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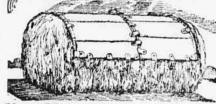
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WhatFarmers AreThinking

You are cordially invited to air your opinions in this column, but the Mail and Breeze reserves the right to condense such statements as far as possible to give other contributors a chance to say something. Short, crisp expressions of opinion on matters of interest or consequence to farm folks are welcome. All contributors must take their turn.

When Dayton's Lid Was Lifted.

Mr. Editor-I enjoy reading your Passing Comment, and more especially so, when you so fully enter into the underlying spirit of the mass of Kansas readers who pride themselves on a clean state, a moral people and a still better tizenship. Your comment on the prohibition question in May 17th issue suits me and 9 out of every 10 in our state and we feel no little pride in being a Kansan and also a reader of Mail and

Mr. Capper told us how it became necessary to close the saloons after the re-cent Dayton disaster. I append a clip-ping from "The Watchword," a young people's paper published in that city, en-titled "When the 'Lid' was Lifted."

titled "When the 'Lid' was Lifted."

Dayton police and militia, Tuesday afternoon and night, rounded up a vast army of drunks who had too well taken advantage of the first day's tilting of the saloon lid. Although no correct count was kept of the arrests, it is declared that more than 300 intoxicated persons were taken in tow, many of whom were released without trial. Automobiles of the soldlers were kept on the jump in gathering up the drunks who were imprisoned at the second and third precinct police stations, county jail. Steele high school. Y. M. C. A. and at Bomberger Park. Of about 125 tried in military court Wednesday morning about half were forced to go to work on the streets.

Twenty-three drink victims faced Judge Budge in police court and all who were unable to pay fines of \$5 and costs were compelled to take up shovels with the street brigade for 16 days without pay.

Fourteen of the 15 district sanitary officers reported Tuesday afternoon to Major Thomas L. Rhouds that on account of intoxication the larger part of their gangs were dismissed or quit work.

So much for whisky. Then in contrast

So much for whisky. Then in contrast note the following from the Epworth Herald:

POOR OLD KANSAS!"

In 87 counties out of 105 counties no in-

sane.

In 54 counties no feeble minued.
In 58 no inebriates.

In 54 counties no technical in 54 counties no inebriates.
In 38 poor houses no paupers.
In more than 50 counties nobody in the

county jail.

In one county no grand jury for 25 years; and in several no criminal case before a jury for 10 years.

A seventh paragraph must be added to explain the mystery of the other six—in 105 counties the liquor business is an outlaw, and the open saloon as rare as snakes in Ireland.

Poor Oid Kansas!

Comment is not necessary as these two cases show the results of two oppo-site systems, "More shot, Captain Bragg.—" Frank A. Chanin R. 4, Winfield, Kan.

New Use for the Debating Society.

Mr. Editor-The Mail and Breeze has requently suggested the revival of the old-fashioned debating clubs, suggesting various ways in which they could be made useful. In Colorado last fall the necessity of these social affairs being turned to a new use, was brought home No doubt other states, having the initiative and referendum, had a similar experience. I do not now recall how many referred and initiated laws we had to pass on, but the list was as long as the moral law and not one particle of enlightment, did the voters have on what to vote for and what against. Here's work for the debating society or an adjunct of it, which might be styled the Legislative Advisory Club. All matters Vilas, Colo.

What Cheaper Money Would Do.

operative movement and the problem of year, the rates averaging 10 per cent. had—40 bushels to the acre, and it sold But with 4 per cent money, which we for 40 cents. It went to Liverpool and ought to have if this problem of farm brought \$1.80 per bushel. Who was to credits is worked out, we can double the blame for that? present output of all kinds of stock as

well as all products. We will do this by using better equipment and by using many other advantages that we do not have. The consumer is interested now as deeply as the producer, for that means greatly reducing the prices of all kinds of products coming from the

The Mail and Breeze probably can do more to mould public opinion than can be done by any other way. I hope Mr. Capper will circulate his message to the people in every issue of his paper and get other newspapers to spread the message. All that is necessary is to educate the public and results will soon follow because results are what the people most desire. Frank L. Wood.

R. 4, Buffalo, Mo.

How the Human Body Co-operates.

Mr. Editor-Everybody knows there is something wrong with our social and in-dustrial system and everybody wants it reformed, except those who profit by its

Now why not admit that God is wiser than we are? He has been creating or-ganic bodies composed of innumerable living cells since time began. Every cell works with its group and group of groups for the whole body. When the material for the sustenance of the body is perfected it is carried to all parts of the body and each cell gets its share according to its need and the work done.

If we are honest and really want to establish natural law—God's law over ourselves-all we have to do is to examine our own bodies and we will find

the following laws:

First-Organization-all the cells are organized into groups to do certain

Second—Common ownership of all of the means of production and distribu-tion. The body owns all its members and organs.

Third—Co-operation—All the members and organs work together for the whole body and not for themselves or any part of the body. Fourth — Distribution — Each cell is

served according to its need—the chil-dren, the old and infirm and the workers, according to the work done.

Do we believe in God? Shall we adopt A. H. Broking. Bokoshe, Okla.

A Montgomery Man's Pirate Story.

Mr. Editor-For more than a year I've been wanting to relate a conversation I heard between two land pirates. A Coffeyvils pirate was trying to get a Mound Valley pirate to tell him where an extra fine team of mules were for

The Coffeyville pirate offered \$10 just to know where the mules were

The Mound Valley pirate declared he could buy them for less than \$400 by waiting and as he never had owned a \$400 team he was going to own this team for a few hours.

Pirate No. 1 insisted if they were the height and weight claimed it was a shame not to give the \$400. He would come in his auto and they would go and buy them.

Pirate No. 2 bought the mules by waiting, for less than \$400. All the pirates in the county work just so.

I listened to this conversation just because I was interested and knew our stock we have for sale always goes through the hands of two or three pirates. Our horses and mules are sold at from \$15 to \$25 less than they are worth. Nearly all the pirates buy with borrowed money and pay 10 per cent in-

Montgomery county, Kansas.

Show Farmers How to Analyze Soil.

Mr. Editor-I was pleased with your pertaining to organized effort might be opinion in regard to how a farmer manconsidered. This is merely a suggestion, ages his farm. Most farmers know how made with the hope that others will take to manage but lack the eash. It takes it up. S. M. Konkel. money to operate a farm properly, Allow money to operate a farm properly, Allow me to suggest another plan: Let us have some of those experts come to our township schoolhouses to show us how to au-Mr. Editor—I was greatly pleased with alyze our soil and tell us what ingred-Mr. Capper's article on the great co-leuts our soil lacks for the production ients our soil lacks for the production of good crops. Then see if we can get marketing farm products on a profitable the right material, at a price we can albasis. We farmers now have to sell our ford to pay, and then fair prices for all brood sows, brood mares and even our crops and stock. You remember tack cows to meet the high interest each in 1884 what a fine crop of wheat we marketing farm products on a profitable the right material, at a price we can af-

Renfrow, Okla. R. Glennie.

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Seattle Silos

are made of the finest firin the land. Many trees grow 200 to 250 feet tall. For our silo staves we use only the choicest. Close and straight grain. Free from sap and knots. Wonderfully durable. Seattle silos have patented swinging doors—quick detachable; no lifting; easily swing in or out; new iron cross-bar or hoop connection; door bars form ladder from which hoops are easily tightened.

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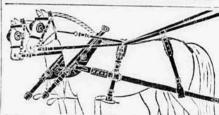
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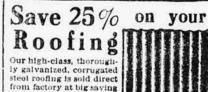
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BEGINNING EARLY WINS IN FIGHT WITH GRASSHOPPERS

NORMOUS numbers of grasshoppers are hatching out in various parts of Kansas. Last fall conditions in the Southwest were unusually favorable for the females to lay their eggs and nobably fully 90 per cent of the eggs passed through the winter uninjured. Unless prompt and vigorous necesures are taken to destroy them, it is probable

the grasshoppers will do more damage to crops this year than

Few grasshoppers will hatch on land farmed to corn, Kafir and other crops which require a stirring of the ground in the spring. Every effort should be made to keep them out of these fields, as well as to destroy the grasshoppers in the alfalfa fields, or those coming in from

adjacent fields. Poisoned bran mash, the hopperdozer, poultry and young hogs are efficient for checking

the ravages of grasshoppers, as proved by tests and opservations made for two years previous to September 1, 1912, by Francis B. Milliken, of the Kanas Experiment station, now with the bureau of entomology, United States department of agriculture.

George A. Dean,

Several preparations of poisoned bran mash have been used. Mr. Milliken recommends the following formula as it contains the quantities and ingredients which are most efficient and can be most convenently handled:

00	nounda
Bran	pounds
Oranges or lemons	14 gallon
Water	//2 6

In preparing the bran mash, mix the bran, Paris In preparing the bran mash, mix the bran, Paris green or white arsenic thoroughly in a wash tub while dry. Squeeze the juice of the oranges or lemons into the water and chop the remaining pulp and the peel to fine bits and add them to the water. Dissolve the sirup in the water and wet the bran and poison with the mixture, stirring it at the same time to desire the mash theroughly. time to dampen the mash thoroughly.

The bait when flavored with oranges or lemons was found to be not only more attractive but was more appetizing and thus was eaten by more of the

SCATTER THE MASH EARLY IN THE MORNING

The damp mash or bait should be sown broadcast in the infested areas early in the morning. The amount of bait made by using the quantities or ingredients given in the formula should cover 4 or 5 acres. As very little of the bran mash is eaten after it becomes dry, scattering it broadcast in the morning and very thinly, places it where the largest

When Enough Are Present to Threaten Crops Use the Hopperdozer or Turn in the Shoats and Chickens

> Written For Farmers Mail and Breeze BY GEORGE A. DEAN Entomologist, Kansas Agricultural College

number of grasshoppers will find it in the shortest number of grasshoppers will find it in the shortest time. Sowing it in this manner also makes it impossible for birds, poultry or livestock to get enough to kill them. On alfalfa fields, in order to get the best results, the bait should be applied after a crop has been removed and before the new crop has started. As the poisoned bait does not act quickly, it will be from two to four days before the grassit will be from two to four days before the grasshoppers are found dead and these will be more numerous in the sheltered places. It does not take much poison to kill them. Even a small portion from one of the poisoned flakes will be sufficient to cause death.

Coal oil has been used in many ways for the destruction of grasshoppers, but is most commonly used in the hopperdozer a device which consists of a long, shallow, galvanized iron pan, mounted on very low runners. The hopperdozer is very effective where it can be drawn over an infested area near the surface of the ground. It is necessary wherever the surface of the ground. It is necessary wherever grasshoppers become destructive. On infested bare areas or fields where it does not injure the crop, grasshopper damage can be quickly checked by its use. It can be used without injury in an alfalfa field for two or three weeks after a crop has been

Any grade of kerosene may be used in the hopperdozer. The first cost of a hopperdozer should not be more than \$8. It should be operated at a cost not to exceed 20 cents an acre.

HOW THE BEST HOPPERDOZER IS MADE.

Mr. Milliken recommends a hopperdozer made

after the following plan:
The pan is made from a wide piece of galvanized sheet iron, 8 feet long, by turning up about 4 inches of the edge all around and soldering partitions across it at intervals of about 2 feet.

The sled is made of inch boards nailed on 2 by 4

runners, with a 3-foot screen made by fastening oil cloth, smooth side forward, on upright pieces at the back. About an inch of water is put in the compartments of the pan, and enough oil added to make a good film over the top.

Horses hitched at either end draw the dozer over the infested ground, and grasshoppers that attempt to jump back over it strike the screen and fall into

the water and oil. Many hop out again, but it is an advantage as they die and save the operator the trouble of removing them later. The dead that accumulate in the pan must be removed from time to time and more oil and water added.

On smooth level ground old wagon tires will make good runners, and let the pan run closer to the sur-face where it will do the most effective work.

WHERE MANY ACRES ARE TO BE GONE OVER.

Where large areas are to be gone over with the dozer, two sleds should be constructed, each long enough to hold two of the pans. Place these sleds end to end with an 8-foot 2 by 4 between the runners of the ends that come together. With half inch bolts fasten the two runners loosely together through the middle 2 by 4 leaving the latter prothrough the middle 2 by 4, leaving the latter projecting behind as far as it may. Run a heavy wire through a hole in the rear end of the 2 by 4 and fasten each of the ends to the outer back corner of each dozer. This gives a machine about 32 feet in length that is flexible in the middle, and may be drawn over rolling land by a team hitched to each end. The hitch should be to the end of a 10-foot 2 by 4, which extends from the middle runner of 2 by 4, which extends from the middle runner of each sled and projects at its outer end. This makes the pull in front of the pans, and it will be almost impossible to upset the machine.

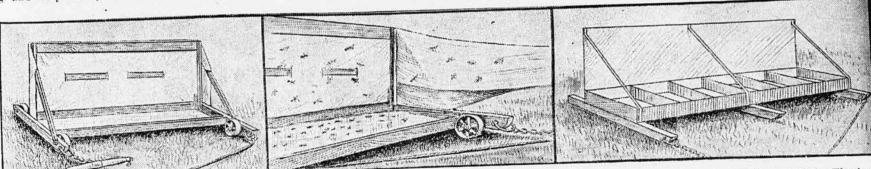
As some of the oil is removed by every grasshopper that gets into it, it will be necessary to add fresh quantities at intervals. In case the oil and water is slopping out, which it will do on rough or uneven ground, burlap or gunny sack cloth should be placed in the pans.

A BUNCH OF SHOATS WILL DO GOOD WORK.

Where barnyard fowls and young hogs can be let run on an infested field, they furnish one of the surest and most effective means of destroying grass-hoppers. Poultry and hogs are fond of the hoppers and pursue them eagerly. Except in gardens, poultry can be used almost anywhere, and if they are placed where they can begin on the young hoppers as soon as they are large enough to attract the attention of the fowls, a small flock will destroy all that can be found in a surprisingly large area, and will keep their numbers down throughout the summer. Hogs can be let to run on alfalfa, weed patches and pasture lands where the grasshoppers are numerous. A bunch of young shoats will protect a considerable area.

To make a successful fight against grasshoppers too much emphasis cannot be laid upon beginning promptly as soon as the insects are present in sufficient numbers to threaten the crops, and continuing the fight vigorously as long as the grasshoppers are present.

(Continued on Page 25.)



Left to right: Plates 1 and 2, Colorado hopperdozer. Plate 3, Kansas hopperdozer, (aescribed above), a pan of sheetiron mounted on a sled. The back may be of the same material, or of oil cloth with smooth side forward. The partitions prevent the water and oil in the pan from slopping over the sides too freely while it is being drawn through the field. An inch of water is placed in the pan and enough coal oil to form a film of oil on top. The frightened hoppers leap into the pan, or, in trying to pass over it, are caught by the smooth screen and slip and fall into the pan where the oil kills them whether they remain there or not. The Colorado hopperdozer has a bottom of No. 24 galvanized from 30 by 96 inches, natled to a frame of 2 by 4's, 24 by 96 inches in size. Three inches of the sheetiron are turned up at each side and nailed to the frame. To prevent leakage a strip of tow candle wicking is nailed beneath the Iron, between two rows of nails. A coat of paint makes the pan water tight. The rack, or sereen, is a sheet of white oil cloth with a smooth strip of timber run through it to prevent a bellying of the screen by the wind. The lower edge of the oil cloth is nailed with strips to the inside of the pan to check slopping. Plate 2, shows one end of a sheet of oil cloth attached to the dozer, the other to one of the tugs of the horse pulling the dozer.

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SPECIAL NOTICE 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.





FOOL Mr. Wood, the head of the woolen CAPITALISTS. trust and principal owner of the Lawrence mills where the great strike raged a few months ago, is on trial

charged with being in a conspiracy to plant dynamite about the town and lay the blame on the strikers. What is more, the testimony so far introduced seems to point pretty strongly toward his

The man who actually planted the dynamite has confessed. He gives the name of the man who paid him to do the work and the testimony shows that Wood paid the man who paid him. The testimony has not shown so far that Wood actually knew how the money was going to be used, but one can hardly help thinking as he reads the testimony that Wood did know.

It seems sometimes that some of the men at the heads of these great corporations have neither conscience nor sense. There would be no valid excuse for the strikers planting this dynamite, but there was a good deal more excuse for their doing it than there was for the managers and owners of the mills.

. 30

THE SUGAR QUESTION.

I am in receipt of a long letter from the Domestic Sugar Producers' association on the proposed removal of

the tariff on sugar. The letter declares that to remove the duty on sugar means the destruction of the sugar industry in this country.

Now that may be. I am not a sugar manufacturer and know nothing about the cost of production of sugar in this country. The argument is based on the assumption however, that to remove the tariff from imported sugar will lower the price of sugar in this country until the mills in the United States cannot afford to produce it.

Now everybody eats sugar rich and noor block

Now everybody eats sugar, rich and poor, black, white, yellow and red. The poor eat a great deal more sugar than the rich because there are so many more of them. The big families are generally among the poor. It seems somehow that the poor rather to children and the rich to dogs.

Where there is one person interested in producing sugar there are a thousand whose only interest is in getting as much sugar as they can for the money.

To say to these thousand that they ought to be

willing to pay from a cent and a half to 2 cents per pound more than is necessary for their sugar in order that a few cane growers and beet sugar raisers and sugar mill owners may make a profit, is not a statement that will be received by these millions of sugar eaters with wild acclaim.

Maybe it is selfish in them to say it, but the irreverent among them are liable to say, "Why the Samuel J. Hill should we be asked to go on indefinitely paying a dollar for 16 pounds of sugar when we might get 25 pounds for a dollar, just in order that a few sugar manufacturers and cane and

beet growers may prosper?"

I know that it is said that after the sugar making business is killed off in this country the sugar importers will proceed to put up the price and then the sugar eaters will have to pay more for their sweetness than they do now. Possibly so. In that case suppose the government takes a hand, as it proposes to do in the case of the armor plate manufacturers, and buys sugar for the people and distributes the same at cost. Methinks that would sort of put a crime in the averetive of the same sort of put a crimp in the narrative of the sugar combine. What the people believe is that if all tariff duties are removed from sugar the consumer in this country will get his just that much cheaper than he does now, therefore they are in favor of taking off the tariff taking off the tariff.

I would rather like to accommodate the gentlemen who are sending me these tearful letters about the destruction that will follow taking the tariff off sugar, but the candid fact is that I have been arguing that the tariff ought to be taken off for a good many years and don't see how I can switch just now.

35 POLITICAL PARTIES A reader at Atlanta, Kan., AND CONSERVATION. requests an opinion on whether or not it is a good

thing to have two political parties of nearly equal political strength, also what the advantages and disadvantages are of conserving our forests and coal

It is not necessarily a good thing to have two political parties of nearly equal strength. It depends altogether on what they stand for. If one party stands for progress, human liberty and equal rights while the other stands for special privilege, the rule of the few, immorality and vice it would certainly be better that the first should lead by a large majority. If, on the other hand there is no large majority. If, on the other hand, there is no great difference between the parties so far as morals and human rights are concerned, the dispute being over some question of economic policy it is perhaps better for the country that they should be nearly equal in strength.

Where one party is so overwhelmingly in the majority that the result of elections is always a foregone conclusion voters are apt to become indifferent.
Then the selfish and often corrupt bosses get control and run things to suit their own selfish purposes without regard to the effect on the general welfare. When that is the case the only way to rid the state of these calfish pulitical the state of these selfish political barnacles is to

defeat the party.
So far as conserving forests and coal deposits is concerned there is no question that they should be conserved. However, conservation, like every other good thing should be conducted with fairness and good sense. For example, there would be no advantage in building a wall around all the forests of the United States and forbidding any citizen to take any timber for any purpose. That would force our citizens to buy lumber abroad and pay an exorbitant price for it.

The mature timber should be cut and used while the young growing timber should be protected. The forests should be kept free from accumulations of dry brush which vastly increases the danger of forest fires. In short, the forests should be treated as a great crop to be harvested as it matures, to be cared for and preserved for the use of future generations.

The coal measures of the country should all have been retained by the government and either operated by the government, state or national, or leased to private individuals in a way that would prevent a monopoly of the fuel supply. The revenues from this natural resource would have been suffi-cient to pay the expenses of running the govern-

cient to pay the expenses of running the government and the door of opportunity would have been open to every man who might wish to engage in a manufacturing enterprise.

To say however, that the coal supply of the United States shall be shut off so far as it can now be shut off would be unjust and senseless. If the government should withdraw from the market all the coal deposits that have not yet gone into the hands of private individuals it would simply help the men who want to monopolize the coal market. In short, conservation, like every other good thing, must be mixed with good sense and fair play if it must be mixed with good sense and fair play if it is to be a benefit to the people.

Some of the farmer readers of the Mail and Breeze have LIMITATION OF heretofore taken exceptions to my editorials in favor of a graduated land tax intended and calculated to limit the amount of land that can be owned either by an individual or a cor-

We have not yet reached the point where the monopoly of land is a serious menace because up to this time there has been a reasonable opportunity open to ambitious and industrious men to acquire land in some part of the country at a reasonable price, but we are in my opinion, about at the end of that opportunity.

Heretofore also on account of lack of co-operation, lack sometimes of transportation, lack of convenient market and lack of proper methods of farming, investments in land have not been as attractive as some other kinds of investments. The surplus wealth of the country has therefore tended to

investment in stocks and bonds of transportation companies or manufacturing enterprises or other enterprises than farming, for the reason that the income was supposed to be more certain and larger and the stocks and bonds could be turned into cash more readily than farm lands.

It must be remembered however that land is the base of all wealth, that it is as essential to human happiness and even existence as either air or water. If it were possible for a few to obtain a monopoly of the land they could compel all the rest of the inhabitants of the world to be their slaves.

both on account of the increasing population of the world and the higher standard of living that comes with advancing civilization, farm lands are certain to become more and more valuable and more desirable property. With scientific cultivation also, each acre will be made to produce more in proportion to the amount of labor used in cultivation and that will operate as a further inducement to capital to invest in land.

It looks now as if we are entering on a period when stocks of corporations will be less desirable when stocks of corporations will be less desirable than they have been for several years past. The result will be, I think, an increasing effort to get title to land. The poor man will find that prices of farm lands are prohibitive so far as he is concerned and the tendency will be more and more to landlordism and tenantry. The lands will be owned by a few and cultivated by tenants who have no title to the lands they cultivate.

Unless human nature radically changes the land-

Unless human nature radically changes the land-Unless human nature radically changes the landlords will exact as large rent as they are able to
obtain which will mean that the tenants will have
to pay to the land owners practically all they can
produce beyond what is necessary to enable them
and their families to live.

Land monopoly has brought misery and want
wherever it has prevailed in other lands and it will

wherever it has prevailed in other lands and it will bring the same condition here. Therefore the monopoly of land ownership in my judgment, must be prevented if the republic shall live.

I might go further and say that I think there

should be a limitation placed on private fortunes whether invested in lands or in stocks and bonds, although it is more essential that land ownership be limited than stocks and bonds because the land is essential to human life and happiness.

The income tax proposed in congress is a step in the right direction, but it ought to go further. I would have a graduated income tax that would make an increased cut in each individual's income until it would reach the point where it would take

Money getting becomes a disease, the desire to monopolize an obsession. It ought to be checked not only for the benefit of the many but also for the benefit of the men who have contracted the disease.

The selfish desire to monopolize the things that are necessary to the well-being of all, the craving for inordinate wealth and power works a wrong first on the masses who are thus prevented from obtaining a fair share of the necessities and comforts of life and in the end always has and always will react on the selfish few.

Here is a statement made nearly 2,000 years ago. If you will open your Bibles and turn to the 5th chapter of St. James you will find this vivid and powerful statement of conditions in his day.

Go to now, ye rich men, weep and howl for your miseries that shall come upon you. Your riches are corrupted, and your garments are motheaten. Your gold and silver is cankered; and the rust of them shall be a witness against you, and shall eat your flesh as it were fire. Ye have heaped treasure together for the last days. Behold, the hire of the laborers who have reaped down your fields, which is of you kept back by fraud, crieth; and the cries of them which have reaped are entered into the ears of the Lord of sabaoth. Ye have lived in pleasure on the earth, and been wanton; ye have nourished your hearts, as in a day of slaughter. Ye have condemmed and killed the just; and he doth not resist you.

SOME QUESTIONS A reader at Iola asks the AND ANSWERS. following questions:

What was the cause and result of the recent war between Italy and Turkey?

Ans. Italy claimed that Turkey had violated its Ans. Italy claimed that Turkey had violated its treaty obligations by refusing to allow Italian post-offices at Constantinople, Salonica, and other places in Turkish territory, also that Turkey had interfered with the Italian coasting trade at Tripoli. Italy first mobilized her fleet to enforce her demands in April, 1908. The Porte seemed to accede to the demands but demands but offerenced failures. to the demands, but afterward failed to keep her contract, or it was so claimed by the Italian government and war resulted. It lasted for about one year. Turkey was defeated. The terms of peace provided for the annexation by Italy of Tripoli and Cyranaica, but the Porte was permitted to retain spiritual dominion over the Mohammedan inhabitants of the territory annexed. No war indemnity

2. What is being done both in the United States and England to promote woman suffrage?

Ans. Within the past year in the United States equal suffrage has been adopted in three states, Kansas, Arizona and Oregon and defeated in three, Ohio, Michigan and Wisconsin. California and Washington were added to the equal suffrage states shortly before that. At the present time there are nine states in which the women have equal political

rights with the men, Kansas, Colorado, Utah, Idaho, rights with the men, Kansas, Colorado, Utah, Idaho, Wyoming, Arizona, Oregon and Washington. A law which would have extended the right of suffrage to between 6 and 7 million women in England was defeated in parliament by a narrow margin. The militant suffragettes in England are still active but it is probable they have done more to retard than to advance the cause of suffrage in England.

3. What is meant by the short ballot?

Ans. There is not entire agreement among the advocates of the short ballot. Therefore it is imadvocates of the short ballot. Therefore it is impossible to answer that question definitely. In a general way it might be said that short ballot advocates want officials who are supposed to represent state or party policy, such as the governor and lieutenant governor, elected, the other officials to be appointed. There is however, a difference of opinion as to what officers should be regarded as a slief executives and to what extent the governor. chief executives and to what extent the governor, for example, should have authority over the other departments of the state government.

4. What have been some of the recent scientific discoveries?

Ans. A number of scientific discoveries have heen made within the past year or two, or rather, perhaps it should be said that a number of discoveries have been recently perfected until they are coming into practical use. For example, color photography, a process by which the natural colors can be represented on the photographic plate. A metalic tography, a process by which the natural colors can be reproduced on the photographic plate. A metalic varn is now made by laying a metal surface on any suitable core. An artificial silk is made from cotton fibre. A new kind of unbreakable glass has been invented in France. Small artificial diamonds are made by exposing illuminating gas to mercury vapor. Oil is extracted from tomato seeds by a new process and used in the manufacture of soan. An process and used in the manufacture of soap. An artificial wood is manufactured from straw in Europe. The hydro-aeroplane which was invented in 1910 has within the past year been brought to a condition where it can be operated with reasonable success, at any rate there is no more danger of the operator being killed than in the ordinary flying machine. To my mind the most wonderful invention of the past year is the talking moving picture.

Mrs. Calvert of Elmdale hands in the following list of questions:

Explain the six power loan and why does not the United States wish to take part in it?

Ans. The new republic of China naturally needs Ans. The new republic of China naturally needs money. It was proposed to form a syndicate of bankers among the six leading commercial nations to furnish a loan of 300 millions. The powers referred to were the United States, Great Britain, Germany, France, Russia and Japan. The objections to the loan were first, that it required China to pay an exorbitant rate of interest; secondly, it was to be made on the condition that the collection of the interest on the loan was to be made under the joint interest on the loan was to be made under the joint supervision of the powers—in other words, they took charge of the revenues of China to the extent of seeing that the bankers who furnished the money got theirs whether the government of China had anything left or not. It amounted in fact to the governments' guaranteeing the collection of their interest to the bankers. President Wilson very properly declined to enter into any such an arrangement on the ground that it was not the business of this government to become a guarantor for loans made by a syndicate of bankers and further that this government did not wish to be a party to the bumiliating conditions imposed on the new Chinese republic. The loan has been made, or will be, but it will be a five rower and not a six power loan. republic. The loan has been made, or will be, but it will be a five power and not a six power loan. It is an outrage but China is in a condition where at least for the present she must get money on the best terms she can.

2. Give an outline of the tariff since 1816.

Ans. It would be utterly impossible within the space at my command to answer that question fully and intelligently even if I had the necessary inforand intelligently even if I had the necessary information and ability to do so. Briefly and generally, however, the tariff of 1816 was a high protective tariff for that day. The tariff of 1828 was a sliding scale tariff, figured out by Henry Clay as a compromise Henry was a high protectionist himself but he compromised on everything he did. The duties in this tariff started moderately high but the conduction of the property was a to year until they approached tapered off from year to year until they approached free trade. The tariff of 1841 was a Whig high protective tariff. The tariff of 1846 was the Walker tariff supposed to be for revenue only. It continued with some few modifications till the Morrill tariff was appeted in 1862. The duties in this were very was enacted in 1862. The duties in this were very high, but they were made so in order to raise large revenues. The government was doing everything possible to raise revenue at that time not because it wanted to protect infant industries but because

After the war the Republican party became more and more a high protective tariff party and while some changes were made from time to time in a general way the high protective theory prevailed until 1894 when the Wilson-Gorman bill was enacted. It has been often spoken of as a tariff-for-revenue-only bill and its author in the house so intended it but by the time the senate got through doing things to it it was a mongrel following in part the theory of tariff for revenue only and in

part the high protective theory.

President Cleveland refused to sign the bill, saying that it was a betrayal of the promises made to

the people and it became a law without his signa-ture. The Dingley bill passed in 1897 was the highest protective law ever put on the statute books up to that time. The Payne-Aldrich bill passed in 1909 while it increased the free list did not reduce the average rates of duty, but on the other hand rather increased them. The people had expected a general reduction of duties and showed their displeasure by changing a Republican majority in the lower house into a strong Democratic majority. What the present congress will do cannot be told until the senate gets through laboring with the Underwood bill.

3. What caused the panics of 1837, 1857, 1873, 1893, 1907?

Ans. It is quite possible that you might put that question to a dozen different historians and get a different answer from each one. The high tariff advocate would say that the panics of 1837, 1857 and 1893 were all caused by tinkering with the tariff and substituting low for high duties while the advocate of low tariff, free trade or tariff for revenue only would tell you that the tariff had little or nothing to do with them. In fact a number of causes contribute to every financial panic. Over speculation is a leading reason for each of them.

The word "panic" is of heathen origin. In the credulous age, the child age of the world, it was believed that a sort of fourth rate god named Pan roamed about the woods. Children were kept at home after dark by the fear that Pan would get them. There was no Pan but the fear existed just them.

them. There was no Pan but the fear existed just the same. So panics result generally from fear of something that the people think is going to happen rather than of what has actually happened.

Men begin to hoard their money, the banks begin to pile up money in their vaults to guard against the run of depositors. Suddenly business is paralyzed because the circulating medium, which is the life blood of commerce is contracted and no longer life blood of commerce, is contracted and no longer flows through the veins and arteries of business. Paralysis of business must follow as certainly as a paralysis of the human frame would follow a sud-den check of the circulation of the blood. Changes in the tariff may have had something to do with these panics but that was not, in my opinion, the leading cause.

LAND HOLDINGS
IN GERMANY.

Editor Mail and Breeze—
Speaking of vast land holdings in Germany you and Mr.
Krumrey are both wrong. In
the western and southern part of Germany the
small farms predominate, but in the part east of the
river Eibe there are many big farms. That part is
the poorest of Germany, poor economically, poor
in education, poor in public life and so on. The
big landlords are standing like a rock against
human progress in Germany.

Conerning the yield, the small farms produce on
two German acres (about three American acres)
enough to feed a cow for 12 months, but on the big
farms it takes three German acres to feed one cow
one year.

one year.
I am a German of only three years in this coun-JOHN FISHER.

try. Marion, Kan

The above looks like a strong argument in favor of the small farm as against the large farm, but Mr. Fisher neglected to say anything about the relative natural fertility of the small farms and the big farms. Difference in natural fertility might account for the wide difference in production.

THE MEN ARE EMOTIONAL, ALSO.

To wait and Breeze—
Your article under the caption "A Foolish Policy"
raises the question in my
mind as to whether women really are more emotional than men. In fact the changed sentiments
of the voters of Michigan, to which you refer
could only be explained as emotionalism since they
were influenced by the reports of actions of women,
a minority at that, of England, when the women
of their own state were the only ones that were
under consideration, and these have shown no
militant tendencies. Is not mob violence due to
emotionalism? And it is principally participated in
by men.

emotionalism? And it is principally participated in by men.

I am not at all persuaded that the majority of English women are favoring the militant policy. Late newspaper reports are to the effect that men of England are also organizing to carry out similar plans for the bringing about of woman suffrage in England. Is it not a fact that wherever Eve takes a bite of the forbidden fruit Adam is near at hand to get his share, too? I believe that a majority of the women as well as of the men are opposed to means employed by these few English women to secure suffrage. Ought we not also to oppose such depredations as those committed by United States troops sent to the Mexican border to protect the people of this country? According to reports they not only destroyed property but frightened women and children in their own homes; and they were men, mind you. Was it emotionalism, or would not a more severe term be appropriate?

I am not trying to prove that men are the emotional sex, but I am trying to tell you that I do not

tionalism, or would not a more severe term be appropriate?

I am not trying to prove that men are the emotional sex, but I am trying to tell you that I do not believe principles or characteristics are sexual, but individual, and that this truth brought to light makes woman suffrage progressive and right.

In one issue of your paper soon after suffrage was granted the women of Kansas, you made some such statement as that you favored woman suffrage not for what women would do for politics, but what politics would do for women. President Wilson brought out an idea in one of his addresses that I think shows what women's votes are good for. It was to the effect that the government had developed too much into a monetary system, which is natural with the masculine mind in full control of politics.

It is possible that Mr. Wilson meant to convey the impression that the Republican party had developed this monetary system but I trace the cause to the primitive thought that it is not good for man to be alone. It is generally conceded that it

is hard for a woman to make a home alone and it is equally hard for a man to make a home alone. The four walls and a bank account provided by the man do not constitute a home. The government is, or should be, a home on a large scale and the people, the sons and daughters, constitute the family. The masculine mind, providing the ways and means, may be termed the father and the feminine thought, directed toward morals and the welfare of beings, the mother idea. These working together for the good of all will constitute a well belanced government.

I have already written too much, but this is just to persuade the men that we women of Kansas are not going to the polls just simply for the pleasure of airing our privileges.

MRS. A. R. CUMMINGS.

Frankfort, Kan.

I entirely agree with Mrs. Cummings that the acts of the suffragettes of England offered no argument against voting to give the women of Michigan the ballot. The fact that a number of men in that state, as I believe, were influenced to vote against woman suffrage by such a reason shows that they were moved by prejudice rather than sound sense, but those men had it in their power to give or refuse the right to the women of Michigan. The conduct of a few misguided women in England should not have influenced their minds, but I think it did just

Just to show such illogical voters as these that there was no real reason for opposing female suf-frage I would have the women of this country let it be known that they do not approve of the militant methods of these few English women.

Give the New Tariff Law a Fair Trial

The Underwood tariff bill, as passed by the house of representatives and apparently sure of passage by the senate, is not without its serious flaws. In some instances its most commendable features overshadowed by inconsistencies so glaring that their retention in the bill seems inexplicable. Many genuine friends of tariff reform fear that the bill owing to these inconsistencies and the "jokers" that inevitably slip in, as well as its free trade tendencies, may not be productive of anything like the good results expected of it.

But considered as a whole, the bill is a commend-able fulfillment of President Wilson's principal preelection promise of substantial downward revision of the tariff. It seems to be a sincere attempt upon the part of the new administration to give the peo-ple what the majority of them asked for at the polls last November, and it is perhaps too much to expect that the first real attempt at tariff revision in the interests of the people as a whole, should be entirely without objectionable features.

There are no doubt many American industries that SHOULD have the protection of a high tariff—but in this list should NOT be included trust-controlled goods, the actual necessities of life.

Until very recently it has always been a question whether the American farmer was actually protected by the tariff. Unlike the manufacturer he needed he has no competition now, or will not have, from the newly developed countries where land or labor is much cheaper than it is here. The farming industry of the United States is in a critical transitory stage at the present time and needs every encouragement of wise, far-seeing statesmanship. It ought not to be made the object of a dubious experiment where so little is to be gained. And it is certainly not a square deal to ask or compel the man who farms to work under free trade while the

American manufacturer is working under protection.

The correct and logical solution of the tariff prob. lem lies in the appointment of a permanent non-partisan Tariff Commission for the scientific study of all matters relating to the tariff and with authority to adjust and revise the schedules in accordance with the results of such scientific study. This body of men should be of such high character as to be above the suspicion that lobby argument, or party affiliation, could influence their deliberations in the

In the house and the senate, Republicans and Progressives alike favor the creation of such a commission-and it is one of the most surprising inconsistencies on the part of many Democrats that they are

opposing this movement.

'President Taft's stand on the tariff during his four years in office and his future conservative intentions in this connection, as indicated during his campaign for re-election, undoubtedly had much to do with his defeat. The people are tired of high prices and high tariff. They want a change—in fact a majority of them DEMANDED it at the last election and President Wilson has clearly demonstrated his willingness to keep faith with the people who placed him in office and really give them what they

For more than 25 years the people have been asking for downward revision of the tariff. The final passage of the Underwood bill will come very near to completely meeting this demand. The new law is entitled to a trial, and it should be full, fair and complete.

Ways=Means=Results

Worked Out by Mail and Breeze Readers

A Question For Hog Men

Saving Time in Working Corn

Mr. Editor-When I cultivate my corn the second time with a two-row disk sled, I set the levers as they should be and work every other row for a couple of acres. Then I set the levers a hole deeper and go back over the uncultivated rows. In going over the latter rows the disks take less earth, which accounts for putting the levers down a notch. By following this plan I save the trouble of resetting the levers at

Hillsboro, Kan. D. H. Dyck.

To Stop the Cribbing Habit

Mr. Editor-Some time ago I noticed the request of a reader for some means of keeping a horse from cribbing or wind sucking. Usually, the cause of this habit is idleness. Try feeding this borse from a swinging trough, suspended to the ceiling by ropes or chains.

Another good remedy is to cover the upper edge of the manger with sheep skin, leaving the woolly side out. This treatment seldom fails.

Grenola, Kan. J. E. Lambert.

Stack Weights Made of Cement

Mr. Editor-To make hogs comfortable in summer I make use of the cow barn. The stalls are slatted up and holes made through the walls of the barn so the hogs may come in from pens to doze, away from the heat and flies. The barn is kept darkenel, even to putting old sacks over the open-ings. In very hot weather I dampen the stalls, and once a week I throw in some fresh soil. A little lime sprinkled about is good to keep lice down and I use a little sulphur in their feed to keep them free from lice. You should see how they enjoy their cool, dark quarters.

Put in His Own Pumping Plant

Mr. Editor—I am sending you two photos of my drouth-resister. So far as I know this is the only pumping irriga-tion plant in Clark county, southwest-ern Kansas. We have room for 590

ern Kansas. We have room for 500 more like it in the Cimarron Valley.

One photo shows the water just leaving a 7-inch pipe. The other shows the main ditch leading from the pump, a No. 5 Guild centrifugal operated by a 12 horsepower Fairbanks kerosene guillers per per statement of the statement gine. The plant lifts 700 gallons per minute, total head 21 feet, at a cost of 10 cents an hour actual running ex-

To install such a plant, first find the highest point on your farm, then find how deep it is to water and, if possible, from readers of the Mail and Breeze how deep it is through the water. We who cut and feed alfalfa to the hogs did this with a common post auger. We who cut and feed alfalfa to the hogs instead of allowing their hogs to run or alfalfa pasture. Would hogs in a Then we drove a pointed piece of pupe fenced lot with shade be likely to do as well on this cut alfalfa and some dug an open well 8 feet in diameter, as well on this cut alfalfa and some down to the water, casing up with luminor alfalfa and had the same allowance of Compass and Cane For Feed

Cowpeas and Cane For Feed

Mr. Editor—Usually, here in Ellsworth county, central Kansas, cowpeas do not grow thriftily enough on upland in average seasons, to make them a fittable area. Last season I sowed anywhere on the larm or entire neighborhood and furnish power centre neighborhood and furnish power entire neighborhood and furnish power of entire neighborhood and furnish power centre neighborhood and furnish power of the angent water. Then we drove a pointed piece of pupe entire neighborhood and furnish power of the story of entire neighborhood and furnish power of the story of entire neighborhood and furnish power of the story of entire neighborhood and furnish power of the story of entire neighborhood and furnish power of the story of entire neighborhood and furnish power of the story of entire neighborhood and furnish power of the story of entire neighborhood and furnish power of the story of entire neighborhood and furnish power of the story of entire neighborhood and furnish power of the story of entire neighborhood and furnish power of the story of the stor

that there is no such thing as exhausting it. Wait until you have seen a big centrifugal work, then you will know something about throwing water. Atter you have decided to put in a plant, you will do well to investigate the former proposition.

I put in a 12 horsepower kerosene portable engine. The kerosene or oil engines are much cheaper to operate than the gasoline, and a portable engine.

Mr. Editor—Every farmer in Kansas

Water leaving a 7-inch pipe from M. L. Dickson's pumping irrigation less than the amount asked for by the plant in Clark county, probably the first of its kind in the Cimarron Valley. silo agents. I interested others and we The pump, and 12 horsepower kerosene engine lifts 700 gallons a minute. Mr. ordered material for four silos, making Dickson, though not an expert, installed the plant himself. Elsewhere on

are unable to exhaust the ordinary weil watered cheaper and more satisfactorily, by hand power, by windmill, by small than by the old ditch system from a gas engine, or even by 2-inch steam jet, stream. With an individual pumping plant

Mr. Editor—I have just finished making 50 stack weights out of cement, for use on grain or alfalfa stacks. With an ordinary 5-inch post auger I dug 50 holes alout 2 feet deep. These were filled and tamped down with a concrete mixture of 4 parts sand to 1 part cement. A piece of iron bent in the form of a horseshoe was pushed down into earb eake to which to tie the cords. When the cement had set the weights were dug out and were ready for use.

Mayfield, Kan. J. B. Wade.

Summer Comfort For Hogs

Mr. Editor—To make hogs comfortable in summer I make miss out of cement, for use on grain or alfalfa stacks. With an ordinary sinch post auger I dug 50 holes are unable in summer I was problems. I think now that the weight the proper sericle. In due to water then put in a steel shoe, coverating on kerosene. No two projects present exactly the pense, when operating on kerosene. No two projects present exactly the pense, when operating on kerosene. No two projects present exactly the pense, when operating on kerosene. Our annual precipitation in Clark in due to water then put in a steel shoe, coveration with solar oil it should be cheaper.

Our annual precipitation in Clark in we project in the pump and other means, letting the a convinced where it is possible to irribute and gravel with gate at all, it will pay well. Except as wall settle of its own weight until the an experiment here in the Cimarron determined by the amount of water you want to lift in a given time.

Summer Comfort For Hogs

Mr. Editor—To make hogs comfortable in summer I make was done.

**Move for the way to do here, is to dig down county is only 20 inches, from 12 to 18 that the convinced where it is possible to irribute and provential many and other means, letting the a unumping proposition, irrigation is not was as follows:

Summer Comfort For Hogs

Mr. Editor—To make hogs comfortable in summer I more actual running exhem operating on kerosene.

**No two projects present exactly the pense, when operating on kerosene.

Our annual precipitation in



Main ditch leading from the pumping plant, show above, on the Clark county farm of M. L. Dickson in the Cimarron Valley, southwestern Kansas. Mr. Dickson, who installed the plant, is standing in the ditch.

Mr. Editor-Every farmer in Kansas needs to find a rotation of crops that is best suited to his needs and conditions of soil. The system I have worked out with land that has been corned continually is to haul manure on it in win-ter, disk it in spring, plow it about May 15 and then put in cowpeas. Rye for lows the cowpeas in the fall and this is left standing to make a crop. The next fall another crop of rye is sown and this is turned under the following spring after furnishing pasture enough to pay for the seed and labor of put-ting it in. Then it is ready for other spring crops.

which has grown wheat year after year, or who lists the same old cornfield back to corn, after growing nothing but corn on it for 25 years, will soon have to give way to the man who goes into the subject a little deeper. It is simply a question of time until the fertility of such land will be so low that it will no

longer pay to crop it.

The curse of this country is wheat. I The curse of this country is wheat. I fail to see where a farmer with 160 acres of land can afford to grow wheat. According to the best authority we have, we are losing money on every bushel of wheat we raise when we take into consideration the cost of production and the value of the ingredients it extracts from the soil. These two items foot up a total of \$1.04% per bushel foot up a total of \$1.04\% per bushel which is considerably more than we get for wheat on the market. And this is saying nothing about having our other

crops destroyed by chinch bugs. Burrton, Kan. Harry L Harry Leclerc.

A Silo Building Experience

Mr. Editor-After deciding to build a silo I found our local lumber dealer could furnish stave material at \$42 per a carload in all.

was as follows:	
Staves, 2,800 feet	\$117.60
Lumber for doors and frames	9.10
Hoop iron, 540 pounds	14.85
Tank lugs	4.29
Hexagon burrs	.72
Guy wires, bolts, etc	3.00
Blacksmithing	8.00
Carpenter's wages	3.00
	_

I dug a pit 4 feet deep and lined it with a 10-inch wall of concrete. This formed the foundation of my silo. When finished I had a silo 14½ by 32 feet, which holds from 100 to 110 tons of silon. age. I fed 37 head of cattle from this silo beginning November 1 last, and when it came time to turn stock on grass May 1, I still had 30 days' feeding left. I never had better feed on the place.

Pomona, Kan. Ed. S. Jennings.

Cement Helped a Leaky Tank

Mr. Editor-I had a leaky galvanized stock tank which we made water tight again by putting in a floor of concrete. I first scraped off all the loose rust, enlarged the holes already there, and mada a few new ones. I mixed up enough concrete, 3 parts sand to 1 part cement, to cover the bottom 4 inches deep. Wire and old iron rods were placed in the concrete as it was laid, and when through the surface was troweled smooth. After letting the concrete set three days the tetring the concrete set. three days the tank was pumped full of water. No leaks have developed and I think our tank will last several years

Winfield, Kan. F. W. Page.

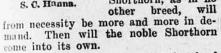
A New Day For the Shorthorn

Modern Conditions to Bring It About

[BY S. C. HANNA, Howard, Kansas.]

Editor's Note.—This is frankly the atspoken prophecy of one who has been his life in the cattle industry, outspoken spent his preferably as a breeder and feeder of shorthorns. Mr. Hanna has made Shorthorn history in Kansas. Therefore shorthorn history in Mansas. Therefore his opinions are interesting and readable whether or not they agree with yours or mine. No one, of course, questions the steady popularity of the Shorthorn.

where the farmer and feeder and not the animal must do S. C. Hanna.



Superiority in size over all other beef breeds is one of the peculiar merits of the Shorthorns. One of the main pur-poses for which purebred herds of beef cattle are maintained is to improve the native environment of any of the im-

excelled all other breeds. Superior size, width of back, depth of rib, fullness of ham, and natural docility, and the power to transmit them in a marked degree. These desirable qualities were all implement to some extent in our all implanted to some extent in our western herds before the other beef breeds were introduced. The Shorthorn has been the pioneer and the great im-

But the farmer as well as the range BEEF production in the natural evo-lution of the business must come more and more under farm conditions, where the farmer and feeder and not He did not then realize, as he does now, the rustling. As population increases milk must play a more and more important part in the economics of beef production. It does not require the gift of prophecy to see that the time is approaching when the invaluable qualities combined in the Shorthorn, as in no other breed, will that what he really needed was an animal that would give the most liberal response in beef and milk to the most liberal treatment, and that the breeder was the one who should do the "rustling" if he was to expect the best results. Tried by the rigid law of "the survival of the fittest" under range conditions, the purebred Texas long-horn was immensely superior to any breed every close observer that the ability to withstand neglect and adverse conditions is to some extent impaired as we increase the size of our livestock. Extreme size, whether in horses, hogs, or cattle, requires better feed and attention to preserve the growth and thrift of the animal in order that it may reach the limit of its development.

The Farmer "Rustles" in England.

There is no material difference in the



FOUR SHORTHORN MATRONS STRONG IN SHORTHORN QUALITY. Left to right: Fair Start, Daughter of Mary Ann, 78th Duchess of Gloster, Sittyton Lady.

size and feeding quality of the common proved breeds of beef cattle. In England the Shorthorns and Herefords are prove the size and feeding quality of the millions of native scrubs so quickly as exactly the same conditions. With the Shorthorn. And while improving same feed and attention, the Angus and feeding quality he will improve the Scotch Shorthorns flourish side by equal degree.

From my earliest experience, when I held a grade Shorthorn heifer calf for my father at a local fair in western Indiana 40 years ago, to the present time, I have been a close observer under of the improved breeds upon the native cattle. I was old enough to observe the rapid improvement of our cattle in western Indiana by the use of registered grade Shorthorns. That improvement continued until we were sending steers of the highest class to the Eastern markets. During the same time I had an opportunity to observe the same process in central Illinois. I cannot but believe that the country would have been millions richer if nothing but Shorthorns had ever been imported.

able circumstances than the Shorthorn, it is either because they are a smaller type of cattle or their breeders have kept the quality of constitution more constantly in view.

The sum of all my observations has been that on our low-grade, unimproved the Shorthorn for radical improvement. The best rangers I ever saw on the Chicago market were high-grade Shorthorns from Montana. The best steers I have a smaller type of cattle or their breeders have kept the quality of constitution more constantly in view.

The sum of all my observations has been that on our low-grade, unimproved the Shorthorn for radical improvement. The best rangers I ever saw on the Chicago market were high-grade Shorthorns had ever been imported. had ever been imported.

The Shorthorn as a Pioneer.

The Herefords and the black polls have not been the pioneers in the grading up not been the pioneers in the grading up of western cattle. We have not been that the Shorthorn possesses over other that the Shorthorn possesses over other breeds in improving the smaller native breeds in improving the smaller native breeds in improving the smaller native of the country. As representatives of two beef breeds, compare the great prize-winning Hereford bull Dale man, however, can doubt that the Shorthorn Young Abbotsburn, however, the same of the important quantities. The Herefords and the black polls have horn made far greater improvement on with the Shorthorn Young Abbotsburn the native Texas and Mexican cattle both champions in their breed and class improved breed. Those qualities in flesh as an egg is with meat, and a which they were most deficient were the model packers' type, weighed at Kansas ones in which the Shorthorn particularly (Continued on Page 8.)

size and feeding quality he will improve the Scotch Shorthorns flourish side by the milking quality of the scrub in an side in their native home, Aberdeenshire, Scotland. In Aberdeenshire one is no better "rustler" than the other. The breeder and farmer does the "rustling" there as he must do here if he secures the best results. If the Hereford, the I have been a close observer under widely different conditions of the effect of the improved breeds upon the native

saw in Great Britain were high-grade Shorthorns from the Orkney islands, and this after passing through Hereford-shire and Aberdeenshire.

than could have been made by any other Dale, with his hide as tightly filled with



The Voice of Reconstruction

When a flood sweeps over a vast area, desolating the cities and towns which lie in its course, the appeal for assistance gets a unanimous response from the whole country.

With all commercial and social order wiped out, an afflicted community is unable to do for itself. It must draw upon the resources of the nation of which it is a part.

In such an emergency, the telephone gives its greatest service when it carries the voice of distress to the outside world, and the voice of the outside world back to those suffering.

At the most critical time, the nearest telephone connected and working in the Bell System affords instant communication with distant places.

And always the Bell System, with its extensive resources and reserve means, is able to restore its service promptly, and in facilitating the work of rebuilding, performs one of its highest civic functions.

AMERICAN TELEPHONE AND TELEGRAPH COMPANY AND ASSOCIATED COMPANIES

Every Bell Telephone is the Center of the System





Plow Right and Protect Your Crops

The coming season may be dry and hot. Better be prepared for drought in case it does come. Better see that no air spaces are left between topsoil and subsoil, whoever does your plowing. For those air spaces cut off the moisture from below and rob you of half your crop.

You'll have no air spaces if you use a Rock Island 'C.T.X.' Universal Plow. It turns each slice clear over, flat and smooth. Buries all trash. Pulverizes dirt—saves one list turns each slice clear over, flat and smooth. Buries all trash. Pulverizes dirt—saves one list turns each slice clear over, flat and smooth. Buries all trash. Pulverizes dirt—saves one list turns each slice clear over, flat and smooth. Buries all trash. Pulverizes dirt—saves one list turns each slice clear over, flat and smooth. Buries all trash. Pulverizes dirt—saves one list turns each slice clear over, flat and smooth. Buries all trash. Pulverizes dirt—saves one list turns each slice clear over, flat and smooth. Buries all trash. Pulverizes dirt—saves one list turns each slice clear over, flat and smooth. Buries all trash. Pulverizes dirt—saves one list turns each slice clear over, flat and smooth. Buries all trash. Pulverizes dirt—saves one list turns each slice clear over, flat and smooth. Buries all trash. Pulverizes dirt—saves one list turns each slice clear over, flat and smooth. Buries all trash. Pulverizes dirt—saves one list turns each slice clear over, flat and smooth. Buries all trash. Pulverizes dirt—saves one list turns each slice clear over, flat and smooth. Buries all trash. Pulverizes dirt—saves one list turns each slice clear over, flat and smooth. Buries all trash. Pulverizes dirt—saves one list turns each slice clear over, flat and smooth. Buries all trash. Pulverizes dirt—saves one list turns each slice clear over, flat and smooth. Buries all trash. Pulverizes dirt—saves one list turns each slice clear over, flat and smooth. Buries all trash. Pulverizes dirt—saves one list turns each slice clear over, flat and smooth slice all trash. Pulverizes dirt—sav

A Genuine UNIVERSAL Plow



A Genuine UNIVERSAL Prow
And the beauty of it is, with this plow you can
plow up any field on your farm. Tame Sod, Heavy
Ulay, Sandy Loam, Mixed Soil, Stubble Fields, Ild
Cornfields, Meadows, etc., all lock alike to the Rock
Island "C.T.X." Universal. Savesbuying a new plow
or bottom for sod.

It's a Universal plow that does perfect work in all
cases and leaves no air spaces. That's why this plow
so quickly became the sensation of the farm world.
That's why you'll wan it the minute you see it.
Send a postal now, and we will tell you where you can
see a "C.T.X." and price it. You can judge yourself
and will realise why it's so much better. Latest Catalog Free

It pictures and describes this most popular plow completely. Simply write these words on post card. I am interested in plows. Then add name and address and mail card to

ROCK ISLAND PLOW CO.

Rock Island (C.T. X.) Universal Plow

ROCK ISLAND, ILL.



BY H. C. HATCH, GRIDLEY, KANSAS.

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

Soil and moisture conditions have inches deeper in the ground it may mean been just right for crops for some time all the difference between a good crop but the weather, generally, has been too cool for good growth. But there is one consolation in Kansas; we never lack for heat enough to make the corn better the season ends.

We never like to be in a hurry to get the season ends. fore the season ends.

Cattle on the pastures are doing well. The cool weather has held back the flies and the cool and moist condition of the soil makes the grass grow. A pound of beef put on by Kansas grass never has been so valuable before. We heard a stock buyer say some time ago that it was going to be hard to get a car load of hogs together after spring's work opened up but the shipments are going out just the same. From one to two cars a week are sent out by the stock buyers of Gridley.

of the ground and is likely to make an effort to start a new set if the young plant is covered too deeply at first. For this reason we like to use the disk cultivator first on listed corn, throwing the dirt away instead of to the corn.

A farmer finds he can do almost any of the ordinary work that is usually hired done in town, if he has to. He stock buyers of Gridley.

were one year ago.

Several years ago it was not thought just the thing to list Kafir but many have changed their minds about this. The writer is one who changed and on this farm the 10 acres planted to Kafir was all listed. Up to four years ago we always thought we had to plant on plowed ground but noting the heavy erops of Kafir grown by a neighbor by listing, we tried listing, too.

Perhaps listed crops of any kind do not start off as well as the top planted and perhaps, should our old time wet seasons come again, there would be less listing done but so long as dry seasons hold listing will continue popular. The test comes some time along in July and August when the corn is made and when every drop of moisture is needed. Then if the roots of plants are down 3 or 4

MEMORY IMPROVED Since Leaving Off Coffee.

Many persons suffer from poor memory who never suspect coffee has any thing to do with it.

The drug—caffeine—in coffee, acts injuriously on the nerves and heart, causing imperfect circulation, too much blood in the brain at one time, too little in another part. This often causes a in another part. This often causes a dullness which makes a good memory,

nearly impossible.
"I am nearly 70 years old and did not know that coffee was the cause of the stomach and heart trouble I suffered from for many years, until about four years ago," writes a Kans. woman.

"A kind neighbor induced me to quit coffee and try Postum. I had been suffering severely and was greatly reduced in flesh. After using Postum a little while I found myself improving. My heart beats became regular and now I seldom ever notice any symptoms of my old stomach trouble at all. My nerves are steady and my memory de-cidedly better than while I was using coffee. "I like the taste of Postum fully as

well as coffee."

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

Postum comes in two forms. Regular (must be boiled).

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

most persons.

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

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

"There's a Reason" for Postum.

the corn get a good start first and have the roots get a permanent start before filling in around them with dirt. Corn likes to have its roots close to the top of the ground and is likely to make an effort to start a new set if the young plant is covered too deeply at first. For this reason we like to use the disk cul-

There always are more hogs in a locality than most people think. Not the two-legged kind, of course, but the kind that bring close to 8 cents a pound at the present writing. From present indications there will be no more hogs in this part of the state than there were one year ago.

We cannot remember ever having read of so many accidents to small children working in the fields as this spring. A combination of a dangerous tool like the disk harrow or the stalk cutter, together with a lively team, should never be given over to a small boy to take to be given over to a small boy to take to the field. And it is tough on the little fellows to have to make a hand in the field when they should be fishing or having a general good time at some-thing else. It is our notion a boy can be made so heartily sick of hard work when he is a boy that he never feels like taking hold of anything which looks like work when he gets older.

a hot day when a job of smutty wheat was being threshed? And that was a job the boys were always given, together with that of cutting bands when the butts of the grain were filled with sand ourrs or Russian thistles. The American farm boy certainly does more than his share of the work of the world.

Many of the farmers of this part of the country carry some form of life in-surance. Probably nine-tenths of them are members of a fraternal company and carry their insurance in that form. There is more or less discussion as to winning which is better and cheaper, the old line animal. form of insurance or the fraternal kind, but the fact remains if there were no fraternal companies there would be few tarmers carrying life insurance. For this reason we are always glad to see the fraternal companies prosperous.

The other day a man died in this county who had for 30 years been a member of one of the older fraternal companies. In the 30 years he had paid in \$865. His widow received \$2,000 from the order at his death. Now there are some who may say that had he saved his premiums as the years went by, put them in the bank and compounded the interest, his family would have received nore than \$2,000. Perhaps they would; but isn't it likely that the premiums, so small by themselves, would have been spent and no thought taken as to where they went? When a man carries good life insurance it is as if he had that much money in the bank, so far as providing for his family is concerned.

Speaking of the cost of marketing farm products, which we hear so much of nowadays, the blame does not always lie at the door of the transportation companies. Last fall, for instance, we bought some rutabagas, or Swedish turmosture for the garden crops.

mips, as some call them. We like them very much but cannot grow them successfully as the climate here right. 'An enterprising grocer in Burlington sent to Michigan and got a lot of such vegetables and we bought of him 2 bushels of these rutabagas, paying him 2 cents per pound, a very sonable price when you consider they had to be shipped in small lots. Now we have a number of relatives living near Chicago and one of them had 10 acres of the finest rutabagas you ever saw which he had raised to feed to sheep. Right in his market town the grocers were advertising these turnips grocers were advertising these turnips and pricing them at $2\frac{1}{2}$ cents a pound. In the neighborhood where they grew, the people had to pay more for them than we did who lived 600 miles from a rutabaga patch! Now what do you think of that?

We have turned the hogs on the rape pasture sown on April 8. After it was sown it was very dry for three weeks and not half of the rape came up then. Following the rain of May 3 more of the rape appeared but there is not a very heavy stand yet. The weather since the first of May has been right for rape—moist and cool—and it has made enough growth so the hogs can get plenty to eat from it. Though the rape is thin, we rather have it that way than too thick; nearly everybody makes the mistake of sowing rape too thickly and it does not grow up tall and thrifty as it should. Three pounds of seed an acre is a great plenty if the ground is in any sort of condition. Farmers are beginning to find that a good rape pasture for hogs is equal to clover and it is quickly, easily and cheaply secured. No use keeping the hogs in a dry pen if you have a patch of ground that you want made richer, because, while rape does best on the richest ground, it will furnish lots of pasture on our ordinary upland soil which produces 25 bushels of corn per

A New Day for the Shorthorn

(Continued from Page 7.)

City 2,160 pounds. Young Abbotsburn's weight at the World's Fair was over 2,800 pounds.
But it is as a beef breed, with devel-

oped and latent milking qualities that the Shorthorn is incomparable. The rep-resentatives of no other beef breed have And speaking of working the boys, the Shorthorn is incomparable. The repcan't you remember when you were a resentatives of no other beef breed have boy that you were always given the made such records. Great Britain and meanest jobs to do? There was the this country are full of Shorthorn dairy straw pile, for instance. Was there ever a meaner job on the farm than to Wisconsin Agricultural college, gives a stand at the end of a straw carrier on summary of achievements of Shorthorn a hot day when a job of smutty wheat dairy cows in Wisconsin and Iowa, in dairy cows in Wisconsin and Iowa, in which they compare most favorably with the best of the exclusively dairy breeds. We have seen a Shorthorn cow a prize winner in the great dairy tests at the World's Fair in competition with the best of the dairy breeds. We have recently seen a Shorthorn cow a prize winner in competition with the best dairy breeds in Great Britain, and within a year winning in her class among the best exhibits of beef cattle at the great Royal Show. No other breed of cattle has ever been able to combine prize-winning beef and dairy form in the same

All Five For \$1.25

The Mail and Breeze is enabled to make the biggest clubbing offer it has ever had, and for only \$1.25 will send all five of the following papers for one year each:

THE MAIL AND BREEZE of which nothing need be told our own subscribers or those reading this copy of the paper. It speaks for itself.

THE HOUSEHOLD, a large family magazine, containing the choicest stories and departments of particular interest to lady readers.

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POULTRY CULTURE, a "chicken magazine" full of practical, pertinent, timely and terse talk about the scientific money-making side of poultry raising. Edited by Reese V. Hicks, considered America's greatest poultry expert.

THE MISSOURI VALLEY FARMER a

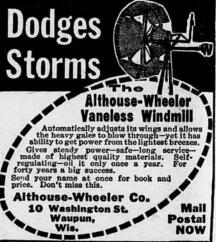
try expert.

THE MISSOURI VALLEY FARMER, a big monthly farm and agricultural paper which should be read by every farmer. No liquor advertising is printed in any of these papers.

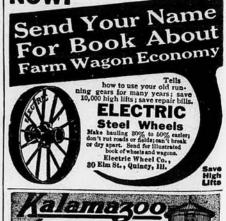
Remember, all five of these big papers will be sent to one address or to five different addresses if so desired for only \$1.25. If you are a subscriber to any one of these papers your time will be advanced another year. You will be supplied with the best class of reading matter for a full year. Don't fail to mention the names of these papers in sending in your order. Send your order to the MAIL AND BREEZE, TOPEKA, KANSAS.

The more weeds there are the less













Harvesters Will Be Needed

Better Make Provision Now For Help

O'Brien, state commissioner of labor, Topeka, tell him the number of men you think you will need and about the date they will be needed and he will get help for you. His services are free. Wages this year will range from \$2 to \$3.50 a day and board, he says. "There will be work for every available man unless something happens in the next few weeks to upset present prospects," said Commissioner O'Brien last week. "The state free employment bureau placed 20,00 men last year. We expect to need more than that number this year."

IF YOU are going to need help during prediction is, of course, subject to harvest, write immediately to W. L. weather conditions between now and that date. The full harvest rush in Kanthart and the commissioner of labor, Tothat date. The full harvest rush in Kansas is not expected until about June 25. The general tone of the reports indicates the wheat crop has deteriorated in the last two weeks but not to the extent given in the published reports. The crop has not gone back far enough to affect the need of harvest hands, is the opinion of the comprissioner.

Men who wish work in the harvest field may obtain a harvest schedule by writing to the commissioner. The schedule gives the dates when harvest will begin in the various counties, points where the greatest number of men will Reports received by the bureau, indicate wheat harvest in southern Kansas also the names and addresses of farmers will begin on or about June 15. This who are in need of men.

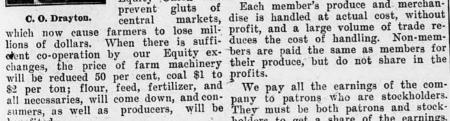
Equity Plan of Co-operation BY C. O. DRAYTON, National President.

[Written for Farmers Mail and Breeze.]

is being worked out holders according to patronage.
in 10 states by the Patronage Wakes the Form

When strongly Equity Union will be powerful and beneficent.

prevent gluts of Each member's produce an



Local unions are organized at the best shipping points. When we have 100 or more members at one place, we start an Equity exchange with 100 stockholders and a capital of \$10,000. We work continually for more stockholders and more capital. The stockholders control this capital and run their own business.

this capital and run their own business. The National Union is organized without capital. It is an organizing force, which carries on a continual campaign of education, absolutely necessary to the success of this movement for economic freedom.

A Limit of Four Shares.

The shares in our exchanges are \$25 The shares in our exchanges are each. The limit is four shares. The manager is bonded by a reliable bonding company. His books are carefully and selling. It will operate in buying and selling. It will operate in buying and selling. It will need to work this audited every quarter and oftener if take time and patience to work this out. We leave our exchanges free, as neapolis gives each exchange a set of books, and continual direction and assistance in buying grain. We work for honest, efficient management.

Each management is required to buy and formula to buy a controlling interest in a coal mine for our

assessments here.

Out of the gross earnings are taken of our plan of co-operation. expenses, national dues, and 5 per cent

dividends on the stock subscribed. Never I THINK so much of the Equity Union allow more than 5 per cent dividends plan of Golden Rule co-operation, on the stock subscribed. All over this that I want to proclaim it from the house tops. This high standard of busithe business furnished by the stockness co-operation holders, and is prorated back to stockisheld believed to be according to patroneous.

young giant, Equity Union. A lively campaign of education is being carried on at 100 good markets, and Equity exchanges established.

When strongly ratronage Makes the Earnings.

Every patron who is a stockholder gets back all that he earns by his patronage on the earnings of the company, as patronage makes the earnings. This plan is just. A small per cent paid for capital, and as large an amount as possible paid back each year for patronage, will bind farmers together in a union that will

Each member's produce and merchan-

We pay all the earnings of the com-pany to patrons who are stockholders. They must be both patrons and stock-

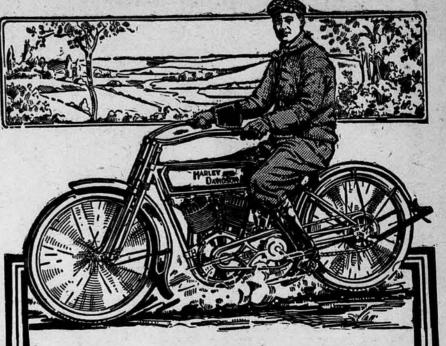
The central idea in this plan is the union of a large per cent of our farmers. The entrance fee is \$3. Each member has one vote and only one. To all members who have less than 4 shares, we prorate in shares for their patronage until their hour 4 plants the limit age until they have 4 shares, the limit. We will finally have 200 good farmers united in each exchange, with a financial standing of \$20,000 in the business world, and if this is not sufficient capital, the limit of shares can be changed to 5 or 6.

Exchanges Buy and Sell.

honest, efficient management.

Each manager is required to buy and sell on a safe margin. All profits are prorated to stockholders according to their patronage. A large volume of trade from 200 or 300 farmers reduces become a golden rule co-operator, and the seast of handling and insures the your success as a farmer is assured. the cost of handling and insures the your success as a farmer is assured. Send 10 2-cent stamps for the Equity assessments here.

Greenville, Ill.



Why the Motorcycle Keeps Boys on the Farm

DON'T expect your boy to be happy on the farm if the summer season brings only work. When the day's work is over don't tell him the horses are too tired for road work, because it is this tying to the farm, this inability to join his chums in their pastimes or to seek his own pleasures that often makes farm life distasteful to him. Get him a

Arley-Dayidson

It will let down the bars and take him where he wishes in a fraction of the time he would use by team. It will open up a thousand and one pleasures heretofore denied him. You will find he will return at bed time, happy, contented and satisfied with his lot in life. But when you buy him a motorcycle, be sure that you obtain one that is economical, reliable and durable. Buy him a Harley-Davidson, because

It is the Most Economical

The Harley-Davidson holds the world's official record for economy.

It is the Most Reliable

The Harley-Davidson is the only machine which has ever been awarded a diamond medal and a thousand plus five score in an endurance contest. The plus five was for its super-excellent performance. These awards were made by the National Federation of American Motorcyclists.

It is the Most Durable

The first Harley-Davidson made, over eleven years ago, has covered now over one hundred thousand miles and is still giving satisfation and today retains even its original bearings.

Seven departments of the U. S. Government use a total of nearly 4000 of these machines.

Over 3900 R. F. D. Carriers daily cover their routes on a Harley-Davidson, a fitting tribute to the reliability of this machine.

Call on our nearest dealer for demonstration or write for catalog.

Harley-Davidson Motor Company PRODUCERS OF HIGH GRADE MOTORCYCLES FOR OVER ELEVEN YEARS

MILWAUKEE, WISCONSIN

The CLIPPER There are three things that destroy your lawns—Dandelions, Buck Plantain, and Crab Grass. In one season the



What About Loans to Farmers?

A good many Mail and Breeze readers think they are not getting a square deal when it comes to borrowing money. We would like to get at the bedrock facts. What has been your experience? Please tell us what security was offered and what rate charged. If you can, tell us what rate business men pay in your locality. Are interest rates higher than they were? How much interest could a farm buyer pay and stand a chance of getting out of debt in years to come? Would cheaper money have a tendency to further advance the price of land? The Mail and Breeze would like to have any light on these questions you can give it and will appreciate a letter.



Seven years in use, Proved and Perfect. Makes best Sliage—(Wis-consin Experiment Station Test). Permanently Proof against Crack-ing, Shrinking and Blowing Down.

Five Year Guarantee

And Paid-Up insurence Against Cyclones, Windstorms and Tornadoes.

Air Tight and Water Tight, Weather, Wind, Fire, Lightning and Vermin Proof. No Guys nor Cables; No Hoops to Tighten. No Worry, Care or Annoyance of any kind.

Big NEW BOOK! "Turning Cornstalks Into Cash", FREE. Witten by Farmers. Full of Dollars and Cents Information. Send for it today. Address: PERFECTION METAL SILO CO. 205 Mulvane Bldg. Topeka, Kas.

SAVE YOUR HOGS

Make your hogs immune from cholera. Wipe out all chances ease. The safety of your entire drove may depend upon their proper vaccination, for there is no telling when cholera may hit your section. Be prepared in time by using

Eagle Hog Cholera Serum

It is the last word in serum production and is a positive insurance against cholera. Eagle Serum is prepared by skilled veterinarians in one of the largest and most sanitary serum laboratories in the world. Is secured from only carefully selected U. S. inspected immune hogs. Guaranteed of highest potency and purity. Write today for full information.

Eagle Serum Co. 308 Central Ave. KANSAS CITY, KAN.

THICK, SWOLLEN GLANDS that make a horse Wheeze, Roar, have Thick Wind or Choke-down, can be



also any Bunch or Swelling. No blister, no hair gone, and horse kept at work. Concentrated—only a few drops required at an

centrated—only a few drops required at an application. \$2 per bottle delivered.

Book 3 K free.

ABSORBINE, JR., antiseptic liniment for mankind, reduces Cysts, Wens, Painful, Knotted Varicose Veins, Ulcers. \$1 and \$2 a bottle at dealers or delivered. Book "Evidence" free.

E. F. YOUNG. P. D. F.. 209 Temple St., Springfield. Massa.

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Wonderful improvements of 1913
"Ohio" eclipse anything ever before produced. One lever controls all movements — reverses by wood friction at Imper pressure. Self-feeder—with famous Bull Dog grip. Patented Direct Drive Shear cut—non-explosive, non-clogging. Enormous tonnage on half inch cut—50 to 250 tons a day—6 to 15 h. p. 20-year durability. "Ohio-cut" silage famous—cuts all crops. Used by Experiment Stations everywhere. Guaranteed, Many big new features this year.

Wite for free catalogue, also send 10c for 264-page book, "Modern Silage Methods."

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Special Proposition To Silo Buyers.

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22-Cal. HUNTING RIFLE GIVEN

ing, SPENCER, INDIANA



Conducted for Farmers Mail and Breeze BY DR. F. S. SCHOENLEBER, Professor of Veterinary Science Kansas Agricultural College.

Our readers are invited to consult Dr. Schoenleber in an advisory way in case of trouble with livestock. Be sure to state the history of the case, location of the disease and the conditions under which animal has been kept. If a horse state weight. Also write across the top of your letter to be snswered in Farmers Mail and Breeze and always sign name in full. Unsigned inquiries will not be answered. Answers will be published in turn.

Ailing Pigs.

Can you tell me what to do for some 3-months-old pigs that are down in their backs? They eat heartily and seem to grow but drag their hindparts about. They average about 60 pounds and it seems the best of them are affected.—B. B. A., Crawford county, Kansas.

As a rule, the treatment of paralysis in pigs is very unsatisfactory. Give each of the pigs about 10 grains of powdered nux vomica daily in a little milk.

Sterile Sow.

I have a registered Poland China sow that won't breed. I bought her when heavy with pig and in shipping her she lost her pigs. This was about seven months ago.—J. L. E., Kiowa county, Kansas.

You might try giving the animal a uterine injection of a 2 per cent solution

Chronic Sores.

A small sore appeared just above the fetlock of one of my horses about four months ago. I have been treating it for 30 days but it is now about 3 inches around and forms small scabs. His neck has now started to swell up in large lumps. What is your advice?—C. L. C., Neosho county, Kansas.

You should clean up the sores there.

You should clean up the sores thoroughly, trimming the hair very thorough. ly in their immediate vicinity. After-ward apply once a week with a piece of cotton, a 20 per cent solution of formaldehyde.

Partial Paralysis.

One of my sows had her first litter of pigs last October but lost the use of her hindquarters and was down for about a month. She is able to get around now but still wabbles when she walks. Her front quarters take on fat but her hindquarters will not. What can be done for her?—E. T. H., Payne county, Oklahoma.

The treatment of your sow will probably not be very satisfactory as the con-

bly not be very satisfactory as the condition has existed too long. You should try administering 20 grains of powdered nux vomica in the feed daily.

Tuberculosis Test.

Will you please tell me how to test cows for tuberculosis?—W. F. S., Pottawatomic county, Oklahoma.

Testing cattle for tuberculosis is a very particular proceedure and unless one is thoroughly versed in the technique ington, D. C., for a bulletin on tuberculosis and tuberculin testing.

Eye Infection.

A white scum has formed over the eyes of my young colt and he can now see but little. It started when he was 2 weeks old. He was all right until then. His eyes run a little. Can anything be done for this?—W. C. D., Greenwood county, Kansas.

Wash the colt's eye with a 2 per cent solution of boric acid twice daily. If the dark place and the eyes washed out two eye ceases to discharge, blow into the or three times daily with a 2 per cent eye about as much calomel as you can hold on the point of a knife. This should be done not oftener than twice a week, and probably will clear up the eye.

Worms In Lungs.

Worms In Lungs.

My hogs are dying every day and I don't seem to be able to stop it. They first took sick in the winter. They begin with a cough, the eyes swell shut and cause them to go blind with the swelling and corruption. Their breath is short as though they were in pain or choking. Their ears, hoofs and noses turn a deep purple. They get constipated but in the last stages seem to have diarrhea. They struggle for several days before they die, froth at the mouth. Have about concluded that worms are at the bottom of the trouble as one of the pigs coughed up one while feeding the other day. Your advice would be appreciated.—J. F. W., Mayes county, Oklahoma.

From the description of the symptoms

From the description of the symptoms it seems that your pigs may be affected verminous pneumonia. This is

that you put all of them into a closed place and burn some sulphur compelling them to breathe the fumes. You should be careful in this as it is very easy to give them too much. At the same time all of the healthy animals should be placed in pens that have not had any hogs in them for some time. There should be no drainage from the pens containing diseased hogs into those in which you put your healthy ones. It would also be a good plan to give the healthy and diseased ones about ½ ounce of nowdered sulphate of iron diseased. of powdered sulphate of iron dissolved in the swill for each 100 pounds of weight.

Navel Swelling.

I have a 3-year-old Jersey cow that has a puff around her navet. It reaches up into her udder. Her calf is a month old and this puff appeared a week before the calf was born. It disappeared for a while but is coming back. What is this trouble?

—W. F., Keokuk county, Iowa.

I would suggest that you give your cow plenty of exercise and administer internally I heaping tablespoonful of saltpetre three times daily. In addition you should apply externally to the swelling a mixture of equal parts of spirits of camphor and tincture of iodine. This should be applied with friction once per

Bladder Ailment.

I have a horse 7 years old that is bothered with urine dropping from him, especially when he is worked. He is all right otherwise.—A. E. B., Doniphan county, Kansas.

Your horse is affected with one of two things, first there may be an obstruction of bicarbonate of soda daily for about of the passage of urine which causes the two weeks before the animal is bred. animal to attempt to relieve itself by Usually, treatment of sterile sows is un-profitable. constant dribbling; or, second, there may be a paralysis of the bladder with a consequent inability to hold the urine. Have a graduate veterinarian make an examination, as the treatment for the first condition is surgical in character, while for the second, tonics, such as 1 dram of powdered nux vomica in the feed twice daily, are of value.

Treatment For Lice.

I have a mare that has been rubbing herself until the hair has started to come off her neck. Her colt of last spring is now doing the same thing.—L. J., McPherson county, Kansas.

county, Kansas,
I have a mare that is infested all over
with small lice. They first appeared on top
of her head then spread all over her. She
is in poor condition. What is your advice?

—E. K., Stafford county, Kansas.

You will find a very good method of treating horses for lice is to mix 2 tablespoonsful of ordinary dip in a gallon of water and apply this very liberally to the entire body, being sure to rub it thoroughly into the mane and tail. After leaving it on for about one-half hour, rinse the body off thoroughly with water, drying the animals and the leaving the animals and the leaving the same and the leaving the leaving the le drying the animals and blanketing them afterwards if it is at all chilly.

Lump Jaw; Pink Eye.

(1) What kind of treatment would you adise for lump jaw? One of my cows has it. is very hard and large.
(2) Also please tell me how to cure pink ye.—S. H., Wabaunsee county, Kansas.

(1) The treatment of lumpy jaw, a layman cannot carry it out. Write to other than surgical, consists in the daily the Bureau of Animal Industry, Wash- administration of 2 drams of iodide of administration of 2 drams of iodide of potash mixed with water and given as a drench. This produces favorable results in 75 per cent of the cases. It should be kept up for a month or longer.

(2) Pink eye in cattle is a contagious

disease, mild in character. The treatment consists in giving the animal internally, daily one-half dose of salts until a free movement of the bowels is obtained. In addition the animal should be kept in a solution of boric acid.

Tumor or Fistula.

One of r One of my colts coming 2 years old has an opening on the edge of the left ear about 1½ inches from the base, from which a colorless, odorless discharge has been flowing for more than a year. What will cure this?—P. H. K., Johnson county, Kansas. sas.

The sore in the colt's ear may be one of two things. First it may be a fistula of the ear, which should be cut open and thoroughly scraped out, afterwards treating with an antiseptic wash once daily. Secondly, it may be a tumor developing at the base of the ear as we from the control of the location tumors. frequently find in this location, tumors containing teeth and hair. If that is the trouble there is likely to be a swelling at the seat of the trouble and you would have to get a graduate veterinarcaused by a worm getting into the lungs. ian to cut it out for you. I am inclined The treatment of the sick ones is not to believe that the first of these two very successful, but I would suggest conditions, is the trouble with your colt.

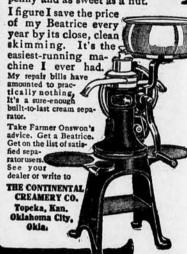


Let me tell you one sure thing: The Beatrice is the only standard separator on the market that you can buyatafair-play price. A square deal—that's what you get when you buy a

BEATRICE Cream Separator

Most dealers ask \$100 up for a high-grade separator. I paid \$75 for my Beatrice. I don't think I ever had so much cream separator satisfaction.

Why, 1 can clean the bowl and discs in less than 2 minutes, with the patented device furnished free with the separator. They come out as clean and as spotless as a new penny and as sweet as a nut.



Save \$35 6 5

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

New Galloway Sanitary you pay just one small profit above actual cost of materials and labor. Why pay any dealer \$85 to \$110 for an inferior ma-chine. Buy direct and save one-half. Get my Special 1913 Offer and

90 Days FREE TRIAL

at of this machine right on your farm. To new Galloway Sanitary skims to a trace, gears

where the second of WM. GALLOWAY COMPANY 4
43 Galloway Station, Waterloo, Ia.







Let us tell you more about it, and the saving it means in harvest. Write us now for circular showing the Sunflower record.

Sunflower Mig. Co., 919 Fremont, Manhattan, Kan



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

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

Fine salt for the butter always.

Slow speed in the separator is the cause of much poor skimming.

to have more than that amount.

Beware of the agent who sells a preparation which, he claims, will prevent milk from souring when used to rinse cans.

of water would hold approximately 1,038 pounds of skimmilk and 1,032 pounds of whole milk.

A good way to strain milk is to put several thicknesses of cheese cloth over the can and hold the cloths in place farm for Washington county, the principal crops should be corn. Kafir, or with clothes pins.

A good fly deterrant is made of 1 clover for hay.

gallon fish oil, 1 pint kerosene, and 4 tablespoonsful of crude carbolic acid. land in that section should produce 10 Mix well and apply with a cloth, or tons of silage and 3 tons of alfalfa an spray all parts but the udder, just afacre. These yields can be increased 50 ter milking. About once a week will to 100 per cent within a few years by a good system of farming where every

Kansas World Champion Heifer

SHE IS AN AYRSHIRE.

Kansas is the home of the champion Ayrshire heifer in the 3-year-old class. She is a little cow "Elizabeth of Juneau", owned by Kansas Agricultural college. On May 8 she finished a year's record in milk production that leads all former records for 3-year-old Ayrshires by a good margin. Her year's work shows 15,218.1 pounds of year's work shows 15,218.1 pounds of year's testing 3.52 per cent fat. This built safely of concrete. old Ayrshires by a good margin. Her year's work shows 15,218.1 pounds of milk testing 3.52 per cent fat. This means 535.84 pounds of butter fat which is equivalent to 626 pounds of butter. Her record by months follows: Guernsey, Holstein and

	Pounds
	Pounds butter
	milk. fat.
May 9-31	1,073.3 39.82
May 9-01	A FR 7E
June	4 000 0 45 04
July	40 70
August	1 00E 0 AT ER
September	- 004 0 AF 07
October	1 001 7 41 00
November	
December	
January	
February	
March	0000 00 10
April	
May 1-8	. 223.4 9.34
many is a second conversable of	

ing milked and fed by students at the milk is a little richer in butter fat. college and receiving the general herd

ration. This consisted of 4 parts corn, 2 parts bran, and 1 part oilmeal, as the grain ration. For roughage she had all the silage and alfalfa hay she cared to eat. This spring she has had access to bluegrass and alfalfa pasture.

Elizabeth of Juneau is the first Kansas enimal of a dairy breed which has

sas animal of a dairy breed which has ever held a world's record. Her work speaks well for the dairy department at Manhattan and for Prof. O. E. Reed in particular. This Ayrshire is the third cow of the college herd within the last few months to make a record big enough to attract wide attention. This sort of thing helps the dairy industry of the state and advertises Kansas as a coming dairy state.

Dairy Farming on 15 Acres

BY A. S. NEALE, Kansas Agricultural College.

It is not a good plan to mix warm silo support? Would it be possible to feed them the year around and how large a silo would it require? I want to use grade cows of a good milking strain. Which breed would you advise me to get?—R. E. H., to have more than that amount.

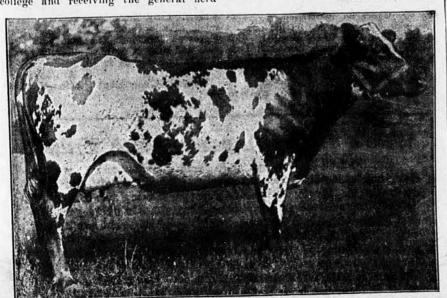
The number of cows 15 acres will support depends on the crop-producing pow er of the land, the system followed, the climate and the man. Some years ago a man in Pennsylvania produced enough silage and hay on a 15-acre farm to feed A vessel that could hold 1,000 pounds f water would hold approximately 0.38 pounds of skimmilk and 1,032 ounds of whole milk.

A good way to strain milk is to put a planning a system for a 15-acre.

Sweet sorghum, for silage, and alfalfa or

a good system of farming where every-thing is fed to livestock and the manure carefully saved and returned to the land. By planting half of the land to silage crops and half to alfalfa, with such yields, enough silage and hay will be produced to feed 10 cows one year. In addition it will be necessary to feed

The breed of cows to buy is not material, if it is a dairy breed. Jersey, Guernsey, Holstein and Ayrshire are the leading dairy breeds, and there is more difference among individuals of a breed than between the breeds. The Jersey, produces a comparatively small amount of milk but it is rich in butter fat. The Guernsey is a larger cow, produces more milk, but usually it is not so rich in fat as that of the Jersey. The Holstein, the largest dairy cow, gives the most milk, but the butterfat content is much lower than that of either the Manhattan, Kan.



Elizabeth of Juneau, the Kansas Ayrshire helfer that holds a world's record by producing 15,218 pounds of milk in one year. This is an average of approximately 5 gallons for every day in the year.

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Be Your Own

We cannot believe that there is a sensible man living who would purchase any other than a DE LAVAL Cream Separator for his own use if he would but SEE and TRY an improved DE LAVAL machine before buying.

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The new 72-page De Laval Dairy Hand Book, in which important dairy questions are ably discussed by the best authorities, is a book that every cow owner should have. Mailed free upon request if you mention this paper. New 1913 De Laval catalog also mailed upon request. Write to nearest office.

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And the best Winter oil, because it flows freely at zero.

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

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The satisfying beverage—in field or forest; at home or in town. As pure and wholesome as it is temptingly good.

Delicious—Refreshing Thirst-Quenching

> Demand the Genuine-Refuse substitutes.

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At **Fountains** ated in Bottles.

THE COCA-COLA COMPANY, ATLANTA, GA.

for a Name for this Pony will give \$25.00 FREE for the best name for

this beautiful prize Shetland pony. Send the best name you can think of right away, for not only do you have a good chance to win the \$25 prize but You Can Win the Pony, Too

for I am going to give him to some boy or girl who will do a little easy work for me. I have just given "Dandy," another beautiful pony, and now I am going to give away this pony. But first I want a name for him.

1500 VOTES FREE

Just as soon as you send me a name for the pony I will tell you all about my great offer and I will also send you a special coupon good for 1500 free poay votes. Remember, I will give \$25 for the best name for this pony, and I send you 1500 free pony votes and full particulars about the pony as soon as I hear from you. Write me today.

opyright, 1913. By A. M. Piper. A. M. PIPER, 665 Popular Bldg., Des Moines, Ia.

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

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



Solves the hired-man problem and even lights the house-hold work by cutting out the ep—the expense—of extra men. And it pays u a profit too! crop picked ic a bu. less on account of

50 Bushels in 3 to 4 minutes
The Sandwich fills your bins—your cribs—
chuck to the top lickety split! "Unloaded 50
bu. corn in 4 minutes," writes 1. E. Orendorf,
Heyworth, Ill.
Others crib 40 bu. in 25 minutes with the Sandwich.

No Leg-Breaking Platform The Sandwich wagon-jack is overhead. Works to perfection," says A. J. Anderson, Boone, Ia. You drive right under-with even the tallest load. And it dumps it in the hopper in a jiffy. Then hitch on any power-engine—and it's off with a flying start.

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

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Last season we got late orders for 60 carloads we could not supply. These were from
farmers who waited. They had to shovel. But
they couldn't blame us. We warned them as we
are warning you now! Our Elevator Book
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For the best letter each week, contrib uted to this page by a reader, we offer a year's subscription or extension of subscription to Farmers Mail and Breeze. We want your views and experiences. They will help others. Address contributions to Horticultural Editor Farmers Mail and Breeze.

The orchard should be the last place to plant Kafir and cane.

Pumpkins and squash planted late are less liable to injury by the squash

If the soil is rich, plant sweet corn thickly. Otherwise it will sucker bad-

June pruning in the orchard induces fruit growth, winter pruning growth of

If your garden is not where you can get water on it, move the garden.—L. A. C., Morrowville, Kan.

The first pullings of sweet potato plants are the strongest and best. It is well to find out which crop you are getting, at the nursery.

A good way to set out plants is to put them in the holes, pour in a cup of water, and when it has settled press the earth about the plant. The water washes the soil in around the roots where it is most needed.

Will Market Their Peaches in Cans.

Fifty commercial peach growers in Muskogee, McIntosh and Cherokee counties, Oklahoma, have decided they will ship no peaches to market this year. Instead they are all buying canning machines and will can the entire output on their own farms. Local wholesale grocery houses have agreed to buy the entire crop canned at the top market price. This district produced 200,000 bushels of peaches last year. The canning industry will be extended to every kind of fruit and vegetable crop.

must be in the best condition, if any-thing like a satisfactory crop is to be harvested. My plan is to plow deeply in the fall, then early in the spring plow several times with a bull tongue and harrow thoroughly every week or er than 1 part of kerosene to 16 of 10 days till planting time, which in this state is May or June.

may be made in the proportion given. A cupful may be made in a bowl and stirred with an egg beater.

Pure kerosene is very dangerous to plant life. For growing plants it is seldom safe to use the emulsion strong-and harrow thoroughly every week or er than 1 part of kerosene to 16 of ouite so strong. To make the stock so-

after being set in the ground, and the next morning the patch is gone over with a hoe or garden rake and dry dirt raked around the plants, bringing the rows up level with the land. Frequent and shallow cultivations follow, first with the harrow and later with the cultivator. tivator.

In dry weather the slips are set late in the afternoon. The plants are pulled shortly after noon, the tops cut back a little and the roots placed in water till we are ready to put them out. We do not find it necessary to follow the old back-breaking way of setting by hand, but push them into the ground with a stick. One person drops them in the right place and another follows with a stick of convenient length, pushing the plants into the ground and knocking a little dirt around them. Another hand

applies the water. Benton, Ark. David Townsend.

An Experience With Tomatoes. [Prize Letter.]

Mr. Editor-For several years I tried to grow tomatoes in my garden, which we located on upland to have it near the windmill. The vines always grew well and blossoms would form all sum-Unless weeds and grass are kept out mer but they dropped off and no fruit of the new strawberry bed there will would set. Late in summer when the be trouble getting the plants to spread freely.

Weather began to get cooler the vines would set fruit but too late for it to ripen. I thought the land too poor and When rhubarb sends up large num-dry, so manured and watered it, but bers of small shoots it is time to re-with no better results. Finally I put a plant. Dig up the roots, split them, crop out in the field in a draw, where To kill moles, soak corn or beans in strychnine and with a sharp stick push the bait into the runs.—M. M. R., Mt. Pleasant, Tex.

To kill moles, soak corn or beans in fair. We had the same experience with cucumbers.

F. Schneider.

Sylvan Grove, Kan.

To Mix and Use Kerosene Emulsion.

One of the oldest and most serviceable of insecticides is kerosene emulsion. The formula for the stock solution is as follows:

still hot add the kerosene. Stir this mix-ture very thoroughly. If one has a bucket pump, this is easily done by re-moving the nozzle and pumping the fluid back upon itself until the whole mass becomes a rich, creamy mixture. The stirring should continue till all the oil is emulsified, which will probably be in from 5 to 10 minutes.

If the oil does not emulsify readily, it may be necessary to put the mixture back on the stove and warm it more. Great care must be taken that the substance does not boil over.

ushels of peaches last year. The caning industry will be extended to every ind of fruit and vegetable crop.

Setting Out Sweet Potatoes.

[Prize Letter.]

Mr. Editor—Land for sweet potatoes must be in the best condition, if any
A curful may be made in the proportion given.

10 days till planting time, which in this state is May or June.

If the land is worked this way and the weather is seasonable it will be none the worse for its frequent cultivations, and the earth can be bedded up and planted in the usual manner. But if there happens to be a dry spell I do not bed at all, but plant below the level of the ground. The rows are laid off with a bull tongue run fairly deep.

If necessary the plants are watered I water. Many plants will not stand it quite so strong. To make the stock solution to 7 of water. Only clear water, free from much alkali or dirt, should be used. Kerosene emulsion is a contact insecticide and may be applied directly to the insects one wishes to kill.

S. A. Johnson.

Colorado Experiment Station, Ft. Collins.

Who's Doing Anything With Fruit?

Are the fruit trees increasing in number, or are orchards running down in your locality? In many places small quantities of fruit cannot be marketed. Would co-operative shipments remedy this difficulty? Have fruit growers in your locality combined either in shipping or selling? If so tell us whether or not they are making more profit than under the old system of every fellow for himself. What fruit pays best in your locality? How does work laid out on fruit compare, so far as profits are concerned, with work expended in growing the usual field crops? The Mail and Breeze would like to have your answer to any one or all of these questions, for the information and benefit of Mail and Breeze folks, generally.

CORN CAPPER BOYS

Guy T. Helvering of the Fifth Kansas district has offered this free trip to the boy in his district who grows the most corn on an acre of ground this year. The Fifth district includes Marshall, Riley, Geary, Washington, Clay, Dickinson, Republic, Cloud, Ottawa, and Saline counties. Any "Capper boy" under 18 years old who lives in one of these counties is eligible. The rule is that to be eligible the contestant must be entered in some other corn growing

conduct another corn and Kafir growing contest just like last year's except that one boy, instead of two from each county, will have his expenses paid to and from Hutchinson. For this contest the will again be divided in three disstate will again be divided in three distriets, two for corn and one for Kafir,

KAW VALLEY DISTRICT.

Jewell, Republic, Washington, Marshall, Nemaha, Brown, Doniphan, Atchison, Jackson, Pottawatomie, Riley, Clay, Cloud, Geary, Wabaunsee, Shawnee, Jefferson, Leavenworth, Johnson, Douglas, Lyon, Osage, Franklin, Miami, Linn, Anderson, Coffey, Allen, Bourbon and Wyandotte counties.

ARKANSAS VALLEY DISTRICT.

ARKANSAS VALLEY DISTRICT.

Smith, Osborne, Mitchell, Russell, Lincoln, Ottawa, Dickinson, Saline, Ellsworth, Barton, Rice, McPherson, Morris, Chase, Greenwood, Butler, Harvey, Reno, Stafford, Pratt, Kingman, Sedgwick, Barber, Harper, Sumner, Cowley, Elk, Chautauqua, Woodson, Wilson, Montgomery, Neosho, Labette, Crawford and Cherokee counties.

KAFIR DISTRICT.

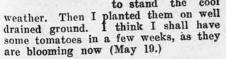
Phillips, Rooks, Ellis, Kiowa, Rush, Pawnee, Edwards, and Comanche, and all counties lying westward.

The prizes for yellow corn and white corn range from \$10 down to \$1 for the first 10 places in both corn districts. Similar prizes are offered for red and white Kafir in the Kafir district. In addition, the boy who gets the best yield in each county will receive a free trip to the fair at Hutchinson. The county superintendent and two bankers are to decide each county con-

Girls Tomato Club

GERTRUDE BOYD, a member of the club at Galena, Cherokee county, had tomato plants in blossom as early as May 19.

"I am glad the Mail and Breeze has a contest for girls," she writes. "Even if we do not win a tomatoes out in the hotbed until large and strong enough to stand the cool



Gertrude Boyd.

varieties of tomatoes should train them up on stakes or a trellis of some kind. About the best and quickest way is to soil surveys have been made of Allen, set a stake 4 or 5 feet long at every Brown, Cherokee, Greenwood, Jewell, plants. Later the plants are kept pruned Reno, Riley and Shawnee counties. to one or two main stems and as these stems with their side branches grow up they are tied to the stake at several it the best farm paper printed.—J. S. places, with rags torn into ribbons. Wilson, R. 3, Medford, Okla.

ow would you like to take a trip Growing tomatoes this way means exto Washington, D. C., this fall with tra work, but it brings more and better all expenses paid? Congressman fruit. The tomatoes are held up off the

these counties is eligible. The rule is that to be eligible the contestant must be entered in some other corn growing contest. You should send your name to Congressman Helvering at Washington stating in what contest you are entered.

Here is another piece of news that will interest members of the Corn Club. The State Fair board at Hutchinson, will senduct another corn and Kafir growing ter. I am a little late but will be at ter. I am a little late but will be at the Hutchinson fair."

Have You a Bird House to Rent?

The boy or girl who puts up boxes for the birds to nest in and supplies the birds with drinking water and bathing places, is certain of an unfailing source of pleasure. Much of this will come from watching the birds, at times, and study-



Suggestions for bird houses. Mail and Breeze boy can make one. plants in blossom as early
She didn't wait for the sent by eating hundreds of insects

weather to warm which would otherwise do damage.

up but set her ing their habits. Bird houses nee
plants in the hotbe new or elaborate. The roughest a ing their habits. Bird houses needn't be new or elaborate. The roughest shelters, and weather stained boxes, are more likely to find a tenant early, than those made of new lumber.

Soil Survey For Montgomery

our tomatoes and our time is not complete soil survey will be Montgomwasted. I set my ery in the southeastern part of the state. Montgomery county contains 643 square miles and it will be necessary to take soil samples of almost every acre of ground on these 643 sections. The U. S. department of agriculture and the Agridepartment of agriculture and the Agricultured ground. I think I shall have ome tomatoes in a few weeks, as they re blooming now (May 19.)

Those girls who planted the vining arieties of tomatoes should train them of aburches achools at reams reilreads. of churches, schools, streams, railroads, public roads, and farm homes. Complete

I like the Mail and Breeze and think

Here's Something New!

John Deere **Motor Press**

The Press with the Patent Eccentric Drive

Designed especially for gasoline engine power, Speed of engine and capacity of press easily maintained because compression stroke is alow and powerful, while return stroke is quick. Gives a steady use of power, and permits the use of a small engine. Has no fly wheel or back gears—they are unnecessary on this new press.

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Attractive folders will be Be sure to mention the kind of machine in which you are interested so that we will be sure to send you just what you want.









We want you to talk chicken with us. Good short letters on poultry matters especially welcome. A year's subscrip-tion to Farmers Mail and Breeze is awarded each week for the most helv'ul bit of poultry experience, and for sec-ond and third best contributions sub-scriptions to other useful publications.

A little salt helps the mash.

ready for the broiler market.

Onions make a good tonic for poultry of all ages. Cut them up in the mash occasionally.

Ducklings are better off for not having water to swim in until they get their feathers.

Fewer turkeys are injured by underfeeding than by overfeeding.—M. II., Effingham, Kan.

If the geese are hiding their eggs, watch them early in the forenoon, the time of day they lay.

The number of chicks brought to factor in getting a good hatch.

the frying stage is what really counts

I could take 100 good laying hens and
lift a good-sized mortgage from a piece

As a general rule 2 to $2\frac{1}{2}$ pounds is the most profitable weight at which to let spring chickens go. After that the chances are profits will be smaller.

For the inside of the poultry house, try a spray made of 1 gallon of coal oil, 1 quart of turpentine, and 2 ounces of carbolic acid. This makes short work of vermin.

Pictures of the Laying Contest.

One of the interesting features on the One of the interesting features on the program for the meeting of the Kansas Poultry federation at Manhattan, June 25-26, will be a stereopticon lecture on "Lessons Learned in the National Egg Laying Contest", by T. E. Quisenberry, director of the Missouri Poultry Experiment station. Other speakers will be President Waters, and Dean W. M. Jardine of Kansas Agricultural college. All persons interested in poultry are invited to be present at the meetings. the meetings.

Minorcas Also Are Layers.

Mr. Editor-As to whether or not Mr. Editor—As to whether or not the Minorcas have laying qualities let me give you the two-months' record of 10 July-hatched Minorca pullets. From January 15 to February 15 they laid 181 eggs and from February 15 to March 15, 239 eggs. Of course these pullets had the best of care and are supposed to come from a laying family of birds that were trapnested several seasons. A dozen of these eggs weighed 341/4 ounces on a druggist's scales.

Seneca, Kan. Fred Kelm.

Smoke Out Vermin With Sulphur. [Prize Letter.]

Mr. Editor-I use a method of ridding the poultry house of vermin which does away with all sprays and powders. I dampen a bunch of hay, pour 1/4 pound of sulphur over it, then set it afire in the house. The house should be closed up and no chickens allowed to go in un-til two hours after the fumigation. It is well to use an old pan or tub in case there is too much of a blaze. Choose a still day to do this work. For individual chicken coops the same treatment may be applied by putting some sul-phur on a shovelful of live coals. Eldorado, Kan. Z. Peffley.

> Keeping Ahead of the Lice. [Prize Letter.]

Mr. Editor-When setting hens I find it a good plan to put some earth in the bottom of the nest box and straw on top of that. It is a good idea, also,

to sprinkle the eggs with lukewarm water a day or two before they are ready to hatch as this will help the chicks to break through the shell. It CONDUCTED FOR FARMERS MAIL AND
BREEZE BY REESE V. HICKS, PREST.
AMERICAN POULTRY ASSOCIATION.

We want you to talk chicken with us.
Good short letters on poultry matters especially welcome. A year's subscrip
will not hurt to dust the hen two or three times with some good lice powder. I find the Persian insect powder, which can be had at drug stores, good. For chickens confined on a town lot I found a "horse feed," put up in St. Joseph and made of alfalfa, corn, oats and other ground grains, with a little salt and molasses mixed in, good feed for laying hens.

Beattie. Kan. will not hurt to dust the hen two or laying hens. Beattie, Kan.

When Incubators Were Uncommon.

Mr. Editor-I have operated an incubator for 14 years and have had a variety of experience. A good deal of fun Overfeeding is a fruitful source of was made at my expense when I first got a machine. People said the chicks would not be strong because "it wasn't natural to hatch it." natural to hatch 'em that way." To-March hatched chicks should soon be day nearly all these critics have machines of their own. When I set the machine the first time, people were so curious that they bothered me day and night. They wanted to see how it worked inside, and if I opened it once I opened it 25 times a day. The heat went up and down accordingly and I thought the hatch was surely ruined, but at hetching time the 200 certains. but at hatching time the 200 eggs pro-

duced 175 strong, healthy chicks.

But hatching with an incubator is no child's play. The machine needs a lot of attention and one must be right there to give it at the time it needs it. Put in only good, fresh eggs. Get the best grade of kerosene for the lamp. Airing the eggs daily is also a very important

the frying stage is what really counts
—not the number hatched.

Use insect powder freely on the sitting hen and her nest. Nothing worries a sitting hen more than lice.

I could take 100 good mying hens and lift a good-sized mortgage from a plece of land in a very few years. I think the Missouri hen is ahead of the Missouri mule. Mrs. Nannie Ferguson.

Rosendale, Mo.

Money in Shortgrass Turkeys. [Prize Letter.]

Mr. Editor-Of all the crops we raised last year, the turkey crop paid us best for the amount of time and money invested. We started out with six hens and a tom that cost us a little less than \$9. From these birds we raised 80 turkeys to maturity that sold for \$109.50. Most of them were sold on the Thanks-giving market but had we kept them a little longer our profits would have been

The \$9.50 would more than cover the amount we were out for feed, leaving us \$100 in clear profit. This may sound unreasonable but with the exception of the first days after hatching when they had a little curd, hard boiled egg and bread crumbs, the turkeys made their own living up to October 1. About this time we began feeding oats and a little milo and later we added corn to the ration,

to fatten them for market.

Besides the cash realized from the sale of the birds they added many dol-lars to the value of the alfalfa crop by ridding the fields of grasshoppers and other insects. Farmers in this part of Kansas are awakening to the fact that turkey raising is a profitable industry and a necessary adjunct to successful

farming.
We have found the White Hollands more domestic than others and therefore less likely to roam and mix up with other flocks. They are hardy, easily reared, and a beautiful bird in their white plumage and stately bearing.

Mrs. C. K. Turner.

Fowler, Kan.

Reliable Poultry Breeders

FARMERS MAIL AND BREEZE POULTRY RATE.

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

HOUDANS.

HOUDANS, world's greatest winter lay-ers. Eggs \$1.25 per 15. Lee Biglin, Alta Vista, Kan.

BUFF COCHINS.

FOR SALE—Buff Cochins of quality. Send for mating catalog. J. C. Baughman, Topeka, Kan.

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BOUREON RED turkeys. Mostly two-year-old breeders. Standard size and markings. Eggs \$3.00 per 11. Stover & Myers, Fre-donia, Kan.

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WHITE WYANDOTTES exclusively. Eggs, 100 \$4.50, 30 \$1.75. Mrs. Will Beightel, 100 \$4.50, 30 Holton Kan.

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COLUMBIAN WYANDOTTES. Select matings. Eggs, \$2.00 per 15. B. F. Martin, Dodge City, Kan.

SILVER LACED Wyandottes exclusively 16 years a breeder, eggs from choice mat-ings \$2.00 per 15. Utility stock \$1.00 per 15. W. A. Hunter, Manhattan, Kan.

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

DUCKS.

WHITE INDIAN RUNNER ducks. 13 eggs \$3.00. B. F. Graff, Erie, Kan.

INDIAN RUNNER Fawn and White duck eggs \$1.00 per 13, \$3.00 per 50. G. Rich-nond, Alma, Kan.

EGGS-White Runners, Fawn and White, Buff Orpington duck and hen eggs. Mrs. T. N. Beckey, Linwood, Kan.

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

FAWN INDIAN RUNNERS \$5.00 trio. Eggs \$4.00 per 100, \$1.00 per 15. G. W. Skinner, Baxter Springs, Kan.

FAWN AND WHITE Indian Runners. Large white eggs, now \$1.00 per 15, \$2.50 per 50, \$4.50 per 100. Xena Riggs, Weath-erby, Mo.

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

INDIAN RUNNER eggs \$1.00 per 13, \$3 per 50, \$6 per 100. American Standard fawn and white. White eggs. Pearl Wertzberger, Alma, Kan.

INDIAN RUNNER ducks. American Standard light Fawn-white. Prize winners white eggs \$1.25 per 15. Mrs. D. A. Pryor, Route 3, Fredonia, Kan,

FAWN AND WHITE Indian Runners, white eggs. Yard A, exhibition quality, \$2.00 per 15; yard B, \$1.25 per 15, \$3.50 per 50, \$6.00 per 100. Pure White Runners, eggs \$3.00 per 12. Free circular. Stover & Myers, Fredonia, Kan.

RHODE ISLAND REDS.

SINGLE COMB REDS. 100 eggs \$3.50, 30 \$1.25. Mrs. Rosa Janzen, Geneseo, Kan., R. 3.

THOROUGHBRED Single Comb Reds. Eggs, \$1.00 per 15, \$3.00 per 50, \$5.00 per hundred. Florence Williams, Olivet, Kan.

SIBLEY'S prize winning strain, dark rich red R. C. Reds. Price reduced. Eggs 15 75c, 50 \$2.00. Nora Luthye, North Topeka, Kan., Rt. No. 6.

R. C. RHODE ISLAND REDS—Best win-ter layers. Eggs from high scoring stock \$1.00 per 15, \$5.00 per 100. Mrs. A. J. Nicholson, Manhattan, Kan.

STOVER & MYERS, Rose Comb Reds, choicest quality. Winning 28 ribbons at Oswego, Tulsa, Fredonia and Kansas State Show. Eggs cheapest in West, quality considered; Yard A. & B. \$3.00 per 15; C. & D. \$1.50 per 15; Yard E. \$4.00 per 100. Free circular. Fredonia, Kan.

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

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SINGLE COMB BUFF ORP. eggs \$5 per 100. Or incubator lots. Flora Watson, Altoona, Kan.

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SINGLE COMB Golden Buff Orpingtons. House Poultry Farm, Salina, Kan.

BUFF ORPINGTONS, Eggs half price from fancy and utility, Express paid, Cock-erels for sale. Mating list free, August Petersen, Churdan, Ia.

BARGAIN SALE of Orpingtons. S. C. Buff, White and Black. 100 breeders and 500 Feb., Mar., Apr. and May hatch chicks from 25 cts. to \$2.00 each. Cook, Owen. Kellerstrass, Haggin strains. Write your wants. Mrs. Daniel Onstott, Moores Hill.

LANGSHANS.

BLACK LANGSHAN eggs reduced to \$1.00 per 15, \$4.00 per 100. Geo. W. Shearer, Elmhurst Farm, Lawrence, Kan.

BIG BONED greenish glossy Black Lang-shan, score 92 to 96 hens \$1 each. Cock-erels \$2.50. Eggs 10 cents each. Guaran-teed. H. Osterfoss, Hedrick, Iowa.

BARRED ROCK eggs \$3.00 100, May and June. Mrs. Wm. Sluyter, Jewell, Kan.

QUALITY WHITE ROCKS. Eggs for hatching. J. A. Kauffman, Abilene, Kans.

BARRED ROCKS exclusively. Eggs, 100 \$4.50, 30 \$1.75. Catherine Beightel, Holton, Kan.

WHITE ROCKS. Free range. Eggs, 15 75c; 100 \$3.00. H. F. Richter, Hillsboro, Kan., R. 3.

PURE BRED Barred Rock eggs \$1.00 setting, \$4.00 100. Wm. C. Mueller, Hanover, Kan., R. 4.

WHITE ROCK baby chicks, 12 cts. each, Incubators going now. Mrs. Geo. Woodworth, Route 2, Lebanon, Kan.

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THOMPSON'S "Ringlet" Barred Rocks. Best layers, finely barred. Fifteen eggs \$1, 100 for \$5. Tracy's, Conway Springs, Kan.

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BARRED ROCKS—Weigher-layer. 103 premiums. Eggs \$1.00 15, \$5.00 100. Special matings \$3.00 15, \$5.00 30. W. Opfer, Clay Center, Kan.

WHITE ROCKS, pure white, big boned, farm raised. Baby chicks 15c a piece by the 50 or 100, 20c a piece by the doz. Eggs \$1.00 for 15, \$2.50 for 50, \$5.00 for a hundred. Good laying strain. Prize winners. B. E. Miller, Newton, Kan.

BARRED ROCKS—68 premiums, Topeka, Manhattan, Clay Center, Denver, 24 regulars, 9 firsts, 4 specials in the show season. Eggs, 15 \$3.00, 30 \$5.00. Utility, 12 premiums, 15 \$1.25, 60 \$4.00, 100 \$6.00. Mrs. D. M. Gillespie, Clay Center, Kan.

LEGHORNS.

EGGS from S. C. Brown Leghorns, \$1.00 for 15, \$4.00 per 100. H. N. Holdeman, Meade, Kan.

ROSE COMB BROWN LEGHORN eggs 5c each. \$4.00 per hundred. Tillie Wilkins, Miltonvale, Kan.

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PURE BROWN ROSE COMB LEGHORN eggs 3½ cents each; 100 \$3.50. Laura A. Hazen, Hollis, Kan.

S. C. WHITE LEGHORNS. Free range; great layers. Eggs, 100 \$3.00, 13 75c. C. B. Wilson, Burlingame, Kan.

SINGLE COMB WHITE LEGHORNS, the big thrifty kind; 15 eggs 70c, 100 \$3.60. C. W. Connelly, Wellston, Okla.

EGGS FROM PURE BRED S. C. White Leghorns. \$3.00 per hundred. Extra fine stock. Harry Givens, Madison, Kan.

ROSE COMB WHITE LEGHORN eggs. Fifteen, one dollar. One hundred, five dol-lars. Mrs. C. S. Wade, Miltonvale, Kan. SINGLE COMB BROWN LEGHORNS. Eggs 75 cts. per setting, 100 \$4.00. Baby chicks 10 cts. Large breed. Mrs. F. M. Rodda, Solomon, Kan.

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SINGLE COMB BROWN LEGHORNS. Standard birds. Farm ranged, vigorous, ex-tra heavy layers. Eggs \$4.00 per 100. Mrs. J. A. Jacobs, Manchester, Okla.

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

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Eggs \$6 per hundred. Turkey and Geese eggs \$1.75 per setting. We breed all leading varieties of Standard Poultry. Plymouth Rocks are our leaders. Stock of high st quality at let live prices. Write for descripte ve circular. Address W. F. HOLCOMB. Mgr. Nebraska Poultry Co., Clay Center, Neb.

FOR SALE OR EXCHANGE for eggs of some large breed of chickens, one 175 egg. X-Ray incubator Brand new. W. C. Simpson, Montoya, N. M.

Why Chicks Have Diarrhea

BY D. E. SALMON, D. V. M. U. S. Department of Agriculture.

It has been found that white diarrhea of young chicks is caused by at least four different kinds of infection. All of these microbes also infect adult fowls and generally are communicated

by them to the chicks.

The most common cause of the di sease is a bacillus called bacterium pul-lorum. This often infects hens and the eggs which they lay. Such eggs produce chicks which have the germs of the disease within them when they are hatched. These chicks show symptoms within the first few days of their lives.

The contagion also may be communicated from chick to chick by means of the droppings which contaminate food and drink. This causes the appearance of symptoms when the chicks are from 1 to 2 weeks old. Chicks are most susceptible to infection during the first 24 hours after hatching, are more resistand are practically insusceptible after the fourth day. Incubators, brooders, and coops preserve the contagion in-definitely. Adult fowls are resistant and do not show any symptoms.

Cholera Carried the Same Way.

The cholera bacillus also may be cac-nied by laying hens and infect the egg before it is laid. Young chicks hatched from such eggs soon show symtopms of disease and communicate the contagion to others at all ages.

The coccidia which cause a chronic disease in adult fowls many infect eggs and cause disease with similar symptoms in the chicks.

The aspergillus fungus is the fourth cause of white diarrhea. Occasionally it is included in the egg when laid but may also penetrate the shell when eggs are packed in moldy chaff, straw, or grain, or are allowed to get damp. All these mismbes me to get damp. these microbes may be carried on the cutside of the shell, and may infect nest boxes, incubators, brooders, and yards where diseased birds have been.

Treatment Should Be Preventive.

Medical treatment is impractical as it is too expensive and has little effect on the course of the disease. The birds may be given sour milk or buttermilk to drink, or 15 grains of catechu may be added to the gallon of drinking wa-

Preventive measures should begin with the eggs used for hatching. It bought, the eggs used for hatching. If bought, the eggs should only be accepted from flocks known to be healthy. The eggs should be kept in a dry, moderately cool place, so spread out that the air can circulate over them. They should not be placed in hay, straw, or other substance liable to become musty or moldy. Before putting them into the other substance liable to become musty or moldy. Before putting them into the incubator or under the hen the eggs should be wiped with a cloth wet in grain alcohol, of 70 to 80 per cent strength, to remove any germs that might be on the surface of the shell. The hens used for hatching should be The hens used for hatching should be tree from infection and the incubator thoroughly cleaned. If there have been any sick chicks in the incubator or brooder, the machine should be washed with a 5 per cent solution of cresol.

If Hatching Is Done With Hens.

If the hatching is done with hens the brood should be put on fresh ground and any chicks which sicken should be immediately removed and isolated or killed. By removing frequently to fresh ground or by frequent disinfection the disease may sometimes be limited to a few. In incubator hatches, trays and brooders may be divided by light partitions with 4 or 6 chicks in each. If the disease appears the affected lot may be divided by may be divided by light partitions with 4 or 6 chicks in each. If the done only one or two with the hen. When disease appears the affected lot may be only one or two with the hen. When the control and the place occupied disingular than the control of the place occupied disingular than the p

Raising the Turkey Brood

a bush on the bare ground and when she leaves the nest, covers the eggs with grass or leaves. This keeps them warm. Many failures with turkey hatches are due to too much straw in the nest. The eggs are buried so deeply they become chilled. If a box or barrel is used for the nest put a bucket full of earth in the where the house where the chickens. At noon I get the turkeys in the chickens. At night I wait till turkey have come to their roosting place, after making one. I gather the kind to use for top of the head and at the butt ends of the turked birds, are the kind to use for top of the head and at the butt ends of the wings. A little grease will kill the wings. A little grease will kill the wings. A little grease will kill the turkey have some to try raising turkeys ing where both hens and gobbler come hatching. Do not use eggs from a mathatching. Do not use eggs from a mathatching. Do not use eggs from a shatching. Do not use eggs from a shatching. Do not use eggs from a mathatching. Do not use eggs from a mathatching.

No-Rim-Cut Tires 10% Oversize

11% Less This Year

tires daily.

Rubber has dropped a little. And our factory cost, because of multiplied output, has dropped a little more. Our new factories are completed, and we've equipped them with the latest labor-saving machinery.

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You get extra capacity. No-Rim-Cut tires are 10 per cent larger than the same rated size in clinchers. And that oversize, under average conditions, adds 25 per cent to the tire mileage.

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Hooked-base tires-tires which

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As a result, No-Rim-Cut tires

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less than last year.

pretty close to 8,000 motor

One glance will show that these tires can't rim-cut, that they are over rated size. Find out how this lowers tire bills.

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your estimation, call for a test of these

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disease appears the affected lot may be only one or two with the hen. When removed and the place occupied disinthey are all with the hen once more fected. After four or five days the I scatter bread and crumbs in the grass ket is one of the easiest ways by which they grow larger they are turned out healthy chicks may be put together.

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I scatter bread and crumbs in the grass ket is one of the easiest ways by which they grow larger they are turned out late in the afternoon. As they grow larger they are turned out late in the afternoon. As the grass ket is one of the easiest ways by which they grow larger they are turned out late in the afternoon. As the grass ket is one of the easiest ways by which they grow larger they are turned out late in the afternoon. As the grass ket is one of the easiest ways by which they grow larger they are turned out late in the afternoon. As the grass ket is one of the easiest ways by which they grow larger they are turned out late in the afternoon. As the grass ket is one of the easiest ways by which they grow larger they are turned out late in the afternoon. turkey. I set a turkey hen and a chicken hen at the same time and give all that hatch to the turkey, first giving Mr. Editor—When making her nest or carbolic acid. Don't use the grease Mr. Editor—When making her nest or carbone acid. Don't use the grease the feed being necessary light and morning the turkey hen does not use much bedwhile she is sitting on the eggs or they ing to induce them to roost at home. Eggs from strong, healthy, well-masshe leaves the nest, covers the eggs with she leaves the nest, covers the eggs with a cannot run over them. I would not hatching. Do not use eggs from a matshe leaves the nest, covers the eggs with

the bottom of it and leaves or hay on top. This covering should be about ½ the day. I feed corn bread and milk turn once a day. When a turkey wants are 6 weeks old I give chop, wheat or, are 6 weeks old I give chop, wheat or, are 6 weeks old I give chop, wheat or, in fact, almost anything twice a day.

Mr. Editor—If the weather is cold and wet when the turkeys are hatching I bring them in the house and keep them.

Bois D'Arc, Mo.

The day. I feed corn bread and milk turn once a day. When a turkey wants to sit I give her 15 to 18 eggs and put the rest under chickens. Nests are made on the ground. When hatched I less than \$70 worth a year from four less than \$70 worth a Bois D'Arc, Mo.

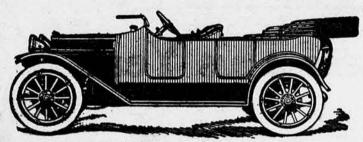
Let Turkey Hens Raise Them.

just when we need funds for Christmas buying. Being natural foragers, cost of keeping turkeys is small, only a little feed being necessary night and morn-

I feed them sparingly of hard boiled eggs and bread crumbs, also providing grit and plenty of water. When they are able to travel well the flock is pin money. Unlike chickens the money earlier. I am always careful to see from turkeys comes all at one time and they come back to roost. I move the pen to a new location frequently. Dampness and lice are fatal to young turks but I believe over-feeding causes heavier losses than anything else. The brood should be fed lightly and allowed plenty of exercise. Usually lice are found on top of the head and at the butt ends of the wings. A little grease will kill the lice but too much will kill the turks.

PA16E 36

is a next year's car



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We can't tell you in an advertisement how good and how much the Paige "36" really is.

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For those who want a smaller_car Paige "25" at \$950 is as exceptional a value as the "36."

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CROPS and FARM WORK

(Crop Reporting Service of Farmers Mail and Breeze.)

August weather in May and early June, when wheat heads are filling out, is anything but favorable to bumper yields or crop boosters' predictions. All previous crop estimates are in need of revision downward—some of them as much as 50 per cent in central and western Kansas counties. From Harper and Barton counties come reports that stock has been turned onto some wheat fields. Although wheat has been "saved" several times this spring by seasonable rains, it never needed saving as much as it did this week. The hot spell has ripened grain rapidly and harvesting in southern Kansas will begin as early as next week. Some wheat already has been cut in Oklahoma.

Where soil moisture has been sufficient, corn is getting away for a good start. A warm sun overhead and mois-ture underneath form a combination that can't be beat for making corn stretch. Good weather has enabled weeding and cultivating to go ahead without interruption and fields are unusually clean. Most early plantings have received two workings and in Lingely, equipty Oklahome, the larger part coln county, Oklahoma, the larger part of the crop has been laid by, says J. B. Pomeroy.

Grass has been suffering along with other crops and stock pastures are getting uncomfortably short for this time of year, in some localities. H. C. Jacobs of Clark county, Kansas, says spring calves in that county are being contracted for fall delivery at \$25 to

\$30 per head.

A. C. Craighead of Grant county, Oklahoma, writes that the grasshopper crop is the best ever in that county.

KANSAS.

Decatur County—Early sown wheat beginning to head. Wheat and other crops need rain badly. Corn doing well. Weather warm and dry.—G. A. Jorn, May 31.

Saline County—Wheat ripening fast and needs rain badly. Corn is in good condition. First cutting of alfalfa put up. The crop was light but of good quality. Eggs 14 cents.—G. W. Holt, June 1.

Barber Caunty—No prospects for wheat

cents.—G. W. Holt, June 1.

Barber County—No prospects for wheat
this year as far as any profit is concerned.
Lightest May crop of alfalfa I ever saw.
Grass at a standstill but cows still giving
milk.—G. H. Reynolds, May 31.

Chase County—Wheat looks fine but needs
rain to fill it out. Good stand of corn
generally. Plenty of grass and water and
stock doing well. Good crop of alfalfa being put up.—W. J. Dougherty, June 2.

Osborne County—No rain for two weeks

Osborne County—No rain for two weeks and wheat is damaged 30 to 40 per cent. Good crop of alfalfa being put up. Corn shows good stand and doing well. Pastures getting dry.—W. F. Arnold, May 31.

Cheyenne County—Dry for two weeks and very hot. Small grain looks pretty bad. Too dry to list. Grass drying up. Cows selling at big prices. Hogs down a little, Eggs 15 cents, cream 24.—Mrs. J. S. De-Long, May 29.

Comanche County—Wheat prospects reduced 50 per cent in last two weeks by dry weather. Oats a failure and pastures beginning to dry up. Corn shows a good stand generally but acreage is small.—S. A. Delair, May 31.

Sheridan County—Getting dry here. Large acreage of corn planted and most of it up and looking fine. Wheat shows some improvement since last report. Barley looks good. Garden stuff coming on fast.—R. E. Patterson, May 29.

Lincoln County—Very dry and hot. No rain since May 3. Wheat short and beginning to dry up except in north half of county. Chinch bugs not numerous yet. Pastures fair but need rain. Colt crop large.—E. J. G. Wacker, May 30.

Labette County—Wheat damaged about

Labette County—Wheat damaged about 30 per cent by chinch bugs. Some old ones in corn but have noticed no young brood. Oats look fine. Most farmers over their corn twice. Hogs \$7.50, eggs 15 cents, butter 25.—Wilbert Hart, May 31.

Rush County—Wheat, oats and barley badly damaged by intense heat and dry winds. Temperature has stood at 100 to 105 greater part of week. Corn, Kafir and other feed not injured. Local showers May 30. Butter fat 28 cents, eggs 15.—J. F. Smith, May 31.

Smith, May 31.

Barton County—Still dry. No moisture in subsoil and the few showers have done little good. Grass is scarce in pastures. Some farmers have turned stock onto wheat fields. Corn looks healthy but is not growing. Good stand of oats but will make no crop.—J. A. Johnson, May 31.

doing well on account of dry weather. No rain for three weeks. Wheat badly burnt and cannot make much at best. Plenty of grasshoppers and chinch bugs. Farmers discouraged.—F. J. Turner, May 30.

Cherokee County—Good stand of corn and plowing in full blast. Wheat in head and looking well. Oats generally poor. Plenty of rain. Pastures good. Plenty of cattle buyers but no cattle to sell. Chinch bugs plentiful but not doing much damage. Corn 65 to 70 cents, hay \$10.—J. W. Harden, May 31.

May 31.

Riley County—Weather hot and dry. Rain would be welcome. Wheat shows effects of bugs. They are also working in oats and corn. Good stand of corn and most of it worked once. First crop of alfalfa put up. Some oats good but others kept down by smartweed. Corn 50 cents, eggs 16.—P. O. Hawkinson, June 1.

Harner County—No rain for some time

P. O. Hawkinson, June 1.

Harper County—No rain for some time, Wheat drying up and oats are a failure. Weather dry and near hot winds blowing. Wheat harvest will begin in 10 days. Some fields being pastured now. Corn looks good. Rain needed badly as this county has not had 2 inches of rain this year.—H. E. Henderson, June 1.

Greeley County—One neary ram in porce.

Greeley County—One neavy ram m norms part of county this month. Ground too dry to work in some places. Lots of thisties on all cultivated ground. Early planted corn growing fine. Only a few pieces of wheat in this county will be harvested. Grass in south part of county dry enough to burn.—J. Skillman, May 31.

Mitchell County—Weather warm and a little dry for wheat to fill. Corn looking good and being worked with disk weeder. Fine crop of alfalfa being put up. Oats look well but need rain. Nearly all feed crops planted. Farm help scarce. Fine prospect for apples, grapes and blackberries.—J. H. DePoy, May 31.

Cloud County—Most wheat headed out and looks fine generally but could use more rain. A few pieces slightly damaged by files. Good stand of corn and some cultivating done. Good first crop of alfalfa being cut. Oats doing fine but need rain. Large acreage of cane and Kafir being put out. Hot weather for this season.—W. H. Plumly, May 31.

Scott County—Corn working the principal farm Job now. Cutworms did some damage to late plantings. Early plantings show good stand. Grasshoppers plentiful. First cutting of alfalfa being put in stack. Pastures good and stock doing fine. Small grain making slow growth. Surface soil dry but subsoil keeps corn growing.—J. M. Helfrick, May 31.

dry but subsoil keeps corn growing.—J. M. Helfrick, May 31.

Osage County—Dry and hot weather with thermometer at 100 the last two days. Oats and wheat suffering from chinch bugs. Corn and Kafir all planted. Corn shows good stand and has been plowed once. Pastures good and stock doing well. Full crop of berries and cherries. Few peaches, apples light, and no pears. Grapes promise well.—H. L. Ferris, May 31.

Clark County—Last eight months have been driest in many years. Dry weather and hot winds have ruined all small grain. Soaking rains are needed as a large acreage of spring crops still to be planted. Pastures getting short. First crop of alfalfa being cut but is light. Spring calves contracted for fall delivery at \$25 to \$30 per head.—H. C. Jacobs, May 28.

Ottawa County—Last three days of May were hottest ever known for that month in this county—107 May 29. Crops suffering for rain. Wheat headed out but going backward. Young chinch bugs hatching and are bad in some fields but others not affected. Good stand of corn and first planting being worked. Pastures good and stock doing fine.—W. S. Wakefield, May 31.

OKLAHOMA.

Pottawatomie County—Oats the best in years. First alfalfa crop put up. Corn in good shape—some 3 feet high. Cotton backward. Potato crop good. Stock is in fair shape but hogs and cattle are scarce.—L. J. Devore, May 30.

shape but nogs and cattle are scarce,—
L, J. Devore, May 30.

Delaware County—Weather warm and dry
but crops are not suffering. Corn is in
good shape. Wheat filling out and a good
berry is in prospect. Oats not very good.
New potatoes ccming on. Peach crop will
be fair.—John M. Rock, May 31.

Grady County—Wheat prospects reduced
more than a half by dry weather and files.
None abandened so far, Corn and cotton
show good stands but need rain. Cotton
chopping begun. Corn 55 cents, butter 25,
eggs 15.—Sam C. Hefner, May 30.

Lincoln County—Fine growing weather but
a shower would be acceptable. Oats in
full head. Corn clean and most of it laid
by. Kafir and millo acreage iarge and
stand good. Cotton choppers scarce. New
potatoes and early apples plentiful.—J. E.
Pomeroy, May 31.

Kingfisher County—Dry weather the last

Kingfisher County—Dry weather the last two weeks but had light showers in some localities. Wheat and oats need rain but have already been cut short. Harvesting will begin June 2 in some places. Spring crops look well but pastures drying up.—H. A. Reynolds, May 31.

H. A. Reynolds, May 31.

Canadian County—Weather dry and will cut wheat and oats short. Corn doing well so far. All has been worked twice and some three times. Some harvesters are talking of beginning work June 3. Everybody wants rain. Corn 55 cents, oats 30, wheat 77.—H. J. Earl, May 31.

Gent County—Het winds and dry weath-

17,

No Rest for the Auto.

The auto on the farm arose
Before the dawn, at four.
It milked the cows and washed the clothes
And finished every chore.

Then forth it went into the field
Just at the break of day;
It reaped and threshed the golden yield
And hauled it all away.

And when the field that afternoon,
And when the job was through
It hummed a pleasant little tune
And churned the butter, too.

And pumped the water for the stock And ground a crib of corn, And hauled the baby 'round the block To still its cries forlorn.

Thus ran the busy hours away
By many a labor blest,
And yet when fell the twilight gray
That auto had no rest.

For while the farmer, peaceful eyed, Read by the Tungsten's glow, The patient auto stood outside And ran the dynamo.

Lining a Silo With Cement

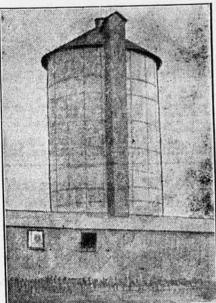
BY W. W. THAYER.

[Written for Farmers Mail and Breeze.]

When we built our silo in 1904 I knew nothing about silos and silage except what I read in farm papers and books. I caught the fever at once. I was fully convinced that green corn could be put convinced that green corn could be put in these big cans and used for winter feed. While building my silo I had to do a good deal of explaining to my neigh-bors to protect myself. I also had to bluff them and added that the time, would come when silos would be as plentiful in Brown county as windmills. Early one morning, after finishing the silo, I found a man leading a team of horses around it. On seeing me he stopped, looked up at the top, and asked if I would not show him how to water his horses. For several years no other silos were built here, but interest in them has grown steadily and a number of withhere have but them we in the of neighbors have put them up in the last two years. Every man of them is well pleased with his investment.

How the Silo Was Built.

My silo is 33 feet high by 16 feet 4 inches in diameter and holds 150 tons. It is a cement-lined wooden silo. After my article in the Mail and Breeze last spring I could not answer all the letters that a me asking for further portions. that came asking for further particulars. I hope this one will make these points plain. We began our silo by first excavating a pit 19 feet in diameter and 4 feet deep, leveled the bottom of this and then went 6 inches deeper around the edge, this trench being 18 inches wide. This was filled with concrete for a foundation. For the sill we used 2 by the contract of the contract 4s cut into 30-inch lengths and the ends



Mr. Thaver's cement-line side is covered with galvanized iron,

beveled so they might be toe-nailed together for the circle. The studding are 2 by 4s placed 15 inches apart from center to center and toe-nailed at the bottom. The first studs should be set in the angles formed in the sills. To stay the studding we set a telephone pole in the center of the silo and to this stays may be nailed from every alternate stud. The studs were carefully plumbed on the inside.

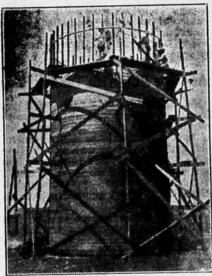
Split Fencing for Sheeting.

outside of studding where the top of the foundation wall was to come. This was a foot above ground and here two per in the country.—J. W. Borger, R. 3, courses of sheeting were nailed to the Cawker City, Kan. At this point we ran a line about the

outside of studs, one course on top of the other to break the joints. Then the rest of the studs were set in and plumbed and four more thicknesses of sheeting nailed on top of the first two. This band is for the purpose of giving extra strength at the base and also to serve as a watershed. A strip of galvanized iron was nailed over the top at the band and allowed to extend up the studs 2 inches. The wall was then built up to the underside of this band and all the water that runs down the side of the

water that runs down the side of the silo is carried off instead of running down at the sides of the studding.

Sheeting was made of 6-inch fence boards, this being resawed, making it a little less than ½ inch thick. The lath were made of the same material, each of the ½-inch boards, 6 inches wide making three lath. Each lath was sawed with beveled edges so that when nailed to the sheeting with beveled edge in, they held the cement the same as patent lath. We put two courses of sheeting lath. We put two courses of sheeting on the inside, bending them to the studding. The sheeting was well nailed and all joints covered. Lath were bent and



Putting on the Sheeting.

nailed on the sheeting in the same way. A single course of sheeting was put on the outside and this covered with galvanized iron.

How Doors Were Put In.

Openings for doors are 27 inches square and placed $4\frac{1}{2}$ feet apart. Doors were made by nailing three thicknesses of flooring to two pieces of 2 by 4 as battens. Door frames were made on the ground of 2 by 4s. The doors were made with hevel edges and being put in from with bevel edges and being put in from the inside they tighten up as the pressure inside increases

Three parts of clean, sifted sand to 1 part cement were used for plastering. We began at the top and plastered down, taking out the staging as we finished. The cement was put on to cover the lath about ½ inch thick and was well trow-

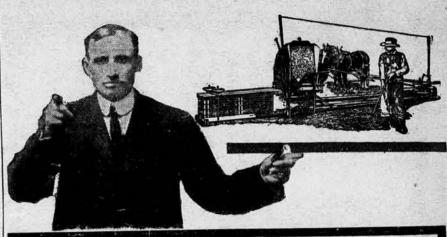
About 6,000 feet of lumber were used, 4,000 feet of this being 1 by 6-inch fencing 16 feet long. Other materials were 50 sacks of cement, 200 pounds of nails, galvanized iron \$70, sand and rock \$15. We paid one carpenter \$50 and my own week and that of two boys was not work and that of two boys was not counted. We did our own resawing here on the place, but would not advise any-one who has not had experience with it before, to try a circle saw. Fairview, Kan.

Mutton is Cheap and Good

National and state governments have been unable to lower the prices of beef and pork in the United States. Big meat packers claim they are unable to reduce the prices of beef and pork, because the supply on the hoof is not equal to the demand, even with retail prices in the sky. There is no prospect of beef and ham getting much lower in price during

the next year, no matter what congress does to the tariff.

There is a way, however, for the people of the United States to get cheap meat of good quality. Mutton is one of the best of meats. It is agreeable to the taste, pourishing, and clean. It has the taste, nourishing, and clean. It has the virtue today of being the cheapest meat obtainable on the hoof and also in some markets, dressed.



I want to send you this hay press on 30 Days Free Trial with a positive guarantee that it will save you one-third the labor and from 20 to 30 per cent of the expense of any hay press on the market.

That's my guarantee and it means exactly what it says: A saving of one-third in the labor of baling your hay, and a better price for every ton of hay you sell.

Two men can bale more hay with an Auto-Fedan hay press than three men can bale with any other two-horse baler on the market.

The Auto-Fedan is in reality a self feed. Two men can operate it. The hay does not have to be tabled, but is pitched into the large open hopper with an ordinary pitch-fork. You do not have to tamp it with your feet. The press makes three strokes to every circle of the team; thus gaining one stroke to the round over most machines and increasing the capacity of the press one-third.

The hay is not pounded or hammered into the press, but is pressed down evenly by our solid feed-board and pressed into compact layers:—The result is the cleanest, smoothest bale you ever saw. The hay comes off in even layers and alfalfa is not broken or shattered.

ta-Fedan

Is sold on a positive guarantee covering every claim we make for it and is just as binding upon our company as we can, by any possibility make it.

HERE ARE SOME OF THE SPECIAL FEATURES OF OUR GUARANTEE:

The Auto-Fedan will bale from one fifth to one-third more hay per

hour, than any other two-horse hay-press made.

The Auto-Fedan—when baling from the windrow—is operated by TWO men, and these two men bale MORE hay than three men can bale with the two-stroke presses.

The Auto-Fedan is really self-feed and is absolutely safe. Don't risk

life and limb tamping hay into a dangerous hay-press.

The Auto-Fedan doesn't pound nor hammer the hay; our feed board PRESSES it into compact layers. It makes the smoothest, neatest bales

which always grade high.

The Auto-Fedan sets low; you don't have to pitch the hay upon a table, but you pitch it easily into the open hopper.

The Auto-Fedan will bale ANY KIND of hay from the coarsest to the

finest. It has the easiest and quickest tension to adjust to various weights and conditions of hay.

The Auto-Fedan is the favorite with farm help because it is easiest on both men and teams and because it is absolutely safe.

The Auto-Fedan with its long sweep and its short crank arm is by far the most powerful press made; and it is so durably built and made of such good materials that you will have very little trouble from breakage.

The Auto-Fedan is sold at a lower price, capacity considered, than any

other hay press.

The Auto-Fedan has the strongest guarantee that I know how to write. If you can think of any fairer proposition, write me about it. I want you to have this press.

AUTO-FEDAN BELT POWER PRESS

We also build the famous Auto-Fedan Belt Power Press-the most economical power press in the world. Two men can run it, but if you want to crowd it, speed up and double your force, operated by a 6 hp engine. If you have a large quantity of hay, you'll be interested in the prices we can quote you on this powerful press. Write for particulars.

NOW, THEN, LET'S GET TOGETHER

I promise to save you money at the very outset.

promise to send you this machine on 30 days free trial.

I promise to send you this machine on 30 days free trial.

I promise that you will save at least 20 per cent in the cost of baling.

I promise that you will get a higher price for your hay because of the neater, smoother bales the Auto-Fedan makes.

You are DEEPLY INTERESTED in all these things!

They mean bigger profits for you. Write to me today and let's get busy! I can ship promptly NOW, but the demand may exceed the supply. Get ready for a big harvest. Get ready for a big harvest.

Edward P. Ross, Pres., Auto-Fedan Hay Press Co. 1514 West 12th, Kansas City, Mo.

Cow-Ease

KEEPS **FLIES OFF**

Cattle and Horses
d allows cows to feed in peace, making
e Milk and More Money for you,
ean, harmless liquid preparation, apwith a sprayer. Keeps cows in good
lition, and saves five times its cost in
a milk.

TRIAL OFFER

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

Satisfaction or Money Back.
CARPENTER.MORRTON CO.

BOSTON, MASS.

Floors, Furniture and Interior Woodward.

Floors. Furniture and Interior Woodwork Campbell's Varnish Stain

d colors, at Paint & Hardware Dealers Carpenter-Morton Co. Boston, Mass.

Big Surprise Package 2c

We have made up one thousand surprise packages which we are going to distribute among the first 1,000 readers of this paper who answer this advertisement.

Each package will contain at least three articles and one of these will be a book. The other two or more articles will constitute the surprise and will be something which we believe you will appreciate very much. We have a large assortment of miscellaneous goods and cannot say here just what will go in the package you receive—but we are quite sure you will say the three articles are EACH worth MORE than 10c. If you answer at once, sending 10c for a 3-months' subscription to our paper and 2c additional—just 12c in all—you will be receiving one of the big surprise packages for only 2c. Send 12c today. Address

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Baseball Suit and Outfit



Baseball Suit, Glove, Mitt, Mask, Ball, Cap and Belt for Every Boy Who W'll Write Us.

There are eight pieces in this fine cutfit. The suit consists of heavily padded pants, latest style shirt, cap and an extra good belt. Every piece is guaranteed full regulation league size.

Boys! If you want this complete BASE-BALL OUTFIT, send us your name and address today on the coupon below and we will tell you how you can get it en-tirely without cost to you.

FREE COUPON.

G. W. Carter, See'y, St. Paul, Minn.:
I would like to receive the basebalt suit and outfit complete you are giving away.



All matter contributed to this Column by Prof. Wheeler, Expert in Animal Husbandry Extension Service, of Kansas Agricultural College, Bears His Signature.

Cane Seed for Horses. What is the value of cane seed as a feed for brood mares that are worked on the farm? Would it have any feeding value mixed with ground Kafir and cottonseed meal?—J. E. R., Butler county, Kansas,

for mares that are worked as cracked Kafir. It is more or less bitter and not greatly relished by horses. Some bran should be mixed with the cracked Kafir for best results as it gives it more bulk and makes it a looser mass, thus presource from which to irrigate gardens. venting a tendency toward packing. Kafir A tank 16 by 16 by 4 will hold enough water to irrigate a good-sized garden. This would require about 30 sacks of This would require about 30 sacks of the sack 75 per cent, bran 20 per cent and oilmeal or cottonseed meal 5 per cent would make a very satisfactory ration for a work horse. I would suggest that you write to the Kansas Experiment station, Manhattan, Kan., for their publications on sorghum.

Dr. C. W. McCampbell.

Tankage In Hog Rations.

Which is the best feed for growing or fattening hogs—tankage or meat meal and how can either be fed most profitably?—A. D., Reno county, Kansas.

The terms tankage and meat meal

are used sometimes inter-changebly. One large packing house sells a product called meat meal which is guaranteed to contain 60 per cent protein, while another but had the privilege of the round-hinged large concern sells a tankage with the door, spaced 22 inches apart. We like the same guarantee as to protein. There is continuous door, as it makes it easy to a product in the market called meat meal which contains a smaller amount of protein, 46 per cent being the amount guaranteed here in Kansas. The lower grade of meat meal would not be worth as much per pound as the higher grade meat meal or tankage.

Here at the experiment station our most profitable results in the feeding of tankage or meat meal have been secured by feeding it in combination with corn meal and shorts, the ration being made up as follows: 62 pounds of corn meal, 30 pounds of shorts, and 8 pounds of tankage or meat meal. This mixture is wet at the time of feeding and feel is wet at the time of feeding and fed in troughs, giving the hogs only such amounts as they will clean up with a keen relish. A ration of this kind should produce a gain of 1½ pounds a day per head on good thrifty shoats. Where it is desired to feed the corn separately the tankage and shorts could be mixed up in a slop and fed in the troughs. In feeding it in this way the slop given should be calculated so that the hogs do not get to exceed ½ to % pound of the meat meal or tankage per hog. Some feeders give tankage dry, carefully distributing it on the clean feeding floor or in a trough. At the present prices of feeds the gains on a 150-pound shoat should be made at the rate of about \$5 to \$5.50 per 100 pounds.

G. C. Wheeler.

Building a Cement Tank

JUST A ONE-DAY JOB.

An everlasting water tank of cement is a possibility on every farm for it can dust. be built at a comparatively small cost Our 6 by 16 feet and 3 feet deep would Nevius system," developed by C. S. Neviserve the needs of about 60 head of us, Chiles, Kan. stock. To go about building one, excavate about 4 inches deep for the foundation. Put 1 or 2 inches of crushed rock improve the appearance of the tank when finished. It must be braced firmly inside and out. Then put in the mixture of sand and cement in the proportions cattle and horses look well. of 3 sand to 1 cement. Use Portland cement.

Pipe or Wire Reinforcing.

is not too coarse. For a tank of this permit. The Mail and Breeze and the size, it takes about 20 sacks of Capital have a welcome shelf in our

netting makes very good reinforcements, but gas pipes or iron rods would be better. The sides may be tamped a little to make them fill out the frame well. The sides of the tank should be about 6 inches thick at the bottom and 4 at the top. Make the outside perpendicular and the inside sloping. It should be 5 feet wide at the bottom and 5 feet 4 inches at the top. This will keep the cement from cracking when the water freezes.

Drain Pipe and Overflow.

After the sides have been made, fix the bottom. This should be made 2 inches thick without the crushed rock. Coat the tank with pure cement, mak-

or brood mares that are worked on the tarm? Would it have any feeding value alixed with ground Kaffr and cottonseed heal?—J. E. R., Butler county, Kansas.

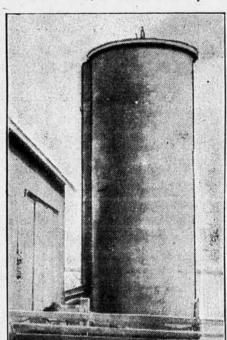
Cane seed is not as desirable a feed Make it a little lower at one end and put a 2-inch pipe through the wall at the bottom. This will be a help in cleaning. The overflow should also be placed at this end.

cement and could be made in one day by four men.

Another Silo With Tank on Top

Mr. Editor—I see by the Mail and Breeze Mr. Ingraham thinks he owns the only silo in the state with a water tank on top. I have a 14 to 45-foot concrete silo with a 4½-foot water tank above and a concrete roof and a concrete chute. Our silo has not a piece of wood in it; even the chute is of concrete. This gives it a very finished appearance, as well as strength.

We have the continuous or open door, continuous door, as it makes it easy to



Not a Stick of Wood in It.

get out the silage. When putting in the bottom of the tank no scaffolding was I-beams were put in and galvanized iron roofing rolled to a circle was placed between the I-beams, acting as a bridge to make the floor. The water pipe comes up on the inside of the silo, is boxed air tight and filled with saw-

Our silo is higher than all the other and three men can do the job handily buildings and makes as good a water in one day. Frost will not injure such a tank if it is made right. A tank water tank and all was built on "the us, Chiles, Kan.

I also want to report the success we have had with siloing shock corn. in the bottom. The frame for the side may be made from old lumber. The better this fits together the more it will better this fits together the more it will side may be made from old lumber. The better this fits together the more it will side may be made and side may be side may were late in getting our silo up, so we feeding out almost as good as any silage. It has fed twice the amount of stock the shock fodder would have fed, and all the

Wagstaff, Kan. John Downs.

The first thing I do after the paper The sand need not be screened if it comes is to look over it if time will G. W. CARTER, Sec'y, size, it takes about 20 sacks of Capital have a welcome shelf in our cement and 4 loads of sand. Wire home.—Rich Freeman, Washington, Kan.

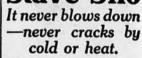
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In Catalog 951B—A postal brings it.

In Catalog 951 B - A postal brings it.

Schmelzer Grande: Kansas City, Missouri

Build a Cement Stave Silo



Never shrinks, swells, decays, corrodes nor burns,—
Never requires painting or repairing.—Made of cement staves 30 inches long, 10 inches wide, 2½ inches thick. Easy to construct and will last many lifetimes. Don't figure on a sile without first writing for full particulars.

Portland Stave Cement Silo Co., Wichita, Kansas

#35 Saddle for \$38 Cash

Our latest 1910
Swell Fork Saddle, 16-inch swell
front, 28-inch wool
lined skirt, 3-inch
stirrup leather, 34
rig, made of best
oak leather, guaranteed for ten
years; beef hide
covered solid steel
fork. The Fred Mueller

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It Pays to Wait.

One time my neighbor prayed for rain To fall upon his fields of grain, Said he: "More moisture in each field Would certainly increase the yield." That year abundant showers fell; My neighbor thought that all was well, But we raised such a heavy crop Of grain that prices took a drop!

Last year my neighbor held his peace, Quoth he: "I'll simply farm my lease, and let the weather take its course: I shall not try my crops to force. The summer brought us little rain And we each had light crops of grain, But he did well last year and I Did too, because the price was high.

Did too, decaded the pays a man

To try to change some earthly plan

To suit his own peculiar needs,
The sort of fellow who succeeds
Is he who does not rail at fate
But is content to work and wait,
Who hums a tune the while he sweats,
And thanks the Lord for what he get

—Howard C. Kegley.

Can Alfalfa Be Used in the Silo?

BY W. E. TAYLOR, Director Soil Culture Department, Deere & Co.

Is it practicable to put alfalfa in the solo? "Yes" and "no".

The best plan, and I think the only safe one, is to silo the last cutting of alfalfa, mixing it with corn. If the alfalfa is green, the corn should be somewhat dry, otherwise putrifaction is likely to take place, due to an excess of moisture. In case the corn is a little green, it is best to permit the alfalfa to wilt considerably before it is chopped up and

siloed. Usually the best results are obtained from a mixture of about 1 ton of green alfalfa to 3 tons of green corn fodder. It is perfectly feasible to silo cowpeas and soybeans with corn if precaution is taken to place them in the silo

when they are in the right condition. When filling have them thoroughly mixed with the corn and firmly packed. of the legumes with corn or the sorghums, in the silo, you can save practically all of their feeding value, save hedge. The hedge is better by 50 per much labor and provide either for summer or winter a well balanced succulent will turn cattle horses have and mer or winter a well balanced succulent will turn cattle, horses, hogs and ration. It is not practicable to silo pigs, any better and there are no legumes alone, but it is with corn or horses crippled by barb wire or stock sorghum.

Alfalfa in the green state contains an excessive amount of moisture. As silage it is apt to be slimy because of the action of putrifacting bacteria, and much is spoiled around the edges due to an absence of fermentation on account of absence of fermentation on account of loose packing. If, however, the silo is deep and thoroughly packed, the loss is greatly lessened. Also it is much less if the silage is run through an ensilage cutter, as in that condition it can be more firmly packed. The Colorado station found that ensilage made from whole alfalfa showed a loss of 10.7 per cent, while chopped alfalfa was damaged only 7.3 per cent.

aged only 7.3 per cent.

The advantage of preserving alfalfa in the silo is that the leaves are saved. Three-fifths of all the protein the plant contains is in the leaves. Forty-four pounds of the leaves contain as much protein as 100 pounds of stems. The leaves are richer than bran for feeding

purposes. If alfalfa is exposed to rain for 10 days or two weeks, as much as 40 per cent of the protein is lost and even one rain lessens its value. If, however, it is placed in the silo in the green state, the loss amounts to very little providing the siloing is properly done.

Why Girls Leave School

The idea that children leave school to The idea that children leave school to go to work, because their parents need the money, is vigorously combatted in a bulletin just issued by the United States bureau of education. The authors of the bulletin have made a careful study of trade and labor conditions among girls in Worcester, Mass., a factory town, proliminary to the establishment of a preliminary to the establishment of a trade school for girls. They find that from one-half to three-fourths of the girls at work in the factories could have had further schooling if they had wanted to or if their parents had cared to insist

The survey showed that the number of girls between 14 and 16 years of age who leave school is constantly increasing. In the opinion of the authors of the bulletin, the conditions found in Worcester emphasize the imperative need for energial training of a practical sort for special training of a practical sort for girls between the ages of 13 and 15. In the main the children left school sim-ply because they disliked the school work. Not getting the kind of training

they might have liked and would have profited by, they blindly joined the army of shifting, inefficient, discontented girls that go from one monotonous factory job to another, and, because of their lack of training, rarely rise above the class of low-paid, unskilled workers.

Bulletins You May Want

Any of the bulletins named in this list any of the bulletins named in this list
may be obtained free by writing to the
experiment stations at the addresses
given. Government bulletins also are
free and may be had by writing to the
Secretary of Agriculture, Washington,
D. C. In writing for the bulletins of a state in which you do not live it is customary to enclose a 2-cent stamp:

tomary to enclose a 2-cent stamp:

Alfalfa Inoculation Tests (No. 136), by C. W. Pugsley.—Nebraska Experiment Station, Lincoln, Neb.
Winter Barley (No. 518), by H. B. Derr.—
U. S. Department of Agriculture, Washington, D. C.
Ralsing Guinea Pigs (No. 525), by David E. Lantz.—U. S. Department of Agriculture, Washington, D. C.
The Fowl Tick (No. 170), by F. C. Bishopp.—U. S. Department of Agriculture, Washington, D. C.
Sudan Grass, a New Drouth-Resistant Hay Plant (No. 125), by C. V. Piper.—U. S. Department of Agriculture, Washington, D. C.
Stock Poisoning Due to Scarcity of Food (No. 536), by C. Dwight Marsh.—U. S. Department of Agriculture, Washington, D. C.
The Chinch Bug Situation in Kansas (No. 29), by G. A. Dean and J. W. McColloch.—Kansas Experiment Station, Manhattan, Kan.

Kan.

Important Poultry Diseases (No. 530), by D. E. Salmon.—U. S. Department of Agriculture, Washington, D. C.

Fitty Comomn Birds of Farm and Orchard (No. 513), by Henry W. Henshaw.—U. S. Department of Agriculture, Washington, D. C.

Can't Afford to Spare the Hedge

Mr. Editor-Who is the Kansas man who wants to know an easy way to kill his hedge? I would as soon de-stroy my orchard as to remove the best fence, windbreak, post and fuel timber killed by lightning.

My annual income from hedge posts ranges from \$50 to \$150 and we have plenty to spare of the best fire wood obtainable here. I admit that I cannot raise good corn right next to my hedge but I do not think it is an extravagance to have 30 acres of good timber on 720 acres of land.

H. C. Morgan. Leon, Kan.

Market Conference Report Out

The report of the first conference on marketing and farm credits held in Chicago, April 8-10, is now ready for distribution. It contains all the addresses presented and a complete stenographic report of the discussions. It is a most comprehensive presentation of the important questions connected with the marketing and distribution of farm crops, and the institution of a farm credit system. The book will be a splendid help to everyone interested in the subjects discussed and who is not? A copy may be obtained by sending \$1 to the Secretary of the First Conference on Marketing and Farm Credits, 1408 Steger building, Chicago.



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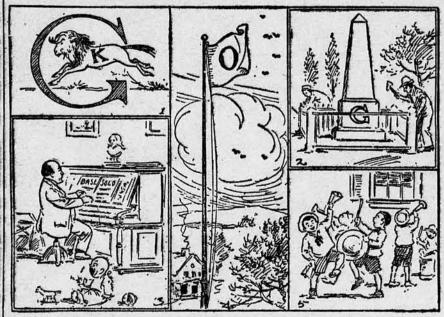
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A Puzzle For Mail and Breeze Boys and Girls

EVERY one of the five pictures represents a popular sport. For instance, No. 3 is very apparently intended to represent baseball. Can you tell what other games are indicated? A set of postcards for each of the 10 neatest solutions received by Saturday, June 14.



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To your solution attach your name and address, then mail to Farmers Mail and Breeze, Topeka, Kan., making sure to mark the lower left hand corner of the envelope "Sports" puzzle. ENCLOSE NO OTHER BUSINESS WITH YOUR SOLUTION. Prizes are awarded not only for your skill in solving the puzzle, but for the neatness, originality and general care taken in preparing the answers.



(Copyright 1913 by W. T. Foster.)

Washington, D. C., June 7 .- Last buletin gave forecasts of disturbance to occur in August and September as a cross continent June 4 to 8, warm wave general rule, but sometimes they come in July or October. For 1913 we are meridian 90 eastward this disturbance expecting the principal hurricanes in will cause severe weather with a probawill cause severe weather with a proba-



For Better Understanding of the Forecasts.) Broken lines separate map into eight great Valleys including the Northwest and Scuthwest, and Eastern Sections including the Lakes, the Northeast the Southeast weather districts, named North Pacific Slope, South Pacific Slope, Great Central and Washington. The dividing line bisecting St. Louis is meridian 90.

bility of heavy rains at some points on the gulf coasts. Unusually hot weather will prevail southeast of the low, or storm center, as it crosses continent, Dangerous storms are expected in great central valleys during the five days centering on June 7. Some showers in western sections during the five days centering on June 27 and in eastern sections centering on June 7. While some sections will get good showers first half June, others of large extent will have a deficiency of rain.

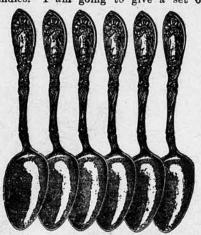
This disturbance will continue the severe storms, hot weather and drouth. These of course will cover only small portions of the country. The storm forces will be most severe west of meridian 90 and particularly on the Pacific coast but the forces of the preceding storm will be greatest east ALLEY FARMER BOLL TOPEKA, KAN ing storm will be greatest east of meridian 90.

Our No. 3 pamphlet, further explaining the forces of nature, causes of great storms and weather changes, is now ready for distribution and will be mailed free to all subscribers to the papers in which these bulletins are published. Enclose stamp and address Foster's Weather Bureau, Washington, D.

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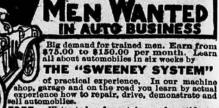


Next disturbance will reach Pacific these handsome spoons absolutely free, coast about June 9, cross Pacific slope postage paid, to all who send just \$1.00 by close of 10, great central valleys 11 to pay for a year's subscription to my to 13, eastern sections 14. Warm wave big farm weekly, The Farmers Mail will cross Pacific slope about June 3, and Breeze. Send your subscription order great central valleys 11 eastern sections at the latest the latest central valleys 11 eastern sections at the latest three latest central valleys 11 eastern sections at the latest three latest central valleys 11 eastern sections at the latest central valleys 12 eastern sections 22 easter great central valleys 11, eastern sections at once and secure a set of these beauti13. Cool wave will cross Pacific slope ful and serviceable spoons. State
about June 12, great central valleys 14, whether you are new or old subscriber.
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What Mail and Breeze Folks Say of the Mail and Breeze

Never at any time in its history has Farmers Mail and Breeze received so many letters of commendation from its readers as have come to it during the recent winter and this spring. It is impossible to print all of these letters, but it is cheering to know that, in the estimation of the writers, the Mail and Breeze is realizing its ambition to be the great agricultural paper of a great agricultural region. You cannot doubt the sincerity of such letters as these:

The Mail and Breeze is the best of all the farm papers and both Arthur Capper's and Tom McNeal's editorials and comments, in general, always are o, k. I wish you would keep urging that the government issue the money to pay for good roads and all improvements, letting the municipalities and states have it on their bonds at an interest rate that will just cover all expenses.

Mulberry, Kan.

I could not farm without the Breeze. Best farm paper I ever took.
R. 3, Kirwin, Kan. DAN FISK.

I think Farmers Mail and Breeze is the best farm paper published. At least I so consider it. Benton, Kan. HENRY J. KIPERS.

I am an old subscriber and think the Mail and Breeze fine. Would not do with-out it. MRS. M. A. BARNETT. Box 72, Brownell, Kan.

The Mail and Breeze is the best all round farm paper published.
Chester, Neb. GEORGE JEFFRIES.

I have taken the Mail and Breeze for many years and have been benefited very much thereby. Concordia, Kan. W. E. GREEN.

Concordia, Kan.

I think the Mail and Breeze is among the best of farm papers. It was printed in North Topeka when I first took it. I wish I knew how many years it has been since I became a subscriber. I did all I could to make Mr. Capper governor, but the way it panned out, I was glad he didn't get it. It would have been so little he could have done. I hope he may some day get it yet with a good working force to help him at the legislature.

Harveyville, Kan.

AARON COX.

Give Dirt Roads a Hard Center

Mr. Editor-In this, Harper county and I suspect in many other counties, the road making question is one of im-portance and the improvement is remarkable. But, they are never quite finished. As a rule when the work is thought to be complete there is a space of 8 or 10 feet in the center, the crown of the road, that is left so rough that travel takes to the side. Would it not be a good plan when the grading is done, the road rounded up into proper shape, to drag the center down smooth shape, to drag the center down smooth and then drive a wagon straight along the center of the road, making a track that the next comer would follow? Then when the driving formed ruts run a King when the driving formed turs turs and a drag over it and fill them up. In this way the top of the road would soon be the most solid, the track would be straight and not only pleasaster to drive over but far more sightly in appearance. Years ago we were admonished to "keep in the middle of the road." If

that meant our public highways it was blamed good advice. Bluff City, Kan.

James Glover.

Would Spend 3 Billions on Roads

By spending 3 billion dollars in the next 50 years for road construction and maintenance, Senator Jonathan Bourne, chairman of the committee of federal aid in the construction of post roads, declares 100 billion dollars can be added to the nation's wealth. His plan is to unite the nation and the states in a systematic plan of road improvement. He estimates the work of maintaining these highways would furnish steady employment for 400,000 persons except during ment for 400,000 persons except during the harvest season, when, the plan con-templates, they would be free to assist in farm work. Senator Bourne offers to mail a copy of his plan to anyone who writes him for it, care of the Senate office building, Washington, D. C. In a letter to the Farmers Mail and Breeze

he says:
"With city population increasing three times as fast as rural population, there is surely need to make farm life more attractive. No public undertaking will aid more in this direction than improvement of highways, for good roads de-stroy the isolation of country life and improve market opportunities."

Allen Jennings, Arkansas City, Kan., writes: "I have no idea of letting the Mail and Breeze stop as it is the best 1.60 farm paper I have ever seen. Enclosed 1.25 find \$1 to renew my subscription."



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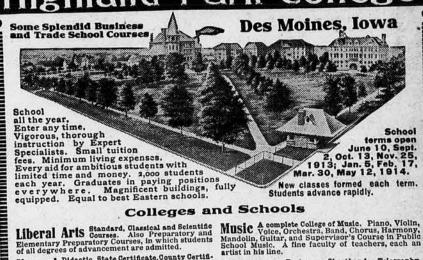
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REV. GEORGE P. MAGILL, D. D., Acting President, Des Moines, Iowa



FOLKS

Mabel E. Graves

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

How many readers of Mail and Breeze save the recipes from the paper? I do for one.—Mrs. E. J. Cetlett, Fletcher,

This isn't the time of year for farm women to take a vacation, but it is the time to plan for one. Remember that you're going to have one, that you must have one, even if it's nothing more than a week spent in a hammock under a tree while the children or a neighbor's daughter do the work.

An Atchison woman rather astonished her friends the other day by saying there was no need for that semi-annual, or annual upheaval known as house cleaning; that the use of a wall mop, vacuum cleaner and keeping one's k up, was all that was necessary, with the exception of washing windows.

Try Frying the Beans.

The California way of cooking green beans is to fry them for 15 minutes the same as you would potatoes, turning them often. At the end of that time pour boiling water over them, salt to suit the taste and cook 30 minutes longer. They are nice and tender, much better than when boiled a long time. Don't be skeptical as I was; just try
it once and you will never go back to
the old way.

Mrs. M. E. Bell.
Norcatur, Kan.

Beating the "Butcher Man".

Beating the "Butcher Man".

It is generally believed it is impossible to butcher in warm weather and keep the meat, but that is a mistake. Any sized hog can be killed here in Oklahoma and kept perfectly. If the weather is very warm butcher early in the morning. Cut meat in rather small pieces, bones and all, putting in a piece about what you would cook at one time. Wash perfectly clean. Have a kettle of clear boiling water, drop the pieces in one at a time and boil about 5 minutes, or till hot through. Have a clean jar or tub and pack in as fast as heat-

Good Qualities

large varieties and right prices are the three strong points that make the demand for Big Store's merchandise. You will always find what you need here whether your requirements are for serviceable or luxurious garments, fabrics or furnishings.

When you order by mail you will get as good merchandise and attentive service as when you come to the store to shop.

Remember our offer to refund railroad fare according to pur-chase, or pay express and parcels postion mail orders in Kansas.

THE MILLS DRY GOODS (O

Topeka, Kansas

If others enjoy the grouch let them. You don't have to be a fusser just because they are.

Think of the pleasant things in other you'll be surprised to find there are so many.

How many readers of Mail and Breeze

ed. When all is in cover with the proverbial brine that will hold up an egg, pouring it on hot. Weight the meat down to keep it under the brine. It will not get too salty. It is good to fry, boil or roast, and will keep, for we used it last summer and know whereof we speak.

Dover, Okla.

Mrs. D. S. Clark.

across. Lath will do for the long ones, with crosspieces to hold the lath 1½ or 2 inches from the bottom. Use glass jars, and if not new be sure to have perfect lids and new rubbers.

String Beans or Asparagus.

Prepare as for the table. Wash, cover with boiling water and boil about 10 minutes, then drain and cool. Fill the jars with the vegetables, then fill jars

Participation in government is just a question of patriotism, love of one's city, love of one's state, interest in our nation. Government is not alone a man's nor a woman's problem. It is their mutual problem. And only when women are given their share of responsibility in the solution of public questions will the affairs of government be brought into the home for discussion. -ARTHUR CAPPER.

till it thickens, then take from fire and add enough milk to make 2 gallons. If I have plenty of cream I use 1 quart of cream and the balance whole milk. Sweeten and flavor to suit taste, then pack with ice and salt and freeze. If the mixture is allowed to cool before packing it will take less ice. Putting the sugar in the milk before heating keeps the milk from scorching.

Holcomb, Kan. Mrs. J. N. H.



burlap or some other heavy mate-rial tacked close

for the annual meeting of the International Congress of Farm Women, which is to be held in Tulsa, Okla., in October. The display of home products is to be one of the big features of the congress, and most of the prizes have already been announced. They range from a cream separator, garden drill and kitchen cabinet to silver knives and forks, and other things women love. The kitchen cabinet is to be given for the kitchen cabinet is to be given for the short. and kitchen cabinet to silver knives and forks, and other things women love. The kitchen cabinet is to be given for the best bread on exhibition. Other prizes are to be for butter, pickles, cheese, woven baskets, and various other things. The farm woman who loves her home to be given for the best photographs of a farm home back yard. Those who are interested should write to the Head-

quarters for a premium list. Address Headquarters International Congress of Farm Women, Tulsa, Okla.

Ways of Canning Vegetables

BY MARY M. GIBBS.

I have found it very nice in winter to have a supply of canned vegetables, much more wholesome than any I could buy, and never have had any trouble to keep them from spoiling. Have the man of the house make a rack for the bot-tom of your wash boiler, about four strips lengthways and two or three across. Lath will do for the long ones,

whereof we speak.

Dover, Okla. Mrs. D. S. Clark.

Rule for Good Ice Cream.

[Prize Recipe.]

For 2 gallons of ice cream take 3 quarts of milk and 1 cup of sugar and place over fire to heat. Then take 3 tablespoonsful each of cornstarch and flour and mix with a small quantity of milk, also 6 or 8 eggs beaten very light. When milk is boiling add this mixture to the boiling milk and stir constantly

Participation in government is just a

with boiling water and boil about 10 minutes, then drain and cool. Fill the jars with the vegetables, then fill jars with toold water (previously boiled and cooled). Lay on the tops, stand the jars in the wash boiler on the rack and surround with cold water half way to the boiling point and boil continuously for 1½ hours. Scald the rubbers, lift one jar at a time, adjust the rubber and screw down the lid. Don't touch the lid to anything. Better leave it in the boiler on the tops of two other jars, inside down to the steam, so it will be clean and hot. The lids are to be put on at the end of an hour and the jars put back and the boiling continued for put back and the boiling continued for 30 minutes.

Peas and Young Lima Beans.

Fill the jars full with the peas or, beans (not previously scalded), and finish the same as string beans, only boil continuously for 21/2 hours. Put on the rubbers and fasten down the lids at the end of two hours and continue boiling for 30 minutes. Be sure to keep them boiling all the time.

Makes a Fancy Bed Quilt.

Take apron gingham checked in halfinch squares, any color, blue, brown or green, and sew together as large as your quilt is to be. Get a spool of No. 8 cotton thread and cross stitch a pat-tern either in blocks or stripes, or in diagonal stripes from corner to corner. Cross stitch a stripe of four checks, then miss two or three checks, then cross stitch another stripe. This makes a serviceable quilt. Or by getting white checked dimity and using delicately tinted silko the result will be very pretty and deinty. Shame could very pretty and dainty. Shams could be made to match. Belleville, Kan. Mrs. M. M. S.

Dressmaking Lessons Free

Complete Illustrated Course of Lesons Given to Women Readers of This Paper for a Short Time Only.

two thicknesses of burlap or some other heavy material tacked close with carpet tacks. Then take a pan with a small hole in the bottom, fill with water and secon the box. As soon as the burlap is set in the sun and wind it will stay cooler than in a still, shady place, as long as the covering is damp. Try this for your butter, milk, and fresh and cooked vegetables. I know you will be pleased. Mrs. Charles D. Thompson.

Prizes for Farm Women.

Preparations are already being made for the annual meeting of the International Congress of Farm Women, which is to be held in Tulsa, Okla., in October. The display of home products is to be one of the big features of the congress, and most of the prizes have already been announced. They range from a cream separator, garden drill and kitchen cabinet to silver knives and



I Was ONCE. I Reduced

I was Fat, Uncomfortable, Looked Old, Felt Miserable, suffered with Rheumatism, Asthma, Neuralgia. When I worked or walked, I puffed like a Porpoise. I took every advertised medicine I could find. I Starved, Sweated, Exercised, Doctored and changed climate but I ruined my digestion, felt like an invalid but steadily gained weight. There was not a single plan or drug that I heard of that I did not try. I failed to reduce my weight. I dropped society, as I did not care to be the butt of all the Jokes. It was embarrassing to have my friends tell me I was getting Stout, as no one knew it better than myself.

SOMETHING HAD TO BE DONE

I began to study the cause of FAT. When I discovered the cause I found the remedy. The French Method gave me an insight. I improved on that. Removed the objectionable features, added more pleasant ones, and then I tried my plan on myself for a week. It worked like magic. I could have

SCREAMED WITH JOY

at the end of the first week when the scales told me I had lost ten pounds by my simple, easy, harm-less, Drugless Method. It was a pleasure then to continue until I regained my normal self in size. I feel fifteen years younger. I look fifteen years younger. My Double Chin has entirely disappeared. I can walk or work now. I can elimb a mountain. I am normal in size. I can weigh just what I want to weigh. I zem master of my own body now. I did not starve, but eat all I wanted to, I did not take Sweat Baths. I did not Drug. I used no Electricity, or harmful exercises, but I found the Simple, Sane Common Sense WAY of reducing my weight and I applied it. I have tried it on others. My Doctor says I am a perfect picture of health now. I am no longer ailing. I am now a happy, healthy woman. Now I am going to help others to be happy. I have written a book on the subject. If you are fat, I want you to have it. It will tell you all about my Harmless, Drugless Method. To all who send me their name and address I mail it FREE, as long as the present supply lasts. It will save you Money, Save you from Harmful Drugs, Save you from Starvation Diets, Harmful Exercises, possibly save YOUR LIFE. It is yours for the asking without a penny. Just send your name and address. A Postal Card will do and I'll be glad to send it so that you can quickly learn how to reduce yourself and be as happy as I am. Write today as this advertisement may not appear again in this paper.

Grind Your Coffee At Home-

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

The Crystal A Sanitary Coffee Mill

Keeps your coffee in an air-tight glass hopper, free from dust and deterioration. A turn of the crank and the coffee with all its delicious flavor intact goes into the pot.

Slip your remittance in an envelope and the Parcel Postman will place one in your hands by return mail.

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

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

SONG POEMS WANTED

IN MOST THE STOREGY SHEET, SHEET, STOREGY STY

SOURCE THE STOREGY SHEET, SHEET, SHEET, STY

SOURCE THE STOREGY SHEET, SHEET, STREET, STREET

Beautiful 7- Color COLORADO Scenic Post Cards

We now have ready for distribution a series of 36 of the most gorgeous scenic post cards ever printed. These cards are made direct of 36 of the most gorgeous scenic post cards ever printed. These cards are made direct from photographs covering all the most important points of interest in Colorado—Mountains, Peaks, Lakes, Valleys, Mines, famous buildings and places—practically every scenic spot of greatest interest is included in this wonderful series of post card views. The cards are printed on finest stock in from five to seven colors producing the most beautiful effect imaginable. These cards have an educational as well as artistic value as they provide true-to-life illustrations of the most-talked-of points throughout this mountain wonderland. Get a complete set for your album or collection, another set to mail to your friends—36 different views.

BARGAIN OFFER, These cards would ordinarily retail at 2 for 5 cents, and they are worth it, too. We are wholesale distributors and just to get these beautiful cards introduced in all parts of the country we will for a limited time send postpaid 12 all different colorado View Cards, for only 10 cents, or 36 all different for 25 cents. Send your order today—Stamps or coin. Address.

COLORADO SELLING CO., 1624 Seventeenth St., Denver, Colo.



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

No. 6067, Ladies' Dress, is made with a four-gore skirt. For summer wear the high collar can be omitted and a bit of lace put across the front. The pattern is cut in five sizes, 34 to 42 inches bust measure. Size 36 re-



in five sizes, 22 to 30 inches waist measure. Medium size requires 234 yards of 50-inch material.

USE	THIS	COUPON	FOR	PATT	ERN
		ORDE	19105		
par	tment,	Man.			
for y	ar Sir- which	Enclosed send me	the fol	lowing	pat
terns Pa	ttern N	10	. Size.		

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

R. F. D. or St. No......BE SURE TO GIVE NUMBER AND SIZE,

Rule for Dill Pickles.

In answer to a request from a reader I will send my mother's dill pickle recipes: Take small cucumbers, wash, and to a gallon add a handful of salt. Pour boiling water over them and let stand over night. The next morning boiling vinegar (good cider vinegar) pecially like the Home Department, and over them, then seal the jars tight, and thought I would send you a few hints in a few days you will have good dill that have helped me.

ways remain nice and crisp.

Dill Pickles No. 2.—Take ripe cucumbers, not over ripe, pare and quarter, and scrape out the seeds with a spoon.

Put the cucumbers into a jar, and for a gallon put in ½ cup salt. Cover and let stand over night. In the morning drain and wipe dry with a clean cloth.

Pack into fruit jars and to a half-gallon of the cucumbers add three clusters be run out again. lon of the cucumbers add three clusters be run out again.

of dill, a tablespoonful of mustard seed,

and a fore cucumbers add three clusters be run out again.

Mrs. Harvey Mitchell. and a few onions. Pour cold vinegar

over them, and seal. They will also keep quite a while in a stone jar if a bag of mustard seeds and a layer of dill are put on top, and then a weight

Gilead, Neb. Anna Vorderstrasse.

Some Little Things That Help.

What we housekeepers need is to use our brains a little more—study out a plan to reduce our daily tasks to a minimum number of steps and motions. This may be accomplished largely by a convenient and systematic arrangement of kitchen furniture and utensils, giving prominence to those articles most frequently used. Then we need to make our hands and feet co-operate with our heads; in other words, have a system. How many housekeepers have their

salt and pepper for seasoning in pantry or kitchen cabinet, several yards away from the stove, when they might much more conveniently be kept in the warming closet of range or on top of the

How many dip water from a pail into the tea kettle with a small tin cup when they might just as well use a quart or half-gallon dipper?

How many when canning fruit fill up their jars with a tablespoon instead of using a can funnel and a half-pint ladle or dipper?

How many have worked themselves into a nervous fit of worry because the stove would not bake, when perhaps it had not been properly cleaned out for six months? Understand me, I am not speaking now of a wornout stove or a poor chimney draft. Life is too short to be wasted in such unnecessary vexations.

How many have no fit paring knives, and have their carving knives and seissors so dull they would put to a test the patience of Job? I always keep conveniently at hand a coarse and a fine whetstone, and if necessary use a grindstone. They serve the purpose far better than a crock or stove pipe.

Mrs. Theo Hartman.

A Rug From Gunny Sacks. [Prize Letter.]

How many women know what pretty rugs can be made out of gunny sacks? quires 6 yards of 36-inch material and I wash the sacks and color them. A 5-8 yard of 22 inch all-over lace.

Girls' Dress No. 6036 is cut in sizes green makes a lovely rug. I make a green makes a lovely rug. I make a green makes a lovely rug. I make a requires 6.8 yard of 22 inch all-over lace. Girls' Dress No. 6036 is cut in sizes green makes a lovely rug. I make a 6, 8, 10, 12 years. Age 8 requires foundation piece 24 by 36 inches, ravel it out on sides and ends, then take a few threads at a time and tie into knots.



Rug may be any pattern.

This makes a fringe. Take a strip of red and a strip of green, each 4 inches wide and as long as the sack is, and ravel out 1½ inches on each side, which leaves 1 inch in the middle. Lay the two colors together, double the strip lengthways and sew on your rug. Repeat this operation until rug foundation is covered, sewing the pieces on so the fringe always lies to the outside. You can make any pattern you wish.

Pearl Bacon. Achilles, Kan.

Knows the Ways of Boys.

Farmers Mail and Breeze is being drain, and put into fruit jars with sent to my husband for a few months clusters of dill mixed between. Pour and we all enjoy it very much. I es-

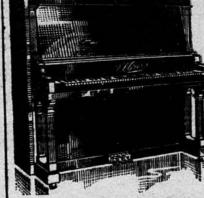
pickles to eat. For a change we put a few onions in some, and in others lay a pin across the top of the button mixed spices and mustard seed. These pickles will keep a long time and always remain nice and crisp.

Dill Pickles No. 2.—Take rise

R. 4, Geneva, N. Y.

Dependable Pianos

They Pay!



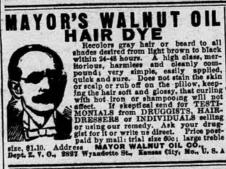
Amarillo, Tex.
shape and think it is finest tone I ever
know I have the best piano in Amarillo. I
pleased with it. Thanking you for past
T. B. BURTON.

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

Steinway, Vose, Kurtzmann, Elburn

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

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



Beautiful Narcissus O Silver Tablespoons

To Match Our Teaspoons

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

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

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

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

These are not small sized dessert spoons which are usually offered as premiums. These spoons are all full standard table spoon size, 8% inches long—handle 5% inches long, bowl 3 inches long and 1% inches wide. They are silver plated and handsomely engraved and embossed in the beautiful Narcissus design, same as the Narcissus teaspoons which we have been giving away for more than two years. Bowl is highly polished and the handle finished in the popular French gray style. The Narcissus design extends the full length of the handle on both sides. The gray finish of the handle contrasts with the bright polished bowl and produces an effect that is decidedly pleasing.

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

Here Is Our Offer:

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

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

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

FARMERS MAIL AND BREEZE, TOPEKA, KANSAS.

Use This Coupon Now!

Publisher Mail and Breeze, Topeka, Kansas. Publisher Mail and Breez.

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

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

Name.....

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



FARMERS CLASSIFIED PAGE.

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

HORSES, CATTLE, HOGS, SHEEP.

REGISTERED Hampshire pigs \$10.00 each. Frank Franklin and Sons, Vinita, Okla.

FOR SALE—Yearling Poland China boar. Big strain. \$30.00 buys him. Recorded. Adam Andrew, Girard, Kan.

FOR SALE—One strictly good recorded 2-year-old Hereford bull, wt. 1,500. Price \$125. G. G. Dick, La Harpe, Kan.

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

SALE OR TRADE for draft mares or Shetland ponies, Spanish jack 5 yrs., 10 jennets all blacks but one, good ones. Phil Simmons, Elmdale, Kan.

CATTLE FOR SALE.

We have several thousand head of southern cattle on our ranch here for sale at right prices; all above the quarantine line and can be shipped to any points without delay or dipping. Will sell in single car lots or more, any class or age at the following prices: Cows, at \$22.00 per head; 1 and 2 year old heifers at \$22.50; 3 year old steers at \$31.00; 1 and 2 year old steers at \$31.00; 1 and 2 year old steers at \$23. We must sell the larger part of these cattle this month, as we have more cattle than grass and the dry weather has cut us short on feed. Can show cattle in a short ride from station and will meet buyers at station any time. The above prices are loaded on the cars, no other expense. Write or wire us. Miller Brothers, Bliss, Okla.

DOGS

SPITZ PUPS and old dogs. A T. Garman, Courtland, Kan.

SCOTCH COLLIES. Western Home Ken-nels, St. John, Kan.

CHOICE Scotch collie pups. Prices right. E. J. Barnes, Geneva, Neb.

TWO thoroughbred Scotch collie bitches for sale. W. H. Smee, Zurich, Kan.

FOR SALE—Scotch collie pups. Sable & White Stock Farm, U. A. Gore, Seward, Kan.

WOLF DOGS, pure bred stag hound pups ne 2 yr. bitch. Phil Simmons, Elmdale

SEEDS AND NURSERIES.

COW PEAS—Ask Pittman & Harrison Co. Claremore, Okla.

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

WHITE PEARL seed corn, choice, carefully selected and tested seed. W. A. Hunter, Manhattan, Kan.

NANCY HALL or dooly slips, one thousand or less two fifty per thousand; five thousand or more, one fifty. S. J. Armstrong, Ada, Okla.

IMPROVED Blackeyed seed peas. Hand threshed and cleaned. 6 cents per pound, sacked, f, o. b. Mill Creek, Okla. W. J. Rogers, Connerville, Okla.

FOR SALE—Prunes good size and quality 4c per pound, shipped in 100 pound sacks. Freight will cost \$2.40 per 100 pounds to every state. Alex Marolf, St. Helena, Cal.

WE NOW HAVE about 5,000 bushels of fine Whippoorwill cow peas that show excellent germination. We will make farmers in Kansas and Missouri price of \$2.75 per bushel, sacked, freight prepaid, in 5 or 10 bushel lots or more. Good cow peas are scarce. We refer you to any bank in Ft. Scott. Let us hear from you. Brooks Wholesale Co., Ft. Scott, Kan.

FARM LANDS

IMPROVED FARMS south east K Address Wm. Stephens, Oswego, Kan.

WRITE for new illustrated catalog of New York state farms located in St. Lawrence county, the leading dairy county of the United States, Russell, Real Estate, Ogdens-burg, N. Y.

\$5,500.00 MORTGAGE note, 6% interest, and \$13,500 equity in well improved north Missouri farm, 208 acres. Want to trade for clear land in eastern Kansas or north Missouri. B. V. Gill, Chillicothe, Mo.

IF TAKEN SOON a 320 farm goes at \$14,000 including crop, or \$12,500 exclusive of crop. Good land, good improvements, good water, three miles to town, Liberal terms. Address Arthur Baird, Tonkawa, Okla.

FARMERS WANTED — Finest farming section in United States. Ideal climate. Soils adapted to diversified crops. Opportunities for truckers, live stock breeders and poultrymen. Educational facilities unexcelled. Chamber of Commerce, Rock Hill. S. C.

LANDS.

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

FOR irrigated farms or city property, write D. H. Stewart Realty Co., Idaho Falls, Idaho.

GOOD unimproved 160 on west line of Pawnee Co., Kan. Address Owner, Box 662, Larned, Kan.

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

FOR SALE—Terms. 2 fine improved tructs. 20 acres Atlanta; 2½ acres Winfield, Kan. Good rental, Save commission. Owner, Frank King, Atlanta, Kan.

DELAWARE, the diamond state. New booklet; unusual opportunities; ideal homes. Fruit, or diversified farming. State Board of Agriculture, Dover, Del. 640 ACRES Saline river valley land. Improved, \$20,000. Encumbrance \$3,200. What have you? Western Kansas land preferred. Geo. Lochrie, Gifford, Arkansas.

FOR SALE—80 acres in Norton Co., Kan., 2 ml. east of Clayton. 60 acres in cultiva-tion, good well. Price \$1,000 cash or on time. Address Box 253, Belleville, Kan.

5,000 ACRES \$5 timber land southwest Missouri. Will be on lake formed by dam across White river. 220-acre farm \$4,500. J. W. Blankenship, Hollister, Mo.

NORTH LOUISIANA lands. 720 acre farm, well improved, two miles from Ry. town, \$11 per acre. Write for list, and prices. Langford Realty Co., Ruston, La.

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

TEXAS PANHANDLE, Hansford county. 640 acres magnificent, level, prairie upland. All tillable. 200 acres cultivated. Very rich, chocolate, sticky soil. Splendid for wheat, oats, corn, milo malze, sorghum. Three room house, barn, well, windmill. Well worth \$12.50 per acre. Will sell at \$8.50 per acre. One-third cash. H. G. Damon, owner, Corsicana. Texas.

NOTICE OF SALE OF REAL ESTATE—
The undersigned will receive sealed bids for The South half of the North East quarter of the South West Quarter (120 acres), also the North West Quarter of the South West Quarter of the South West Quarter (40 acres) all in Section Two (2) Township Thirteen (13), Range Twenty-one (21), except four acres in the North West corner of said quarter section, being in the aggregate 156 acres more or less in Johnson County, Kansas. Also about thirty-three (33) acres of land adjacent to the above described land in Douglass County, Kansas. The above described real estate will be sold to the highest bidder for cash. All bids should be addressed to William H. Brune, Ocheltree, Kansas, A deposit of ten per cent of the purchase price will be required when the bid of the purchaser is accepted. The above 189 acres is good farm land two miles East of Eudora, Kansas, and is in a splendid German settlement. Possession can be had to put in a fall crop and full possession on the 1st of March, 1914. All bids must be received on or before the 18th day of June, 1913. I reserve the right to reject any or all bids. William Brune, Ocheltree, Kansas.

REAL ESTATE FOR SALE.

BUY DENVER PROPERTY NOW. We have some wonderfully attractive income paying properties that can be bought at money making prices. Let us know how large a property you would consider, either business, residence, or farms and we will send particulars. Write us. Lyons & Johnson, Denver, Colo.

FARMS WANTED.

FARMS wanted at the Farmers' Land Mar-ket. What have you for sale? Address 323 Mermod-Jaccard bldg., St. Louis.

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

NEW YORK STATE FARMS,

SEVENTEEN THOUSAND buys 275 acres. Fifty choice Holstein cows, worth five thousand. Buildings worth ten thousand. Fodder, tools. Milk averages over six thousand yearly. Easy terms. Free catalogue. Farmers Bank, Springville, N. Y.

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

FOR SALE.

BALED HAY and hedge posts for sale. P. Ludvickson & Co., Severy, Kan.

LIVERY BARN and stock for sale. F particulars write Box 212, Richmond, Kan.

FOR SALE—Twenty horse Russel engine, Reeves separator \$600.00. John Z. Thomas, Olivet, Kan.

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

SIXTY DOLLAR Edison phonograph, good as new; 24 records; complete forty dollars. C. A. Bolster, Grainfield, Kan.

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

FOR SALE OR EXCHANGE,

FOR SALE OR TRADE—2 good jacks. O. Drenning, New Cambria, Kan.

LIST YOUR TRADES. Give complete description first letter. Frank King, Atlanta,

LIST YOUR EXCHANGES with us. List them at just what they are worth. Say what you want and where. Boyer & Co., 306 Com-merce Bldg., Kansas City, Mo.

RENTAL property—For trade, \$4,000 to \$5,000 good rental property, Amarillo, Tex., for clean shoe stock. S. D. Pickering, Robinson Arcade bldg., Tulsa, Okla.

TO TRADE for merchandise; 320 acres land in Gove and Scott Co., Kan., ½ in cult.; 2 sets of improvements. Price \$17.50 per acre. Also 7 head of 1s' class live stock, buggy, wagon, harness and few implements. Want to deal with owner direct. Hoyt A. Linton, Oronoque, Kan.

HELP WANTED.

GOVERNMENT positions open to men and omen. Big pay. List of positions free. rite immediately. Franklin Institute, Dep't 53, Rochester, N. Y.

SONG POEMS WANTED. New plan. Big money. Past experience unnecessary. Send poems or melodies. Free book and advice, Hayworth Music Co., 660 G, Washington, D. C.

MEN AND WOMEN wanted for government positions. \$60 to \$100 month to commence. Vacations. Steady work. Over 12,000 appointments this year. Parcel post requires several thousand. Influence unnecessary. Write immediately for free list of positions. Franklin Institute, Dep't O 53, Rochester, N. Y.

MALE HELP WANTED.

WANTED—Postal clerks—Mail carriers, \$65.00 month to commence. Apply immediately. Franklin Institute, Dep't O 53, Rochester, N. Y.

\$15 TO \$45 per week. Chauffeurs and repair men secure steady employment. Let us tell you how. Denver Auto School, 768 Broadway, Denver, Colo.

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

WANTED—Postal clerk-carriers, postmas-ters, railway mail clerks, rural carriers, in-ternal revenue clerks. Trial examination free. Write Ozment, 38, St. Louis.

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

4TH CLASS postmaster positions now open to all. Examinations everywhere may be called any time. Full description of exam-inations free. Franklin Institute, Dep't P 51, Rochester, N. Y.

LEARN AUCTIONEERING. Make an auctioneer, don't pay a big price. My book tells you, all there is to tell about how to be an auctioneer, gives all pointers needed, for a few days only \$1. Send to H. A. Miner, Zwolle, La.

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

CHICKEN PERCH.

THE NATIONAL MEDICATED chicken perch, the great eliminator of mites, lice and practically all disease. Shaffer & Company, Minneapolis, Kan.

AGENTS WANTED.

AGENTS. Our specialty sells on sight. Every family needs it. Send for free par-ticulars. The Industrial Products Co., To-peka, Kan.

TO SELL our high grade nursery stock good wages paid, references required. Address Nurseries, 2131 Nth. Lawrence Ave., Wichita, Kan.

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

YOUNG MAN, would you accept and wear a fine tailor made suit just for showing it to your friends? Or a Slip-on Raincoat Free? Could you use \$5 a day for a little spare time? Perhaps we can offer you a steady job? Write at once and get beautiful samples, styles and this wonderful offer. Banner Tailoring Company, Dept. 358, Chicago.

SALESMEN WANTED.

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

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

LIGHTNING RODS.

ROD your own buildings. Any number of feet at wholesale prices. Harvey Kinzie, Hiawatha, Kan.

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

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

MISCELLANEOUS.

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

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

TUITION may be paid out of earnings after course is completed. Dougherty's Busi-ness College, Topeka, Kan.

HAND and Pony Hay Presses, lowest priced, high class and capacity balers on market. W. H. Stopple, Mfgr., Dallas, Tex.

LADIES, send 2 dimes for family needle case. (115 assorted sewing needles). Agents wanted. O. K. Novelty Co., Manhattan, Kan. KODAK ROLLS developed 10c. Pictures finished "in Squeegee gloss" 2c. "We make em Shine." Lum Fleming, Box 771, Dal-las, Tex.

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

BIG MONEY on small capital, in the mov-ng picture business. I furnish a complete outfit and teach you everything. J. H. Leonard, 222 Temple Block, Kansas City,

WANTED — A hay-corn-alfalfa farmer, with four thousand dollars or more to take half interest, live on and manage a six hundred acre bottom farm. F. Babcock, Ft. Smith, Ark.

NEW marvelous mildew, ink, iron rust, fruit, medicine, and all stain, remover. Whitens silk, linen, etc. Harmless. Guaranteed. 25c cash postpaid. Agents wanted. Slater & Co., 1123 Broadway, New York.

POULTRY MAGAZINE—Big 40 to 80 page illustrated magazine of practical, common sense chicken talk. Tells how to get most in pleasure and profit from poultry raising. 4 months on trial only 10c. Poultry Culture, 904 Jackson, Topeka, Kan.

RED ANTS spoil lawns, destroy alfalfa, poison ground, sting children, kill young poultry—I have a trap which will catch and hold them—they can not escape—give it a trial and you will be satisfied. Directions with each catcher. Price \$1.25 each; 6 to one address \$7.00. E. Blasdel, Enid, Okla.

The Farmers' Union, without doubt the biggest farmers' organization in this country, is giving its support and encouragement to boys' corn clubs, C. C. Wright, chairman of the Union's National Educational committee, recently sent out a circular letter to members of the move union urging them to give the move union directly to the farmer. Realtions along agricultural lines."

C. D. Steiner, supervisor of the Boys' and Girls' clubs in Kansas, for the agricultural college, is much pleased with this broad-gauged attitude of the Union, and trust the boys will be of great help in making the union urging them of the wonderful possibilities was personal and graph and Girls' clubs in Kansas, for the agricultural lines."

MARKET PROBABILITIES

Depression Still Rules the Cattle Market With Dry Weather and Shorter Pastures Partly Responsible-Hogs Showing Strength and 9-Cent Levels Are Within Reach-Adverse Condition of Growing Wheat is Boosting Old Crop Prices

(Written Specially for Farmers Mail and Breeze.)

Chicago reported liberal susplies of cattle Monday with prices weak were modived. And prices were steady to transfer the Monday with prices were steady to remove and prices were steady to transfer the modive and prices were steady to strong. Likelit weight cattle were in best demand. Likelit weight cattle were in best demand. There is still nothing very cheerful to report concerning the cattle was to the control of the concerning the cattle was to the control of the

Butcher Cattle Greening Up.

Butcher Cattle Greening Up.

As the season for grass advances, cow stuff is showing more greenness, and prices per pound are slowly receding The dry lot class on the other hand are getting scarcer, and prices are firm. Most of the cows are selling at \$5.25 to \$6.50 and some choice fed cows \$7 to \$7.50. About the same conditions preyail on helfers, except that the dry lot baby beef class are the market leaders and selling readily. Prime helfers are bring ing \$8 to \$8.50, and steers and helfers mixed a shade better. The calf market at present is firm but at any time a wave of dairy calves is liable to citcloose and send prices down. Bulls are selling at good prices, but as grass sap increases they will sell lower.

Thin Cattle Sell Well.

Thin Cattle Sell Well.

The market for stockers and feeders continues active. Prices rule between \$7 to \$7.85, possibly \$8. In the past three weeks cattle have taken on a grass fill and that considered are as high now as they were a month ago. It is harder to buy thin cattle than fat cattle, and that condition will have to be readjusted within the next month. Traders see no reason for stockers and feeders and especially breeding stock, reaching a bargain counter this season.

Profitable Deal in Baby Beef.

Profitable Deal in Baby Beef.

Henry A. Schacht of Loraine, Kan., tried an experiment last winter with calves, and according to his own figures they netted him \$35 a head. Forty-three head cleared \$1,505. This is the process: Last fall the calves were bought at weaning time when they averaged 300 peunds. They were put in a dry lot and fed silage and alfalfa hay until February 1. After that they had corn and alfalfa and were topped off with oats and alfalfa. On May 13 they sold in Kansas City at \$8.25 and averaged 782 pounds. They would have been a year old June 1. The purchase price was \$20 and selling price \$64.51. The alfalfa and silage gave them size and the grain later added the fat properly. Mr. Schicht says he undertook this feeding as an experiment and to him this test proves that the silo and young cattle are the things for the western feeder.

The Movement of Livestock.

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

Cattle

Kansas City

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

Wheat

ern markets last and a year ago: Cattle Kansas City 23,775 Chicago 50,000 Omaha 13,300 St. Louis 16,100 St. Joseph 4,950	Hogs 51,275 120,000 66,000 57,800 28,400	Sheep 42,025 83,500 20,100 19,000 14,200
Total 107,025 Preceding week 104,600 Year ago 93,175	323,475 332,900 385,700	178,825 169,900 153,200

Month's Livestock Receipts,

Receipts of livestock last month at west-ern markets were about as expected. The Chicago cattle supply decreased about 40,000. All points except St. Louis showed a decrease in hogs, and all markets slight increases in sheep. The following figures show receipts for May and the five months this year and last year.

last year.

CATT	Lilli.	
Ansas City hicago maha t. Louis t. Joseph	ay, 1913. 105,500 227,000 62,500 56,000 26,400	May, 1912 101,775 267,500 59,250 54,600 31,000
Totals	477,400	514,025
но	GS.	
	Tay, 1913. 228,750 548,000 247,500 222,900 158,500	May, 1912 233,360 630,000 303,300 215,500 177,450
Total		1,559,610
SHE	EP.	
Kansas City Chicago Omaha St. Louis St. Joseph	fay, 1913, 190,300 353,000 112,000 81,000 40,600	May, 1912 181,100 321,500 89,300 72,650 39,400

Omaha	112,000 81,000 40,600	89,300 72,650 39,400
Total	776,900	703,950
CAT	TLE.	Five months
Kansas City1, Chicago1, Omaha	months, 1913 555,300 200,000 368,100 323,200 176,800	1912 599,350 1,394,400 380,550 277,250 192,500
Total	723,400 OGS,	2,844,050
	months, 1913 076,100 120,000 220,000 108,700	Five months 1912 1,235,075 3,523,800 1,563,400 1,189,850 965,700
		0 477 705

8.477.725

SHEEP.

Five months, Five months, 1913

1912

Kansas City 842,400 916,950
Chicago 1,837,000 2,052,150
Omaha 867,000 836,800
St. Louis 299,500 355,000
St. Joseph 361,800 313,400

Totals 4,207,700 4,474,300

The following table shows receipts of cattle, hogs and sheep at the five western markets Monday, June 2, together

at \$4 to 8.50, stockers and feeders \$7 to \$8, calves \$6 to \$10, bulls \$4.50 to \$7.50.

Saturday hog prices were the highest of the month, and 20 to 25 cents higher than at the close of the preceding week.

The net gain for the month was 25 to 30 cents, and a swing up from the low level of 40 to 50 cents. The top price Saturday was \$8.77\footnote{1.50}.

The following table shows the range in prices of hogs last week and in the preceding week:

Last week Preceding wk.

The following table shows receipts of cattle, hogs and sheep at the five western markets Monday, June 2, together with totals a week ago, and a year ago:

Kansas City Chicago Omaha St. Louis St. Joseph	Cattle	Hogs	Sheep
	8,000	9,000	9,000
	23,000	50,000	22,000
	2,800	12,000	3,800
	3,500	12,000	5,500
	1,400	7,000	1,000
Totals	41,300	90,000 64,300 54,800	41,30 45,50 45,00

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

Summer Dullness in Horses.

The dull season is beginning to take possession of the horse and mule market. Last week prices were quoted off \$5 to \$10 a head, and receipts and demand both were small. Such a condition, however, is normal for this season of the year, and the market usually reaches into dullest period in July and early August. With prospects good for a large crop of cotton, southern demand will probably revive late in August.

Adverse Crop News Fer Wheat.

Adverse Crop News Fer Wheat.

Within the past 10 days continued dry weather in southwest Kansas and northwest Oklahoma has become serious. Wheat in those sections is deteriorating rapidly and some has been plowed under. Such a condition naturally effected future prices and that in turn caused a rise in cash prices. Cash prices last week were up 2 to 3 cents a bushel, the principal rise being on hard wheat. Corn prices fluctuated 2 to 3 cents and were not unchanged at the close. Dry conditions stimulated the demand for oats. New alfalfa is moving freely, principally from Oklahoma. Prices were lowered \$1 a ton. Old alfalfa and prairle hay were off 50 cents to \$1 a ton.

The following prices prevail for grain in Kansas City and St. Louis:

\$5.50, stockers and Indian steers \$5.75 to \$7.15. The was and Indian cows and helfers \$4 to \$7, calves \$5 to \$10, and bulls \$4.50 to \$7, calves \$5 to \$3.0, an bulls \$4.50 to \$7, calves \$5 to \$8.00, an oat pain for last week of 20 cents, and a gain over last week of 20 cents. Demand has been active and the tone of the market is good.

Spring lambs are quoted at \$7.50 to \$8.75, clipped lambs \$7 to \$7.65, and muttons \$5 to \$6. The general market retained a steady position last week. Demand was rather quiet but receipts were moderate.

The following the price of the month of 30 cents, and a gain over last week of 20 cents. Demand has been active and the top price, \$3.25 and bulk of sales, \$8.56 to \$8.00, an et gain for the month of 30 cents, and a gain over last week of 20 cents. Demand has been active and the top price, \$3.25 and bulk of sales, \$8.50 to \$6.0, and bulk \$4.50 to \$7. calves \$5 to \$1.75. The high level for May was reached the month of 30 cents, \$3.50, a net gain for bulk of sales, \$8.50 to \$8.00, an et gain for the month of 30 cents, \$3.50, an et gain for bulk of sales, \$8.50 to \$6.75, clipped lambs \$7 to \$7.65, and mut-devel and the conditions the price of \$1.75 to \$7.50, and \$1.75 to \$7.5

in Kansas Cit	y ar	id St. L	ouis.		
Wheat— Hard No. 2 Soft No. 2	Kar 91	sas City	\$.93	@	uis .97½ .06½
White No. 2 Mixed corn	571/2	@58c	.59 1/2 .58		
No. 2 white	39 38	@ 40c @ 38 ½ c	.38 34	00	.391/4

	Whe	Con	n 1912	Oa 1913	
Chicago Kan. City	1913 \$1.05 ½ .98	59 ½ 58 ½	83 1/2		57 1/2

Seeds.

Kafir corn, No. 2 white, 95c a cwt.; No. 3 white 98c a cwt.; alfalfa \$9@12 a cwt.; flaxseed \$1.09 a bushel; timothy \$1.50@1.75 a bushel; cane seed 75@90c; millet seed \$1.01.90.

Kansas City Hay Quotations. \$10.00@10.50

Prairie, choice	8.50@ 9.50
Prairie No. 1	6.00 0
Prairie, No. 2	7.00@ 8.00
Profrie No. 3	5.50@ 6.50
Timothy, choice	12.50@13.00
Timothy, No. 1	11.50@12.00
Timothy, No. 2	9.50@11.00
million No. 3	6.00@ 9.00
Clover mixed, choice	12.00@12.50
Clover mixed, No. 1	10.50@11.50
Clover mixed, No. 2	8.50@10.00
Clover, choice	11.00@12.00
Clover, No. 1	9.50@10.50
Clover, No. 2	7.00@ 9.00
Old alfalfa, fancy	15.50@16.00
Alfalfa, choice	14.00@15.00
Alfalfa, No. 1	12.50@13.50
Alialia, No. 1	10.50@12.00
Standard	8.00@10.00
Alfalfa, No. 2	6.00@ 7.50
Alfalfa, No. 3	12.00@12.50
New alfalfa, fancy	11.00@11.50
New alfalfa, choice	9.75@10.50
New alfalfa, No. 1	8.75@ 9.50
New alfalfa, standard	7.50@ 8.50
New alfalfa, No. 2	6.00@ 7.00
New alfalfa, No. 3	4.50@ 5.00
Straw	4.00@ 5.00
Packing hay	1.000 0.00

Broomcorn Buyers Waiting.

There is not much trade in broomcorn. The old crop is principally in warehouses and broom makers are taking only such offerings as they need for immediate use. The general tendency is to await the development of the new crop. Except in a few dry districts general prospects are good for the growing crop. Choice. green, selfworking corn is quoted at \$75 @90 a ton; fair to good, \$45 to \$70; common to fair, \$20 to \$40 a ton.

Livestock in Kansas City.

Livestock in Kansas City.

Steers weighing 1,400 pounds or more fell back 15 to 20 cents last week and the class weighing more than 1,300 pounds and up to 1,375 pounds were oarely steady, below that weight line and down to the tidy light weight class-prices showed a stronger tendency. The top price for heavy steers was \$8.25, and the yearling class sold up to \$8.55. The bulk of the fat steers brought \$7.50 to \$8.10 on the native side and \$6 to \$7.10 on the quarantine side. Cows and helfers sold

ceding week:	Preceding wk.
Monday\$8.45@8.65	\$8.25@8.471/2
Tuesday 8.50@8.75	8.30@8.60
Wednesday 8.45@8.621/2	8.35@8.60
Thursday 8.45@8.67%	8.40@8.60
Friday 8.50@8.75	8.40@8.571/2
Saturday 8.55@8.77 1/2	
	TO THE WALKS THE REST

Sheep prices last week were about steady, though there was no special activity to demand, and some weakness appeared on the close. Spring lambs arquoted at \$7.75 to \$8.40, wooled lambs \$7.50 to \$8.20, clipped lambs \$7 to \$7.60, and clipped sheep \$4.50 to \$5.85.

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

1912:	1913	1912	Inc.	Dec.
Cattle	623,071	564,272	58,799	
Calves	31,049	34,599		3,550
Hogs	1,073,227	1,224,939		151,712
Sheep	842,392	913,112	.,	70,720
H. & M	41,503	42,050		340
Cars	44,090	44,430	****	940

Livestock in St. Louis.

Livestock in St. Louis.

A fairly steady tone prevailed in the cattle market last week. Heavy steers were quoted weaker, and the lighter weight stuff was steady to strong. There was a noticeable lack of good dry lot steers. Native beef steers are quoted at \$6.50 to \$8.65, cows and heifers \$4.50 to \$8.50, stockers and feeders \$5.25 to \$7.50. Texas and Indian cows and heifers \$4 to \$7.75, Texas and Indian cows and heifers \$4 to \$7.76, louis \$4.50 to \$7.75, louis \$6.50 to \$1.00, and bulls \$4.50 to \$7.75, louis \$7.75, louis

Porton		1913	1912	Inc.	Dec-
Cattle		322,971	272,798	50,173	
Hogs	1,1	04,684	1,170,151		65,467
Sheep		299,315	350,096	*****	50,583
H. & M	1	28,332	28,312	20	

Livestock in St. Joseph.

Livestock in St. Joseph.

Heavy steers met a moderate reverse last week, but only a few such were offered. The market for the lighter weights closed firm and at the high level of the week. Receipts have been small. Beef steers are quoted at \$7 to \$8.50, cows and helfers \$4.25 to \$8.25, calves \$7 to \$9.75.

Good active demand for hogs last week carried prices up to the highest level of the month. The top price for the week was \$8.76, and the bulk of the hogs sold at \$8.60 to \$8.70, or 20 to 25 cents above the level of the preceding week.

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

1913 1912 Inc. Dec.

1913 1912 Inc. Dec.

Cattle 176.210 192.282 16.072

Hogs 715.540 962.322 246.782

Sheep 361.252 308.986 52.266

H. & M. 15.425 21.188 5.763

Cars 18.942 22.210 3,268

Butter, Eggs and Poultry.

Elgin, June 2.—Butter this week is firm 27 cents.
Kansas City, June 2.—Prices this week on coduce 27c.

produce are:
Eggs—Firsts, new white wood cases included, 18c to 18½c a doz.; seconds, 14
@16c.

Particip Creamery extras, 26c a lb.; firsts,

@15c.
Butter—Creamery, extras, 26c a lb.; firsts, 25c; seconds, 24c; packing stock, 20½c.
Live Poultry—Broilers, 1½ to 2 lbs., 25@
26c a lb.; under 1½ lbs., 20@22c; spring chickens, 15@16c; hens, 13½c; roosters, 10c; young turkeys and turkey hens, 17@18c; old toms, 14@15c; cull turkeys, 7@8c.

Produce Prices Now and One Year Ago. (Quotations on Best Stock.) Butter Eggs Hens 1913 1912 1913 1912 1913 1912 Chicago... 28 25 1814 1714 16 14 Kan. City.. 26 26 1814 1614 1314 12

Saved Alfalfa From Hoppers in 1910

(Continued from Page 3.)

In 1910 Mr. Coffin of Scott City cleaned out the grasshoppers from 100 acres of alfalfa by turning about 100 turkeys into the field. Albert Miller of Ford county, prevented damage to a part of his alfalfa seed crop by having a few old sows in it. The remainder of the field where there were no hogs was seriously damaged by the grasshoppers. On sod, in weed patches, and in alfalfa-fields where the crop is still short the hopperdozer does great work.

WRITE US **ABOUT Your**

C. E. SHOFSTALL HAY & GRAIN CO. 605 Livestock Exchange, Kansas City, Mos

BIG BARGAINS IN REAL ESTATE

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

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All advertising copy, discontinuance orders and change of copy intended for the Real Estate Department must reach this office by 10 o'clock Saturday morning, one week in advance of publication to be effective in that issue. All forms in this department of the paper close at that time and it is impossible to make any changes in the pages after they are electrotyped.

160 ACRES, 2 miles town. Well improved. All tiliable. \$9,600, carry % in mortgage 5%. Donahue. Mound Valley, Kan.

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

80 ACRES, good improvements, close to school and church; \$42.50 terms. Farm list free. H. J. Walrad, Moran, Kansas.

180 ACRES Franklin Co., Kan. One mile from town. \$42.50. Other bargains. Send for list. A. E. Clark & Son, Pomona, Kan.

BARGAIN; 80 a. improved, 4 miles out. Send for land list. F. C. Libby, Blue Mound, Linn Co., Kan. J. L. Wilson, Salesman.

GET on the new R. R., where land only sells for \$10 to \$15 per a.; best land in state; fine water. Life Real Estate Co., Hugoton, Ks. STEVENS county; land on new R. R. in Stevens and Morton Cos. \$8 to \$20 per a. Write or see John A. Firmin, Hugoton, Kan.

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

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

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

RANCH 800 acres, Walnut Valley, Ness Co. Highly improved, 70 acres alfalfa land. Price \$20.00 acre, enc. \$3,200; owner has poor health. Wants clear 160 east for equity. Buxton Land Co., Utica, Ness Co., Kan.

160 A. 2 miles town, ¼ mile school; 7 room house, large barn, 100 a. bottom; 40 a. alfaifa; fine orchard, fine improvements, nice home. Price \$65 per acre. GILE & BONSALL, South Haven, Sumner Co., Kan.

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

270 ACRE well improved corn and alfalfa farm, 5 miles Garnett, \$65.00. Terms, 240 acres corn and alfalfa farm, 3 miles railroad, \$45.00. Terms. Other good ones, S. C. Bybee & Company, Garnett, Kan.

312 ACRES improved Osage Co., Kansas, farm, 175 a. rich bottom land, 175 a. fine alfalfa land, 19 a. in alfalfa, 2 ml. from good town. Worth \$60 per a. Owner must sell within next 30 days at sacrifice of \$45 per a. No trades.

J. W. Watkins, Quenemo, Kan.

4 STOCK FARMS for sale at \$36, \$41.50, \$60 and \$62.50 per a. PRALLE BROS., Bremen, Kansas.

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

FOR SALE BY OWNER.

16 quarters, adjoins German settlement
Minneola. Sr il payt., bal. 8 years 6%.
Write at once. Box 317, Minneola, Kan.

FOR SALE.

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

LINN COUNTY FARMS.

Biggest bargains in Kansas. Corn, wheat, timothy, clover, bluegrass land \$15-\$80. Coal, wood, gas, abundance good water.

Fruit, everything that goes to make life pleasant. Large illustrated folder free. EBY-CADY REALTY CO., Pleasanton, Kan.

ALFALFA FARMS Write for list of farms and ranches near the best college CATLE RANCHES town in the state.

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

Good Quality at Low Cost 235 acres near Garnett, Kansas, most blue-stem meadow, low price. 60 acres, well im-proved, 3 mi. of town, subject to one year lease. 160 acres, ½ mi. of town, well im-proved. SPOHN BROS., Garnett, Kan.

400 ACRES FOR SALE

Two sets of improvements in fair condition; plenty shade trees. 2 good wells, windmills and concrete water tanks; also creek water at each place. 240 a. of bottom affaifa land and 160 a. of upland (black soil). 200 a. in wheat, 30 a. alfaifa, 60 a. pasture, bat corn land, all tillable. 2 mi. town. Phone. Level roads. Will sell part or all. Terms on part. Price ‡80 per acre.

T. F. JOHNSTON, Garfield, Kan.

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

GOOD farms for sale or ex. in Bourbon Co. eastern Kan. Fred L. Kent, Uniontown, Kan

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

CENTRAL Southern Kan. alfalfa lands. 320 a. valley land, 200 suitable for alfalfa, \$8,000. 160 a. in valley, 120 in cult., \$4,800. For free list write P. H. THORNTON, Coldwater, Kan.

260 A. good bottom land \$25 per a. under cash value. Mostly alfalfa land. If you see this farm you will buy it. Write for description and price. Box 1, La Cygne, Kan.

200 A. level black land 3 mi town, 100 a. wheat, improved; everlasting water, ½ mischool, ½ crop with place if sold by July. Bargain. A.W.Bremeyer&Co.,McPherson,Kan.

100 IMP. and unimp. farms for sale in Edwards, Ford and Hodgeman Cos., \$1,100 ¼ up. For further information and list call on or address THOS. DARCEY, Offerie, Ks.

SACRIFICE sale; 320 acres, 60 acres pasture and hay, 2 good wells and a spring; 70 acres wheat, bal. in crops. Possession-August 1st, 1913. % of all grain to purchaser; \$14,000. LOCK BOX 285, Wellington, Kan.

IF TAKEN AT ONCE, 160 a. fine meadow, close in, \$30 per acre. 125 acre improved choice stock farm, close in, \$30 per acre. E. R. Dice, Neodesha, Kan.

672 ACRE farm. 3 sets improvements, near Arkansas City, Kan. 65 in alfalfa. Best of terms. Ask alout this good farm. 80, 160, 240, 320, 408, 620, all above farms are good prices from \$30 up to \$56 per a. WM. GODBY, Arkansas City, Kan.

160 A., 100 in cultivation, bal. grass and timber; frame house, 3 rooms, summer kitchen attached. Basement barn 18x28, mow above; other improvements; never falling water; on mail and phone lines about 1 mile to high school. Price \$60 per a.

W. P. Morris, Marion, Kansas.

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

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

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

HOG FARM.

80 a. well improved with good 5 room house. Good barn 36x48, arch cellar. 18 a. fine valley land. ½ in cult. Bal, fine grass. Some timber. This is or would be A-No. 1 hog farm. Possession any time. Terms to sult you. Price \$3,600. Close to school and church. W. H. LATHROM, Waverly, Kan.

A LITTLE DANDY. Sixty acres, one and half mile from good town, thirty-five acres, creek bottom alfalfa land, balance mow, small improvements, good water. A good home. Price \$2,400.

G. N. UPHAM, Coffeyville, Kan.

HAY FARM FOR SALE.

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

ALONG THE NEW RAILROAD.

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

DON VAN WORMER,
Rolla, Kansas.

Richfield, Kansas.

and other outbuildings. 8 acres timber, 118
acres in cultivation, price \$62 per acre;
\$2,000 down, remainder long time at 6%
interest.

125 acres 3 mi. of town located in Franklin Co., Kansas. All tillable, 5 room house,
barn 30x40, other good outbuildings; 2 never
failing wells, price \$70 per acre. Small payment down, remainder at 6% interest.
80 acres located in Franklin Co., 1 mile
of Ottawa, Kansas. All tillable, 65 acres in
cultivation, price \$90 per a. Rental \$8 per a.
Write for land list.

MANSFIELD LAND CO., Ottawa, Kan.

Sedgwick Co. Farm Bargains

80 a. farm only 3 miles of Wichita; best of land, improved, \$110 per a. Terms. 280 bottom land farm; none better for alfalfa, improved, 1 mile R. R. town, snap at \$50; terms to suit. 145 a. farm, house, 2 barns, good land, fine home. \$60 per a. \$2,000 cash, bal. long time 21 a. farm, bottom land, good improvements, in edge of Wichita, \$6,500. Call or write H. E OSBURN
315 E. Douglas, Wichita, Kansas.

ARKANSAS

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

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

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

BE INDEPENDENT, don't rent. Poultry anches, fruit, stock farms. Timber lands. Ferms. Exchs. Star Land Co., Gentry, Ark.

160 ACRES one mile from Oliver, Ry. town; church, school; partly improved; good timber. In Scott county, Arkansas. Price \$3 per acre, cash. Box \$08, Heavener, Okla.

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

FOR SALE—80 a., 45 in cultivation, good buildings, 3 acres orchard, fine water; 1½ mile to station; 3½ from county seat. Big Bargain. \$1,350. F. J. Ray, Little Rock, Ark.

260 A. rich 2nd bot. land, nearly level springs, running water. 30 a. high land, red sub-soil, no stone. \$8 a. Terms. Write NOW F. & M. Bank & Trust Co., DeQueen, Ark

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

TEXAS

BRAZOS bottom farm, 320 acres, 110 cult.; 2 houses, very fine soil. \$45 per acre, ½ cash, balance easy. Winston McMahon, 317 Beatty Bidg., Houston, Tex.

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

GERMAN CATHOLIC colonization proposition. 6,000 a. in South Texas, near Co. seat; good church and schools; 9-10 population German Catholic. \$20 per a. Also smaller tracts. D. W. GRANT, Palacios, Texas.

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

OIL LOTS EARN FORTUNES: New strike N. Humble oil belt. \$10, easy installments. Pay \$10 after I strike oil. Get par. surest co-operative proposition ever offered. Her-bert Barbour, Beatty Bldg., Houston, Texas.

FINE STOCK ranch proposition. Three sections, Lipscomb county, Texas; 12 miles from Shattuck, Okla. Running water, shade, alfaifa on adjoining sections 5 yrs. growth. We are offering this under market to dissolve partnership. For full particulars address owner, J. M. White, Enid, Okla.

NORTHWEST TEXAS LANDS. Any size tracts. Buy direct from owner. Address G. A. Vawter, Dalhart, Texas.

BARGAINS IN GULF COAST LANDS.
FACTS about the Mid-Gulf-Coast Country of Texas. Production, climate, rainfall, soil, markets, water. Large or small tracts. Write at once for free booklet and price lists. Reference given.

John Richey & Co., Binz Bldg., Houston, Tex.

CALIFORNIA

HOMESEEKERS. Don't pay a fortune for are land; I have improved properties from 15 per acre up. Richest soil, plenty water, to floods, no tornadoes, no blizzards. Send our cents for list.

CHAS. C. SCHMID,
2914 26th St., Sacramento, Calif.

COLORADO

EASTERN COLORADO—The new home-stead law. Bargains in relinquishments. Farm land. You can buy it, if you try it; come and see it and you will do it. Lock Box 713, Garden City, Kan.

DON VAN WORMER,
Rolla, Kansas.

Richfield, Kansas.

MUST SELL.

162 acres in Franklin Co., Kansas, % mile of town, 80 a creek bottom, 40 acres in blue grass, 10 acres clover, 7 room house, barn and other outbuildings. 8 acres timber, 118 acres in cultivation, price \$62 per acre; acre; acres in cultivation, price \$62 per acre; acres in solution acres in cultivation, price \$62 per acre; acres in cultivation, price \$62 per acre; acres in solution acres in solution acres in acres in cultivated. Reservoir, springs, 500 a. under ditch; 1 mi. school, ½ mi. post-office; outside range, all clear; 20 mi. Pueblo, Price \$25 per acre. Liberal terms, consider clear income or \$10,000 or \$12,000 or \$ bug. W. H. Allison, Rye, Pueblo, Co., Colo

COLORADO IBRIGATED LAND.

80 Acres for \$4,200.00.

160 acres Gov't Land joining it can be homesteaded. Ideal climate. Soit water. Joins Forest Reserve, which gives pasture for all the stock you may wish to handle. DR. PITT A. WADE, Canon City, Colo.

THE INTERNATIONAL REALTY& INV. CO. 618-20 Gas and Electric Bidg., DENVER, COLORADO Write us for highly improved irrigated and dry farms, choice Fruit Tracts in Colorado, and City Property in Denver

320 HOMESTEADS 320 I now have a few 320 acre homesteads re-linquishments at from \$200 to \$1,000, per-fectly level, every acre tillable, no better soil fine water, good schools, in good neighbor-hoods. They will not last long. If you wan

a home write me now.
R. T. CLINE, Towner, Colo.

OKLAHOMA

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

20 FINE farms, bargains. N. E. Okla. valley. Dennison & Griswold, Claremore, Ok.

FOR RENT. 300 acres first class bottom land joining Chickasha, Oklahoma. Level, no rock or stumps. Price \$4 per acre cash in advance. This farm is for sale also. Golden Gate Trust Co., Chickasha, Okla.

DEEDED land, improved farms, close to railroad at \$8 to \$10 per acre. Some big ranches. Relinquishments of homesteads. 160 a. and 320 a. tracts, with four feet black soil, improved, at \$2.00 to \$3.00 per acre. Write or see Dale, The Land Man, Guymon, Okla.

FOR SALE. 320 acres fine black soil, good water. Must be sold at once. \$10 an acre. Average 20 bushels wheat to the acre. Actual value \$15.00 an acre. Investigate for yourself. 486 choice residence lots Texhoma. Will pay good commission for selling.

John Barnes, Texhoma, Oklahoma.

320 ACRES good wheat land. 220 in cultivation. Good water. Well improved. \$700 worth of farm implements. All for \$6,000. Mile and a half from Guymon.

I. L. Ennis, Guymon, Oklahoma.

140 A. 3. mi. McAlester, city 15,000. All bottom and all tillable, excepting 3 a. which is timber. 40 a. in cult., bal meadow. Fair improvements. \$37 per a. Good terms. Write about other bargains.

Southern Realty Co., McAlester, Okla.

BEST alfalfa farm in Oklahoma. 98 a. growing alfalfa, 25 a. wheat, 25 a. oats; 3 ml. hog tight fence; one-half mile to \$50,000 federal building. The greatest bargain ever offered. One-half mile to this city.

C. W. Smith, Kingfisher, Oklahoma.

FOR SALE. A 440 acre valley farm, very rich land. No overflow. \$5,000 worth of improvements. 3 houses, barns, windmill, etc. 3 mi. from Vinita, Oklahoma. Price reasonable. Only one-third cash. Address W. J. Mercer, Aurora, Ill.

INDIAN FARMS
for sale in rain, corn and oil belt of N. E.
Oklahoma at from \$15 to \$35 per acre. Easy
terms. A perfect title is guaranteed. For
description and prices write the owner,
W. C. WOOD, Nowata, Oklahoma.

OKLAHOMA FARMS
grass and timbered lands, for sale on easy
terms; over one hundred tracts from twenty
to one thousand acres each to select from;
first cash payment from one to ten dollars
per acre, balance on suitable terms. For
particulars address with stamp
JOSEPH F. LOCK, Oklahoma City, Okla-

NEW YORK

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

NEW MEXICO

160 ACRE farm joins city limits of Tu-cumcari, N. M. \$1,700.00 cash. Address Jas. J. Hall, Tucumcari, N. M.

TUCUMCARI, New Mexico, offers oppor-tunities for dairy farmers, irrigation farmers and inducements for location of glass factory and paper plant. Chamber of Commerce.

IRRIGATED alfalfa land at bed-rock prices. No alkali, cyclones or hot winds. Pure water, supply guaranteed. New pumpage field. Ground floor proposition. Lovington Realty Co., Lovington, New Mexico.

LOUISIANA

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

FOR SALE. Farms and timbered land. A half million dollars has been made by the berrymen and the season is not more than half over. If you want a berry farm, write T. E. Sanders, Box 14, Independence, La.

FLORIDA

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

T. S. McManus, Waldo, Fla.

CANADA

CANADA LAND—If you are interested in buying land in Canada, I have proposition that will interest you. E. E. Foley, Schweiter Bldg., Wichita, Kan.

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

WHAT BREEDERS ARE DOING

FRANK HOWARD, Manager Livestock Department.

FIELDMEN.

A. B. Hunter, S. W. Kansas and Oklahoma 1124 So. Market St., Wichita, Kans.
John W. Johnson, 820 Lincoln St., Topeka,
Kan, N. W. Kansas and S. Nebraska.
C. H. Walker, N. E. Kansas, N. Missouri,
3632 Flora Ave., Kansas City, Mo.
Geo. W. Berry, N. Nebraska and W. Iowa,
Capper Bldg., Topeka, Kans.
Harry W. Graham, E. Iowa and Illinois,
Chillicothe, Mo.
Ed R. Dorsey, S. E. Kansas and S. Missouri,
Girard, Kans.

PUREBRED STOCK SALES.

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

Poland China Hogs.

12—H. Fesenmeyer, Clarinda, Ia. 13—John B. Lawson, Clarinda, Ia. 13—J. W. Pfander & Sons, Clarinda,

Oct. 1—D. C. Lonergan, Florence, Neb.
Sept. 6—J. C. Stalter, Jasper, Mo.
Sept. 17—L. R. McClarnon, Braddyville, Ia.
Oct. 21—H. B. Walter, Effingham, Kan.
Oct. 15—R. B. Davis, Hlawatha, Kan.
Oct. 17—Thos. F. Walker & Son, Alexandria,
Neb., at Fairbury, Neb.
Oct. 18—Lambert Bros., Smith Center, Kan.
Oct. 22—H. C. Graner, Lancaster, Kan.
Oct. 25—J. H. Hamilton & Son, Guide Rock,
Neb.

Oct. 22—H. C. Graner, Lancaster, Kan.
Oct. 25—J. H. Hamilton & Son, Guide Rock,
Neb.
Oct. 25—J. W. Leeper, Norton, Kan.
Oct. 28—W. R. Webb, Bendena, Kan.
Oct. 28—Joe Hemmy, Hill City, Kan.
Oct. 29—Walter Hildwein, Fairview, Kan.
Oct. 30—Harry Wales, Peculiar, Mo.
Oct. 30—Herron Williams, Valley Falls, Ks.
Nov. 1—John Belcher, Raymore, Mo.
Nov. 3—Joe Schneider, Nortonville, Kan.
Nov. 5—R. B. Davis, Hiawatha, Kan.
Nov. 6—W. E. Epley, Diller, Neb.
Nov. 8—John Naiman, Alexandria, Neb., at
Hebron, Neb.
Feb. 3—J. H. Hamilton & Son, Guide Rock,
Neb.

Neb.
Feb. 10—H. B. Walter,
Feb. 12—Thos. F. Walker & Son, Alexander,
Neb., at Fairbury, Neb.
Feb. 13—J. E. Wills, Prairie View, Kan.
Feb. 13—W. E. Epley, Diller, Neb.
Feb. 14—J. F. Foley, Orinoque, Kan.
Feb. 17—L. E. Klein, Zeandale, Kan.
Feb. 18—J. H. Harter, Westmoreland,
Feb. 19—J. L. Griffiths, Riley, Kan.
Feb. 19—J. L. Griffiths, Riley, Kan.
Feb. 24—M. T. Shields, Lebanon, Kan.

Duroc-Jersey Hogs. -H. B. Walter, Effingham, Kan -Thos. F. Walker & Son, Alexandria,

Oct. 17—Moser & Fitzwater, Goff, Kan.
Oct. 30—A. T. Cross, Guide Rock, Neb.
Oct. 31—A. M. Rinehart & Son, Smith
Center, Kan.
Nov. 1—N. B. Price, Mankato, Kan.
Nov. 5—W. E. Monasmith, Formoso, Kan.
Nov. 7—Leon Carter, Asherville, Kan.
Jan 28—W. E. Monasmith, Formoso, Kan.
Jan. 30—Geo. P. Philippi, Lebanon, Kan.
Jan. 31—A. M. Rinehart & Son, Smith Center, Kan.

Jan 31—A. M. Klienat & Soff, Kan.
feb. 4—Moser & Fitzwater, Goff, Kan.
Feb. 5—Samuelson Bros., Cleburne, Kan.
Feb. 6—Leon Carter, Asherville, Kan.
Feb. 7—E. G. Munsell, Herington, Kan.
Feb. 9—E. A. Trump, Formoso, Kan.
Feb. 10—Agricultural College, Manhattan,
Kan.

eb. 11—Thompson Bros., Garrison, Kan. eb. 11—Thompson Bros., Garrison, Kan. eb. 20—John Emigh, Formoso, Kan. eb. 21—Dana D. Shuck, Burr Oak, Kan. eb. 25—A. T. Cross, Guide Rock, Neb.

Shorthorn Cattle.

June 4—John M. Bay, Aledo, Ill. June 6—C. S. Nevius, Chiles, Kan. June 11—H. Rees & Son, Omaha, Neb. June 12—Whittsitt Bros., Preemption, Ill.

Aberdeen Angus Cattle.

Oct. 22-W. F. Eckles, Green City, Mo. Holstein and Ayrshire Cattle.

June 19-William Galloway Farms, Water-loo, Ia. Hereford Cattle.

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

lege honors a Kansas breeder of Guernsey cattle by selecting one of his herd hulls for use on the state herd of Guernseys at the college. This bull is the 4-year-old that Mr. Krueger of Burlington, Kansas, shipped from Connecticut in 1909. His sire was the champion, Masher's Sequel A. R. 44, that has over Masher's Sequel A. R. 44, that has over 40 daughters with official records, and his dam, Zelta of Grassland A. R. Mr. Krueger loaned this bull to the state The Kansas State Agricultural colhis dam, Zelta of Grassland A. R. Mr. Krueger loaned this bull to the state early in the spring and he has just been returned to Burlington. The Krueger returned to Burlington. The Krueger herd of Guernseys is probably the larg-est and best bred herd in the West.

F. S. Cowles, of Lawrence, Kan., has at the head of his Poland China herd a splendid young boar that he secured of J. O. James of Braddyville, Iowa. The pig is by Big Orange and out of Anna Ex 2nd, by Big Sensation and while he is but two weeks too old to show in the senior pig class. As for an weight is consenior pig class, as far as weight is concerned, he could easily qualify for special honors in the junior yearling class.

H. B. Miner, Gulde Rock, Neb., is a Duroc-persey breeder that was cleaned out last-persey with cholera. He made two of the good sales last season, one in November

At the age of 81/2 months he weighed 400 pounds and by show time could be made to weigh close to 600 pounds, and with all this size he has quality that makes him eligible for herd header or

S. W. Kansas and Oklahoma

BY A. B. HUNTER.

It will doubtless be of interest to our readers to note the prolificacy of the Royal Scion herd of Duroc-Jerseys owned by G. C. Norman of Winfield, Kan. There are no better blood lines known to Duroc-Jersey breeders than can be found in this herd and the prolificacy of the brood sows comes to them as a natural inheritance. Heiress Royal 226062 is typical in both breeding and prolificacy. She was farrowed July 11, 1909. On April 11, 1910, she farrowed 9 pigs and on September 13, 13 pigs; on March 23, 1912, 13 pigs; on March 23, 1912, 13 pigs and on September 30, 12 pigs; on March 14, 1913, 12 pigs. At the age of 3 years, 8 months and 3 days she is the mother of 83 pigs all farrowed alive. Mr. Norman has a number of such sows in his herd and a number of such sows in his herd and a number of litters from these sows for sale. These pigs are sired by Graduate Col., Royal Scion and other equally well bred sires. Look up his ad in this issue and write him your wants.

Holdeman's Good Holstein Sale.

Holdeman's Good Holstein Sale.

H. N. Holdeman, Meade, Kan., whose sale was held at Hutchinson, Kan., May 28 sold 23 Holsteins at very satisfactory prices. It was a cattle crowd and the few Percherons offered sold cheap. The cows and heifers of breeding age sold for over \$200 and most of the young bulls ranged around \$100 each. Hammond & Buskirk, Newton, Kan., topped the sale on Gerben Clita Parthenea, by Shadybrook Gerben Sikle Kol at \$270.00. The following is a representative list of sales:

Gerben Clita Parthenea, Hammond & Buskirk, Newton, Kan. 215.00
Lady De Kol Gerben, B. C. Franklin, Larned, Kan. 215.00
Shady Clita Gerben, W. C. Stanley, Great Bend, Kan. 210.00
Lady Sarcastic De Kol, U. S. Indian School, Chilocco, Okla. 185.00
Empress Hilda Gerben De Kol, Ira Romlg, Topeka, Kan. 250.00
Carlotta, J. C. Robison, Towanda, Kan. (Yearling) A. F. Miller, Haven, Kan. 42.00
(Yearling) W. S. Indian Shool, Chilocco, Okla. 55.00

MALES. FEMALES.

MALES.

Princess Lad Sarcastic, C. F. Coleman, Wichita, Kan.
Artesian Sarcastic Lad, Frank Schoendaller, Hays, Kan.
Artesian Sarcastic Lad 2d, Geo. Fernie, Hutchinson, Kan.
Larned, Kan.
De Kol Gerben Lad, G. T. Holmes, Langdon, Kan.
Prince De Kol Sarcastic, F. P. Bradfield, Zenda, Kan.
Prince Sarcastic De Kol, Olaf Auspell, Lewis, Kan.
Diamond Shady Brook Gerben, L. W.
Babcock, Harper, Kan.

115.00
95.00
75.00 MALES.

S. E. Kansas and S. Missouri

BY JOHN W. JOHNSON.

J. H. Harter, Westmoreland, Kan., has some choice fall boars for sale. Mr. Harter is one of the best known Poland China breeders in the state and his herd one of the very best. Write him for description and prices which he says will be low from now on to move them quick. Some of them are real herd header material. Write him if you want a boar.

Howard R. Ames, Maple Hill, Kan., a Poland China breeder of that place is offering his spring plgs, both sexes, for \$20 each and will pay the express to their destination. This offer is for 30 days only. A certificate goes with each plg. Look up his advertisement in this issue and write him at once and mention Farmers Mail and reeze when you write. I have known Mr. Ames for a good while and his herd is a first class one and is well cared for. His offer is a good one for the man that needs a few sow plgs and a boar. Write him for descriptions. They are cheap at \$20 laid down at your door. Look up his ad in this issue.

and one in February. He is now a strong advocate of immunizing as advocated by the agricultural colleges at Manhattan and Lincoln. Mr. Miner lost his entire herd with the exception of 15 very choice fail gits and two or three sows that had already gone through the choiera. Mr. Miner is well known and well liked by those with whom he has been associated in the business and all will be glad to know that he is getting things ready to get in the game again soon. He will be a buyer in public sales this winter.

A Good Judge of Values.

L. J. Calloway, Lebanon, Kan, a young, purebred stock man, has natural ability as an auctioneer. He embarked in the business two years ago. He is associated with his brothers J. E. and T. A. in the Percheron horse business. Recently they were buyers in the Robinson sale at Towanda. They all own good Jewell County and Smith county farms and are wide awake men. L. J. took a course of instruction at the Missouri Auction School and his grades on livestock, judging were the highest of any in the school, during that term. Mr. Calloway's prices are reasonable and anyone who intends making a sale this fall or winter will not miss it by securing his services. He is not a new man in the livestock game by any means and knows values and stock generally. Write him for dates.

M. T. Shield's Poland Chinas.

M. T. Shield's Poland Chinas.

M. T. Shield, Lebanon, Kan., is a breeder of Poland Chinas and has 78 early spring pigs. Logan Chief, the herd boar in service in this herd and the boar that sired all of these pigs but three litters was sired by W. E. Will's big boar, Chief Logan. He was one of the best boars ever owned in that part of the state. He was by Prince Wonder owned by Chas. Hutchinson, at Bellaire, Kan. The dam is a good sow in the J. E. Will herd, at Prairie View, Kan. A boar that is the sire of three of the spring litters is a son of Oak Hill Chief. J. W. Hutchinson's herd boar and a full brother to Choice Goods that was at the head of J. H. Hamilton's herd for so long. February 24 has been decided on by Mr. Shield as the date of his bred sow sale which will be held at the farm or in Lebanon. The sale will be advertised in this paper in due time.

Schwab's Purebred Stock.

Schwab's Purebred Stock.

In this issue will be found the advertisement of Geo. W. Schwab, Clay Center, Neb., one of the best known and best advertised breeders of Red Poll cattle, Percheron horses and Duroc-Jerseys in the West. There are several of the Schwab brothers in Clay county and the father, who is a pioneer of that splendid county, lives in Clay Center, and is hale and hearty. Mr. Schwab is not a speculator, buying and reselling but is a buyer only of animals that strengthen his herds and what he offers for sale for breeding purposes is surplus and guaranteed right every time. At present he is advertising some choice females, of all ages for sale. Some of them are show animals and all of them good useful cattle. They are always priced to sell and if you can possibly do so you are urged to visit the herd and look over this splendid line of young cows and heifers. Mr. Schwab has most convincing argument in favor of his herds and his methods of doing business, in the form of a neatly printed booklet with dozens of testimonials

MISSOURI

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

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

Chicken ranch, \$600. Terms. Other farms. Pictures, maps, free. Box 594, Mt. View, Mo.

\$5 DOWN, \$5 monthly buys 40 acres grain, fruit, poultry land near town. Price \$200.00. Other bargains. Box 372, Carthage, Mo.

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

A. SNAP. 97 acres improved, every acretillable, 1½ miles from rallroad town. Price \$4,000. Finest 1,800 acre ranch in Missouri, \$15,000 improvements, \$35 per acre. Missouri Land Co., Humansville, Polk Co., Mo.

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

ONF of Howell Co., Mo., good farms. 279 a.; 17. cult., 9 room house, good cellar. Large barn, other buildings. Orchard, fine water. 3 mi. railroad town, 6 ml. county seat, West Plains, on R. F. D and phone line. 4 ml. school. \$40 a. No trade. A. P. COTTRELL LAND CO., Pomona, Howell Co., Mo.

BATES COUNTY FARMS
ranging from 40 to 800 acres; \$40 to \$75;
located 60 miles south of Kansas City, Mo.
J. D. SAGE, Amsterdam, Mo.

A SNAP FOR THE CASH.

200 acres, 160 fenced, 120 cultivation. 2½
miles to postoffice, 1 mi. to school, 10 to
county seat. Good house and barn: everlasting spring, fruit; price \$4,000. Will give
terms. KIRWAN & LAIRD, West Plains, Mo.

OZARK LANDS FOR SALE.

40 a., all fenced with woven wire, 36 a. in cultivation, bal. pasture, new 5 room house, large barn and other outbuildings, fine water, ½ mi. school; mortgage \$500 due 4 yrs. at 5½%. Price \$1,400. List free.

JAS. B. WEBB, West Plains, Mo.

POLK COUNTY FARMS For Sale or Exchange ter, fine pastures, short feeding season, productive soil, prices and terms to suit. HARRY T. WEST REALTY CO., Bolivar, Mo.

Ozark Unimproved Farm Bargain

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

JOHN M. CARNAHAN, Van Buren, Mo.
(County Recorder Carter Co.)

FOR SALE OR EXCHANGE

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

OZARK farms and mose for sale or trade Noah Atkinson, Marshfield, Mo.

TRADES everywhere. Get our large list. Burrow's R. E. Ex., Warm Springs, Ark,

FREE—Loose Leaf Exchange Book. It will match your trade. Write Desk A. E. P. Johnson, Ordway, Colo.

FOR SALE OR EXCHANGE; fine smooth quarter dark loam land unimp., well located. \$1,200. H. H. Caldwell, Lawson, Kan.

BUSINESS building bringing rental of \$5,500 a year for \$40,000. Easy terms. Address Evans Realty Co., Tucumcari, N. M.

WHAT have you to trade for Arkansas level cutover land? Close to railroad; no overflow; no negroes; no rocks. Shaeffer Land Co., 640 Reserve Bk. Bldg., Kansas City, Mo.

200 A. Chautauqua Co., Kan. 30 a. creek bottom land in cult. 15 a. meadow; bal. pas-ture; fair imp.; well fenced; \$30.00 per a. Inc. \$1,500. Trade for groceries. Owners Sale & Exchange, Independence, Kan.

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

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

FOR EXCHANGE. 160 a. near Ft. Morgan, Colo., at \$10,000 and 63 a. near Brush, Colo., at \$150 per a. Both farms clear.
Walter Hanson, Sabetha, Kansas.

GROCERIES for land or land for mase. Gass, Joplin, Mo.

WRITE Fred L. Kent, Uniontown, Bour-on Co., Kan., for honest prices on farms.

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

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

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

FOR SALE OR EXCHANGE.

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

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

For Sale or Exchange Land in the great corn belt of Missour Kansas and Nebraska. Also Ranches, you wish to make an exchange address M. E. NOBLE & SON, 507 Corby-Forsee Bldg., St. Joseph, Mo.

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

FOR SALE OR EXCHANGE.

100 bbl. flour and 50 bbl. feed mill in N.
W. Mo., 70 mi. St. Joe. 6 double Stands
rollers, Alsup electric bleacher, individual
electric lights, city water, county seat town
in wheat belt. 3 stories and basement, 3
acres land, barns, bins, cribs and complete
in detail. Leased at \$900.00 per year, expiring Aug. 1, '13. Insured for \$7,700.00.
Price \$15,000.00 clear, Will trade for land
in N. Mo., S. Iowa, E. Kan, or Nebr, Trade
quick, Will assume, carry back or might
add, \$5,000 cash.
W. L. BOWMAN REALTY CO.,
King City, Mo.

YOUNG FARMER'S CHANCE

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

from all over as many states, from pleased customers who have bought either cattle, horses or Duroc-Jerseys. At present he has four good young stallions left that are for sale. The cows and buils that he is offering are good through and through and through and the particulars about them. He is offering sows and gilts bred for early fall farrow. A fine lot of young March and April boars are coming on, some a little earlier.

A Remedy For Sick Hogs and Chickens that has proven a success for the expulsion of worms in Hogs, and 'he Germ diseases of chickens. It your dealer can use all the success of the success or 2000 chickens. If not satisfactory, your money refunded The OLEPHEN CHEMICAL CO., Wamego, Kan

LIVESTOCK AUCTIONEERS

CHAS. M. SCOTT, Livestock Auctioneer. Thoroughly posted Scott & Singer, Poland China breeders. Hiawatha, Kan.

L. J. Calloway, Lebanon, Kansas

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

JAS.W. SPARKS LIVE Stock Auctioneer

Col. D.F. Perkins, Concordia, Kan. Up-to-date methods in the Auction business. Purebred stock sales and big sales generally. Write for dates.

Will Myers booked on leading breeders' breeders' choice dates still open. Write or wire.

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

COL. N. B. PRICE Mankato, Kan.
LIVESTOCK
Auctioneer
Phone or write for dates, Bonney K, heads my Duroc-deray herd.

Learn Auctioneering

at World's Greatest School and be independent. Write today for free catalog. JONES NATIONAL SCHOOL of AUGTIONEER-ING, 14 N. Sacramento Hivd., Chicago, Ill. Carcy M. Jones, Pres

Col. J. R. LLOYD, ATHOL, KANSAS LIVESTOCK AUCTIONEER.
Write for terms and dates, and reference

G. A. Drybread The Auctioneer Live Stock and Farm Salos made anywhere. Prices reasonable. Give me a trial. Satisfaction guaranteed.

N. S. HOYT, Mankato, Kan. Livestock Auctioneer. Big Horse and other Stock Sales a pecialty. Terms reasonable. Special service to breeders.

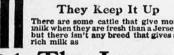
Frank J. Zaunfurfisteek Independence, Mo., Bell Phone 675 Ind.
My References: America's best breeders for whom
I have been selling for years.
Get Zaun He Knows How

Be an Auctioneer

Travel over the country and make blg money. No other profession can be learned so quickly, that will pay as big wages. Write today for big, free catalogue of Home Study Course, as well as the Actual Practice School, which opens August 4th.

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

HOLSTEINS.





Get in touch with Mr. Schwab at once and and you will get the best of treatment and mentior this paper when you write him for a square deal every time. Mention this description and prices. Look up his ad in paper.

Philippl's Sow Sale Date.

Philippi's Sow Sale Date.

Geo. P. Philippi, Lebanon, Kan., has selected Jan. 30 as the date of his bred sow sale. This completes a circuit of Duroc-Jersey bred sow sales, for the last week in January, that are convenient to each other, all on the Rock Island. Geo. Philippi put up one of the real good offerings last winter It was in the best possible breeding condition. Those who bought in that sale have had good success with raising good litters. He has a nice lot of spring pigs, sired by Red Ruler and 25 fall gilts, also by Red Ruler, that will make up the offering for the bred sow sale. Red Ruler has proven a sire of unusual merit and has more than made good for Mr. Philippi. King of Model Hero is a yearling, sired by Model Hero, Rinehart & Son's herd boar. This yearling boar is bred as high as the most of them and Model Hero is closely related to the real aristocrats of the breed over in Iowa where the Golden Model family about ring.

Lambert Bros.' Sow Offering.

Lambert Bros.' Sow Offering.

Lambert Bros., Smith Center. Kan., are breeders of high class Poland Chinas. They have been exhibitors for a number of years and two years in succession they have shown at the Topeka State Fair and will likely do so again this season. Their Polands are of a type that is very popular, being of good size with lots of finish. They have about 70 spring pigs sired by six different boars. Their principal herd boar is Waechter's Referee, by Referendum. The dam of this boar is old White Face Queen, the great sow in the Waechter herd. Hamiltons, Cowan, at Athol, Kan., C. W. Harper and others have boars that are full brothers or closely related to this boar. Two years ago at Topeka the Lamberts won 10 ribbons and did almost as well last year. At the Smith county fair last year they won everything. They have taken October 18 as the date of their boar and gilt sale which will be held in Smith Center, to better accommodate those who wish to attend from a distance. Their card in the Poland China section appears regularly in Farmers Mail and Broze and at present they are offering for sale prosent they are offering for sale prosent they are offering for sale prosent them for prices.

Will Hold Two Sales.

Will Hold Two Sales.

J. H. Hamilton & Son, Guide Rock, Neb., is a pioneer firm of Poland China breeders at that place. For 15 years they have been almost constant exhibitors at the Nebraska State Fair and a part of that time at the annual shows at St. Joseph, Mo. They are going to hold two sales, one October 25 and their bred sow sale February 3. They have 80 spring pigs, besides 20 gilts of September and December farrow. These gilts are extra good and will be reserved for the bred sow sale. The fall sale will consist of early spring boars and a few of December and January last farrow. The balance will be nice gilts. A herd boar that has done good service in this herd and that is deserving of special mention of Referendum Jr., by Referendum. His dam was White Face Queen, a great sow in the A. N. Waechter herd, at Riverton, Neb. Referendum was also bred by Waechters and is now at the head of the H. B. Walter herd at Effingham, Kan. White Face Queen was sired by Prince I Am, a boar bred by A. B. Garrison. The Hamiltons are in line with the strongest lot of spring and fall stuff they have had in a long time. Both sales will be events watched by Poland China breeders everywhere. Both sales will be advertised in Farmers Mail and Breeze.

Mousel Bros.' Hereford Cattle.

Mousel Bros.' Hereford Cattle.

Mousel Bros.' Hereford Cattle.

Mousel Bros., Cambridge, Neb., are well known breeders of Hereford cattle and are advancing the interests of the breed every day. Their ranch near Cambridge, the home of their Hereford herd, which numbers over 250 head of fashionably bred cattle contains 2,400 acres, and is an ideal farm for the business. This is the home of Beau Mischief, the sire of the sensational offerings in their recent sales and elsewhere. He sired 12 bull calves that sold in February last sale for an average of \$455. In the 1912 and 1913 shows at Denver they exhibited and sold six Beau Mischief bull calves for an average of almost \$700 and this before the present high mark in prices. One of these calves went to Gudgell & Simpson, one, at \$950, to Will Hucheon of Bolckow, Mo. The dates for their next sale are December 30 and 31 at their farm near Cambridge. There will be an abundance of young bulls, helfers and young cows by Beau Mischief in this sale. Those who are at all familiar with the operations of Mousel Bros. in the past know it was never been their policy to make a dumping ground of their sale. On the contrary their offerings have always been of the best. Further announcements will appear in this paper concerning this sale later in the season.

Cross's Two Duroc Sales.

Cross's Two Duroc Sales.

A. T. Cross of Guide Rock, Neb., a breeder of Duroc-Jerseys, has 250 spring pigs, the tops of which will make up two sales. One October 30, a boar and gilt sale, the other February 25, a bred sow sale. Both sales will be held in Guide Rock. Last season Mr. Cross expected to make a bred sow sale. When he had finished gathering his corn from his fine Republican valley farm he found he had over 5,000 bushels of corn and he figured that he could make money by keeping the 50 choice sows he had selected and intended for this sale. The result was the 250 early spring pigs from which the two drafts will be made as mentioned. There are two herd boars in this herd that always deserve mention when it is in order to talk about herd boars. Prince Wonder 2d is a big massive fellow that has sired more good stuff in southern Nebraska and northern Kansas than most any other boar we know of. Col. C. is another boar that has proven his worth over and over again. Prince Wonder 2d was bred by Earnest Pancake and is one of the richest bred boars in the West. Col. C. was sired by G. C.'s Col. and his dam was by Model Chief Again. Mr. Cross has a lot of choice sows, the dams of these spring pigs. Also some summer and fall gilts. Anyone wishing to buy anything in this line should write Mr. Cross for prices.

N. E. Kansas and N. Missouri

BY C. H. WALKER.

W. J. Grist of Ozawkie, Kan., one of the state's leading breeders of Berkshires is a ffering at this time great bargains in bred sows due to farrow in June. They are of the very best breeding and sired by boars that have individual records as winners and producers. They are mated to boars of such breeding and individual merit as to guarantee their value. Write Mr. Grist for prices and particulars.

Moser & Fitzwater's Durocs.

Big type Durocs as bred by Moser & Fitzwater of Goff, Kan., are in strong demand. They report an excellent trade and write that they are sold out entirely of bred gilts. Their spring crop of pigs is extra good and they are offering now a selected lot of boars and gilts. Write them for prices and description.

Long's Blg Poland Bred Sows.

Long's Big Poland Bred Sows.

W. E. Long of Meriden, Kan., is offering a great line of big type Poland China bred sows, sired by Long Wonder (a double bred A Wonder) and King Mastodon 2nd, by King Mastodon and out of Lady Mastodon 96th, by the great A Wonder and bred to farrow in June to the service of Orange Model 2nd, a son of Big Orange and out of a Pawnee Lad sow and to Expansive Wonder a fine son of Expansive. These are yearlings and past and are extra good. They possess fine quality, are heavy of bone and the kind that will go out and make good Mr. Long's prices are mighty reasonable considering the values he is offering. Write or call and see these before buying.

Graner Makes Good Sale.

Graner Makes Good Sale.

H. C. Graner & Son, of Lancaster, Kan., held a very successful sale of bred glits at their farm Wednesday, May 27. A good crowd of breeders was in attendance, but the local farmers did not turn out as they should. It was a very busy time with them and it seems that it takes something more important than a hog sale to draw them from the fields. The offering was not large, about 30 head and they were sold in quick time by Cols. Sparks and Scott, Twenty-two glits, most of them not a year old until June and July sold for an average of around \$25. It was a good offering and those who bought will make good money. Prices ranged up to \$60. C. L. Branic of Hiawatha, Kan.. paid that price for a good yearling daughter of Guy's Monarch bred to Sampson Chief 2nd. Much interest was manifested in the Graner herd and the excellent spring crop of pigs he has this year. The following breeders bought stock in the sale: W. J. Adams, Everest; H. A. Dorsem, Lancaster; J. H. Etter, Elk City; H. B. Walter, Effingham; Jos. H. Orr, Leavenworth; W. B. Van Horn, Overbrook and

Poland China Bred Sows.

Registered Holstein Bulls!
Only 5 ready for service, and seven 8 to butter Kings, \$10,000 Milk and Butter Kings, and King Segis Hengerveid, nearly all out of A. R. O. dams. Prices \$85 to \$125. No females.

FROCK BROOK FARM Station B. Omaha, Nebraska.

JERSEY CATTLE.

Nalman's Bred Sows.

JERSEY CATTLE.

Nalman's Bred Sows.

JERSEY CATTLE.

Nalman's Bred Sows.

JOHN Nalman's splendld heg? of registered Poland Chinas at Alexand%a, Neb., was yellow there is not a herd or Poland Chinas at Alexand%a, Neb., was yellow there is not a herd or Poland Chinas at Alexand%a, Neb., was yellow there is not a herd or Poland Chinas in the past know with the properations of Mouse Bros. in the past know the last paper concerning this sale later in the season.

Nalman's Bred Sows.

JERSEY CATTLE.

Nalman's Bred Sows.

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Nalman's Bred Sows.

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ABERDEEN-ANGUS

DENTON'S Angus Bulls all sold lot coming on for fall trade. Write your war

ANGUS CATTLE

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

HEREFORDS.

KLAUS BROS.' HEREFORDS

A few choice young bulls and heifers for sale, sired y Fulfiller 3rd, Fulfiller 25th and Beau Onward. Our calf crop is the best we ever had.
KLAUS BROTHERS, BENDENA, KANSAS.

STAR BREEDING FARM

HEREFORDS AND DUROCS.

We are offering (40) two year old bulls, (25) bulls from twelve to fifteen months old. They are right, bred right. Sold singly or in carload lots.

SAM'L DRYBREAD, ELK CITY, KANSAS.

DAIRY CATTLE.

FOR SALE 35 choice young Holstein dairy cows, berd. Jack Hammel, 213 Adams St., Topeka, Kan.

Holstein-Friesian Bulls Prices right. H. N. HOLDEMAN, Meade, Kan.

HOLSTEINS FOR SALE 50 head registered bulls. 93 head milking and coming tresh grade helfers and cows.

M. P. KNUDSEN, Concordia, Kansas

Holstein Bred Cows and Heifers

"EIGHTY HEAD"
Choice individuals personally selected, Wisconsin bred, tuberculin tested, pure bred, unrecorded and high grade females, recorded bulls. Grade bull and helfer caives. ARNOLD & BRADY, Manhattan, Kans.

HOLSTEINS -CHOICE BULL CALVES

H. B. COWLES, TOPEKA, KANSAS. OAK HILL HOLSTEINS

Bulls ready for spring service by Shadybrook Gerben Sir Korndyke out of A. R. O. dams. Helfers bred. Also a few fresh cows. All tuberculin tested.

BEN SCHNEIDER, NORTONVILLE, KAN.

BANKS' FARM JERSEYS

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

W. N. BANKS, Independence, Kan.

Register of Merit Bull—Jersey

Year old. Solid fawn. Son of Flora's Golden Fern, 4 in R. of M. Dam Sultan's Beauty, 512 lbs., 1 year, when 23 months old. 8150,00. Bargain cannot be equalled. R. J. LINSCOTT, Holton, Kansas

GALLOWAYS.

G. E. CLARK.

CAPITAL VIEW GALLOWAYS.

12 Miles West of Topeka.

Can furnish car of good bulls ranging in ages from calves to 2-yr.-olds. Can suit your wants. Write

CAPITAL VIEW RANCH, Silver Lake, Kan.

GALLOWAY CATTLE and OXFORD DOWN SHEEP

C. S. HECHTNER, Box 66, Chariton, Iowa

POLLED DURHAMS.

Polled Durham Bulls

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

RED POLLED CATTLE.

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

Foster's Red Polls Write for prices on breeding stock C. E. FOSTER, R. R. 4, Eldorado, Kansas

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

PUREBRED HORSES.

Truman's Pioneer Stud Farm America's Largest Importers

Shire, Percheron and Belgian Horses Write for Illustrated Catalogue.
TRUMAN'S, Box E, BUSHNELL, ILLINOIS SHORTHORNS.

SHORTHORN CATTLE
POLAND CHINA SWINE and CLEVELAND
BAY HORSES, All stock pedigreed, Prices reasonble. Thos. B. Murphy & Sons. Corbin, Kas.

Glenwood Farms Announce

Shorthern Sale, bulls and cows June 6, 1913.

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

C. S. NEVIUS, CHILES, KAN.

MULE FOOT HOGS.

Mule-Footed Hogs The cominghogs of American DR. W. J. CONNER, LABETTE KANSAS

Mule Foot Hogs Bred gilts for spring pigs of February and March farrow, in pairs not related. ZENE G. HADLEY, Box D, Wilmington, Ohio

O. I. C. SWINE.

O.I.C.Boar Pigs HARRY HAYNES, Meriden, Kansas.

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

GOOKIN'S O. I. C. HOGS. Booking orders for F. C. GOOKIN, RUSSELL, KANSAS.

RUSSELL'S O. I. C.'s February and March ment. The large prolific type. Satisfaction guar-anteed. H. R. RUSSELL, Sedgwick, Kah.

O. I. Gs., Oxford Down Sheep, ROCKS 2 good boar pigs, large enough for service of the big boned, growthy kind. Also a few extra good gilts, bred to Commodore and out of Climax, one of "The kind that wins." W. W. WALTMIRE & SONS, Peculiar, Missour

Grand View Stock Farm
Choice O. I. C. fall gilts, bred or open.
White Wyandotte chickens. Eggs for sale
now. Stock in season. Write for prices. ANDREW KOSAR, GLASCO, KANSAS.

Neef's Cholera Immune O. I. C's. Pure bred seeds and S. C. R. I. Reds. Hogs all ages for sale at reasonable prices. Booking orders for spring pigs—boars and gilts. Have choice lot Reid's Yellow Dent, Boone Co. White and Cartner's seed corn at \$2.00 per bu. shelled and \$3.0 in ear. Recleaned Texas Red Rust Proof seed oats and seed rye. Some fancy S. C. R. I. Red cockerels at \$1.00 and \$2.00 each. Eggs for setting \$1.00 per 15, \$4.00 per 100. Riverside Farms, J. H. NEEF, Boonville, Mo.

HAMPSHIRES.



WRITE J. F. PRICE, Medora, Kans. For prices on Pedigreed

Hampshire Hogs

Write Dr. E. G. L. Harbour, Baldwin, Kan., for prices on good, thrifty, well belted Hampshire pigs, either sex. Priced to sell

PURE BRED HAMPSHIRES Breeding stock all sold. Booking orders for spring pigs. ALVIN LONG, Lyons, Kansas

REGISTERED HAMPSHIRES SUNNY SLOPE FARM, Frank H. Parks, Prop., Olathe, Kan.



Pedigreed Hampshires of various ages. Boars at wearing time only. Every hog properly vaccinated. C. E. Lowry, Oxford, Ks.

CLOVERDALE HAMPSHIRES!

A few gilts open or bred to order for fall litters. Booking orders for spring pigs in pairs or trios not akin sired by my four great boars. T. W. LAVELOCK, PRINCETON, KANSAS.

BERKSHIRES.



LEON A. WAIT'S Berkshires

Mr. Winn ever used on his herd. Insurgent is the sire of the futurity litter at the Illinois State Fair last year. These hogs will not stay in Mr. Winn's hands-long at the prices he is quoting. The first orders get the pick of the offering. Write him today mentioning Farmers Mail and Breeze.

W. Iowa and N. Nebraska

BY GEO. W. BERRY.

Registered Holstein bull calves are offered by H. B. Cowles of Topeka, Kan., owner of one of the oldest herds of high class Holsteins in the West This herd represents years of attention to the details of breeding and development and has been handled with the view of establishing a great producing herd. The cows are wonderful milkers and many of them have records that will interest all who are engaging in dairy business. Farties who desire to breed up or add to their herds of dairy cows should call on or write Mr. Cowles. When writing mention Farmers Mail and Breeze.

Galloway Bulls.

Galloway Buils.

G. E. Clark and W. W. Dunham, proprietors of Capital View Ranch, Topeka, Kan., offer a bunch of good buils suitable for immediate service. The Capital View herd is a very large one and represents the richest blood lines of this hardy breed of beef cattle. Visitors will be met at trains or hotels if notice is given in advance. The advertisement will be found in this journal. Mention Mail and Breeze when writing. in this journa when writing.

Bonnie View Durocs.

Bonnie View Durocs.

Searle & Cottle report the best trade in Duroc-Jerseys they have experienced in several years. During the past season this firm distributed Durocs in wide territory and supplied breeding stock and herd boars for a number of foundation herds. The spring crop of pigs is exceedingly promising. Messrs. Searle & Cottle state that they are receiving numerous inquiries for pigs, indications point to good business during the summer and fall months. The advertisement appears regularly in Farmers Mail and Breeze. Their address is Berryton. Kan. Visitors will be met in Topeka if notice is given in advance.

Top Berkshires.

E. D. King of Evrlington, Kan., topped the Kansas City hog market on April 16 with a carload of Berkshires averaging 38s pounds. The shipment consisted of sows and barrows culled for faults which Mr. King believed made them unsuitable to send out for breeding purposes. Clay Robinson & Son who made the sale for Mr. King said in their report, "These hogs had the quality." Mr. King has selected 150 choice sows in his large herd and is breeding to splendid boars for fall litters. Attention is directed to the advertisement of big type Berkshires in Farmers Mail and Breeze.

Big Orange Poland Chinas.

Big Orange Poland Chinas.

J. O. James of Braddyville, Iowa, is making a special offering of high class Poland Chinas. He has a few extra fall boars, ready for service which will be priced reasonable; also, a line of exceptionally choice boar pigs representing such sires as Big Orange, Big Sensation and Ott's Big Orange are exceedingly promising. They are large and growthy and have good, wide heads. Ott's Big Orange is conceded to be the best son of Big Orange, and his dam is one of the best daughters of the great show sow sire, Pawnee Lad. His first crop of pigs stamphim a splendid sire. Look for the advertisement in Farmers Mail and Breeze.

E. Iowa and Illinois

BY HARRY W. GRAHAM.

This is the last call for the William Galloway Farm's Dairy cow sale, to be held at the farms near Waterloo, Iowa, Thursday, June 19th. The offering will consist of imported and home bred Hoisteins and Ayrshires, fifty of the former and 36 of the latter. There will be found in this sale many great producers with good records. Everything is registered and the offering is one of the best to be held this year. If you have not done so, write at once for a catalogue which gives you full description of every animal in the sale.

Editorial News Notes.

There are 22 farm mutual fire insurance companies in Kansas. To one of these companies—The Farmers Alliance Insurance Co. of McPherson—the farmers of the state have given practically 130 millions of fire, lightning, windstorm, cyclone and tornado insurance during the past 24 years. By doing this these farmers have saved more than \$1,000,000 in premium money, while at the same time securing perfectly sound insurance. The Farmers Alliance Insurance Co. is now pointing out in its advertising what might have been saved by giving all Kansas fire insurance to Kansas mutuals, and it is "mighty interesting reading."

Look Out for Worms.

Hazlewood's Berkshires!

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

New York Valley Berkshires

30 gilts bred for August and September farrow. Some show prospects in open gilts and boars ready for service. 75 pigs, either sex, ready for shipment in May and June. J.T.Bayer, Yates Center, Ks.

Bred Berkshire Sows

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

W. J. GRIST, Ozawkie, Kan.

Lookabaugh's Shorthorns

Sold on Time at Private Treaty

Six or nine months if desired. What we want is your trial order. Young Heifers and Bulls at \$56, \$75, \$100 and up. Two Heifers and a Bull, not related, \$200 for the three—Others higher.



Over 200 Head From Which to Select

A great variety of prize winners and prize winning blood. If you want Breeding stock don't miss this opportunity. As many good Shorthorns cannot be seen on any other farm in the whole Southwest.

COWS WITH CALF AT FOOT AND RE-BRED.

RICHLY BRED YOUNG THINGS, SHOW PROSPECTS.

HANDSOME YOUNG BULLS, THE FARMER AND STOCKMAN KIND.

In fact a splendid array of foundation Shorthorns, that carry the blood of the best families and the most noted sires of the breed. Don't wait, but come and get your first pick. Visitors always welcome at Pleasant Valley Stock Farm. Write your wants today. Address

H. C. LOOKABAUGH, Watonga, Blaine Co., Okla.

Galloway Farms Annual Sale!

Waterloo, Iowa, June 19, 1913 86 HEAD Imported and Home bred. 50 Holstein-Frieslans, 16 Males, 35 Females. 36 Ayrshires; 8 Males and 28 Females.

All registered. Complete descriptive and illustrated catalog ready to mail on application. But 1,000 copies issued, write at once. A post card will bring it. Dairy cattle of high records from families of high records and the best known breeding in both breeds. Turn out, you can't afford to miss this sale and not take home some of the heavy producers from the Galloway Farms Herd.

A. BARHANS, Manager. WILLIAM GALLOWAY, Proprietor. WILLIAM GALLOWAY FARMS, WATERLOO, IOWA Col. D. L. Perry, Auctioneer. Harry Graham, Fieldman.

Registered GALLOWAY CATTI

We Breed Market Toppers." JAS. & W. R. CLELLAND, New Hampton, Mo.

Oldenburg German Coach Horses

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

DUROC-JERSEYS.

E. A. TRUMP, Formoso, Kan. Breeder of fashionable Duroc-Jerseys Stock for sale at all times. Write for prices and descriptions.

BRED GILTS I have an exceptionally to my prize winning boars for sale, bred right and fed right. Write for prices and description. CHAS. L. TAYLOR, OLEAN, MISSOURI

Duroc-Jersey Spring Pigs
Oark cherry, sired by Bull Moose Col. 188255, he by
King the Col. 89533 and out of large prolific sows,
of popular breeding, priced reasonable, and f. o. b.
your station Arthur A. Patterson, Ellsworth, Kan.

Deep Creek Herd Durocs?

Orders taken now for early spring pigs, dams either state fair prize winners or sired by prize winners. Write for low prices.

C. O. ANDERSON, MANHATTAN, KAN.

Good E. Nuff Again King 35203 Heads our great herd. Sale average: March 11. sows, \$77.50, sows and gilts, \$52.00. Write for prices, W. W. OTEY & SONS, Winfield, Kansas

Dreamland Colonel Summer and fall boars and gilts for sale. Everything immune. Nothing but desirable animals offered. Prices reasonable.

LEON CARTER, Asherville, Kau.

Bonnie View Farm Duroc-Jerseys: Fall and spring pigs. A few, choice summer boars and gilts, Plymouth Rocks: Eggs in season. sired by Quivera 106611. Searle & Cottle, Berryton, Ks. E. G. MUNSELL

DUROC-JERSEYS.

Duroc March Pigs \$9.00 and up, by Model and Tatarrax Boy. R. W. Baldwin, Conway, Kan.

Duroc Boars For Sale Zeke Col. by B. & C. Col., my great herd boar, also a few of his fall boars, price \$20. Good bone and thrifty. S.C. Buff Leghorn eggs \$1 per 15, \$4 per 100. JOHN PERRENOUD, HUMBOLDT, KAN.

HILLSIDE HERD

We offer spring pigs by Dandy Model 131782, pairs and trios not related. Write today about that young boar you need now. One 185-pound pig by J. R's Col, and ar good nee. W. A. Wood & Son, Elmdate, Kansas.

Big-Type DUROCS MOSER & FITZWATER, GOFF, KANSAS

Stith's DUROCS

Sows and gilts bred to and young boars and gilts by Model Duroc, one of the best sires of the breed. His half brother and sister were grand champions, His sire was a champion. Write today.

CHAS. STITH, Eureka, Kansas

HANNA'S DUROCS September boars, good boned, good backed stretchy fellows by Model Col. H. and McS' Tat, a good son of Tatarrax; also a few good open gills by the same sires. Satisfaction guaranteed.

A. J. HANNA, ELMDALE, KANSAS

Quivera Place Durocs

June

DUROC-JERSEYS.

DUROC-JERSEY BOAR Tine October boar, will weigh about 215 lbs., good breeding endition, at \$30. Satisfaction guaranteed or money reunded.

J. R. JACKSON, Kanopolis, Kansas-

Perfection Stock Farm Fail boars and glits, also orders booked or choice-apring pigs by State Fair Cham-dons. Pairs and trios not related. Prices right. CLASEN BROS., UNION CITY, OKLA.

FALL BOARS BY DREXEL'S PRIDE of my s-low hogs. Spring pigs by him and Wonder 112317, a sensational Orimson Again yearling. All choice and priced right. HUTCHISON, CLEVFLAND, MO.

TATARRAX HERD DUROCS Good fall gilts, open or bred, by the grand champ-ion Tatarrax and G. M.'s Tat Col. In good condition and priced right. Write today for further particu-ars. Hammond & Buskirk, Newton, Kan.

A FINE OFFERING Spring pigs C. Buddy, Watson's Col. and Model Top. Prices \$20 to \$25. R. C. WATSON, Altoona, Kansas.

10 Duroc Jersey Boars of summer and fall farrow. \$25 each to move them quick. Sired by Model Chief and out mature sows. Dana D. Shuck, Burr Oak, Jewell Co., Kansas

Bancroft's Durocs! We hold no public sales. Nothing but the best offered as breeding stock. 12 choice September boars. September gilts open or bred to order for fall litters. 90 March pigs. Pairs or trios notakin. Prices right. Customers in 8 states satisfied Describe what you want, we have it D. O. BANCROFT, OSBORNE, KANSAS.

POLAND CHINAS.

NEBRASKA TYPE POLANDS Choice summer and filts, by Haden's Big Hadley 2nd, Pan Wonder, and Nebry Chief. C. C. INGRAM, Bloomington, Neb.

Polands, with Size and Quality Bred sows also boars all ages for sale, sired by Wacchier's Reference Quanto and King Hadley, Lambert Bros., Smith Center, Kan.

Sunny Side Poland Chinas Sows bred for farrow, Stock priced right. Satisfaction guaranteed.
J. G. BURT, SOLOMON, KANSAS.

Klein's Tabor Valley Herd Big type Poland China fall gilts bred or open, sired by my Iowa boar and out of my big matured sows. Write for prices. open, sired by my low to big matured sows. Write for prices.

L. E. KLEIN, ZEANDALE, KANSAS.

THURSTON Poland Chinas

The large, smooth kind. Fall boars, handsome fellows by U. Wonder by A. Wonder, also gitts by this great son of A. Wonder and bred to Orange Lad by Big Orange. Thurston & Wood, Elmdale, Kan.

Special 30-DAYS OFFER Choice Poland China spring pigs, either sex, \$20, expressed. Certificate with every pig. Satisfaction guaranteed. Howard R. Ames, Maple Hill, Kan.

John Harter's September Boars 25 selected Sept. boars to pick from. Sired by Mogul's Monarch, Long King, Prince Hadley and Gebhart. Well grown and de-sirable as herd boars. Prices right. Satis-faction guaranteed. J. H. HARTEE, WESTMORELAND, KAN.

Bred Sows and Gilts. 15 choice last Sept. Poland China Gilts bred and safely passed over to Blue Valley Oak, by Blue Valley. Also some choice mature sows bred for last of Aug, and Sept. farrow to same boar. Prices reasonable. Good size with show yard quality. Write John L. Nalman, Alexandria, Neb.

A. D. JONES

has for sale 40 fall boars sired by 1,000 pound boars and from 600 and 800 pound dams; strictly big type Poland Chinas. I breed for length, bone, large litters and quick maturity. I also have 50 fall glits, to be in the market this fall and winter and 100 spring pigs that are doing fine.

Fall Boars all Sold

I am now offering a tried herd boar, an excellent individual and breeder. Priced when any good farmer can buy him. Also three January boars.

H. B. WALTER, Effingham, Kan.

Advance 60548

The half ton grand champion with an 11 inch bone and

Kansas Big Bone 65379

head my Black Mammoth herd of Poland Chinas. Herd sows are daughters or granddaugh-ters of that grand old sow Black Mammoth 127627 and sired by such boars as Expansion Wonder, Cowles' Tecumseh and Expansive Chief onder. Cowies Tecumsen and Expansive or entire 1913 spring crop priced to move them ick. The best boar pigs by Advance at \$25.00. I other boars and all gilts at \$20 each or two r \$35. All pigs guaranteed satisfactory. Buy od pigs now and save big express bills.

Paul E. Haworth
Lawrence, Kansas

ican Hampshire Swine Record Association, says: "There is nothing within my knowledge as good or as cheap as 'Sal Vet." He is supported in this claim by many agricultural colleges and by such prominent breeders as Hery L. Wardwell, Hon. A. J. Lovejoy, president of the International Livestock Exposition, Geo. McKerrow & Sons, Robert Blastock, Robert Evans, Roscoe Wood, C. O. Judd, C. A. Tyler, and hundreds of other leading lights in the livestock industry. Mr. Sidney R. Fell, president of the S. R. Feil Company, Mfg. Chemists, Cleveland, Ohio, who make this preparation, offers in his advertisement on page — to send any reader of this paper a full 60 days' supply of "Sal Vet" without a cent of pay in advance and with the plain understanding that if it does not do what he claimed for it, no charge will be made.

Give the Boys a Chance.

Give the Boys a Chance.

The farmer with a son or two who desire a larger share in the farm profits than the farmer can well afford to pay, may meet this want by investing in a Motor Hay Press, and in that way satisfy the boys, keep them home and increase his own income. A boy is a necessary member of every baling crew, and where the father and two or three sons operate the baler, the profits make a very handsome addition to the family income. The change of scene and occupation breaks the monotony of ordinary farm work, and boys enjoy the experience of helping run the hay press. The Sandwich Mfg. Company of Sandwich, Ili, put out a fine hay press. Why not write them today for copy of their catalog? They will be glad to send it to you if you will mention Farmers Mail and Breeze.

Increases Yield of Milk.

Increases Yield of Milk.

In this issue you will find an advertisement of Cow-Ease, a preparation for keeping the flies off cattle in the summer months. It will prevent lice and ticks, as well as the terrible pest of flies that worry the cows so much. Cow-Ease bears an excellent reputation and has many friends among the farmers. It is a well known fact, and has been proven by tabulated records kept by dairymen, that if Cow-Ease is applied during the summer months, it will increase the yield of milk at least 20 per cent and will keep the cows in a very healthy condition. It is registered under the Pure Food and Drugs Act, also under the Insecticide Act of 1910; and goes to the consumer in sealed packages. A strong point about this preparation is that it contains no inert ingredients, but guaranteed to be 100 per cent active. It is easily applied with a sprayer and is a clean, harmless liquid which does not gum the hair. Cow-Ease is made by Carpenter-Morton Company of Boston, Mass., and our readers can purchase it from local dealers, or take advantage of a trial offer direct from the manufacturers.

Treat and Train Your Own Horses

Prof. Gleason's Big Book, Given Free To Mail and Breeze Readers, Shows How To Prevent and Cure Most All Livestock Diseases and How to Break, Tame and Train Wildest Horses.

This is an announcement that should interest every reader of the Mail and Breeze who owns a horse or livestock of any kind. Professor O. W. Gleason's great veterinary hand-book is admittedly the most authoritative work of the kind ever published. It contains more than 500 profusely illustrated pages dealing with the cause and cure of practically every disease known to horses, cattle, sheep, poultry, swine and dogs, with tried out, proved remedies for each disease.

Realizing the need for knowledge such as this book contains we have purchased a large edition from the publishers and are going to distribute the entire lot on a very liberal and very attractive free gift offer among the readers of this paper.

per.
It is impossible in this limited space It is impossible in this limited space to name even a very small part of the hundreds of subjects covered in this great book. Gleason's Veterhary Ham. Book is based largely upon the works of Robert McCiure, M. D., V. S., one of the most uniformly successful veterinarians this country has ever produced. The methods of treating diseases of horses is known throughout the entire based upon the result of actual practice not mere theory as is the case with most veterinary books.

Among the many important chapters are Causes of Diseases, How to Observo Diseases, Treatment of Diseases, Cerebro Spinal Meningitis, Distemper, Dysentery, Eye Diseases, Fistula, Glanders, Internal Diseases, Kidney Diseases, Poisons, Stom ach Diseases, Bowel Diseases, Worms, etc., etc.

ach Diseases, Bower
etc., etc.
These are but a few of the hundreds
of important subjects covered in Part
One of this great book. Special chapters are devoted to the cause and curof practically every disease known co

ters are devoted to the cause and curof practically every disease known all livestock.

Part Two contains Prof. Gleaso.'s
Famous System of Horse Breaking,
Taming and Training, Gleason's marvelous skill in training and treating
horses and other domestic animals are
world and he is considered the world's
greatest authority in this field.

By a special arrangement direct with
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time to offer "Gleason's Horse Book"
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who send \$1.00 to pay for a one-year
new, renewal or extension subscription
to our big farm wackly. Send your
name and \$1.50 at once. MAIL AND
BREEZE, Dept. H. B-200, Topeka, Kan.

I like the Mail and Breeze the best of any farm journal I have ever read and do not want to miss an issue as long as I remain on a farm .- H. H. Hoobler, R. 4, Hooker, Okla.

POLAND CHINAS.

Poland China tried so we are J. F. FOLEY, Oronoque (Norten Co.), Kan

100 SPRING PIGS Sired by King Hadley, King John and Long John 2nd; orders booked for May and June delivery. W. Z. BAKER, Rich Hill, Mo.

Cleburne Breeding Farm!
Big type spotted Poland Chinas. Male pigs for sale, tall and spring pigs. Alfred Carlson, Cleburne, Ks.

Green Lawn Stock Farm of Adrian, Mo.
is offering 40 Fall and Winter Males that will weigh
from 150 to 250 each. No better Poland Chinas on
earth. Also a number of bred gilts.

JAS. T. ELLIS, ADRIAN, MISSOURI
Successor to A. J. Erhart & Sons.

Schneider's Poland Chinas A few toppy fall boars for sale, out of my best sows, by Guy's Expansion and Golddust Hadley, Also a great lot of Feb. and March pigs—pairs or trios. Joe Schneider, Nortonville, Kansas.

Big Type Polands!
Young boars ready for service and open gilts ready to breed. They are strong in the blood of Big Hadley and A Wonder. The big smooth kind Every description guaranteed. Call on or write A. R. ENOS, RAMONA, KANSAS.

COLUMBUS

The 1050-lb, Grand Champion, 1912, Nebraska, Kan-sas, Missouri and American Royal, heads my herd Big Type Poland Chinas R. B. BAIRD, Central City, Nebraska POLAND CHINAS.

Albright's Fall and Winter Soars and Gilts for sale. 40 head of nice amooth indi-viduals, sired by Cavett's Mastiff, by King Mastiff, and out of big type sows. Write for prices. A. L. ALBRIGHT. Waterville, Kansas

LARGE WITH PLENTY OF QUALITY! Handsome joung boars, gilts bred or open. Best of large type blood lines. Some boars, herd headers Satisfaction guaranteed on all breading stock. OLIVIER & SONS, DANVILLE, KANSAS.

Harry Hoak's Poland Chinas

Spring boars and glits, pairs and tries un-related. Fashionable big type blood lines. The finest lot of pigs we ever raised. Call or write today. HARRY HOAK, Attica, Kan.

POLAND

Bred sows at private sale. Also fall and spring boars. Sows bred to Tom Lipton, Welcomer, Iron Clad 2d and others. Priced right. Ask for prices and descriptions.

JOSEPH M. BAIER, ELMO, KANSAS.

Dean's Mastodon Polands Poland China hogs, the big-boned type, will weigh when mature, 800 to 1.000 lbs. Will sell a few boars of serviceable age, also choice brood sows and gilts, bred to my herd boars, for spring farrow. All

Immunized by Double Treatment Herd headed by Mastodon Price, Columbia Wonder and Gritter's Longfellow 3d. Everything guaran-teed and sold worth the money. Address CLARENCE DEAN, WESTON, MISSOURI



Royal Scion Farm Durocs

The great Graduate Col., assisted by Col. Scion, heads this herd. Spring and fall boars, some of them show and herd header material; also a few gilts and spring pigs. either sex. G. C. Norman, R. 10, Winfield, Kan.



MAMMOTH IDEAL BOARS and GILTS Mammoth Ideal 54659, one of the biggest and best boars of the breed, in service, assisted by Expansive B, by Expansive. I can supply your wants in herd boar material in choice breeding gilts. Get my descriptions and prices before buying.

M. T. WILLIAMS, VALLEY FALLS, KANSAS

PLEASANT HILL STOCK FARM POLANDS Hong s Bost, Sampson ax and algore's Halvor, a trio of unusually fine big-type boars in service. Booking orders now for spring boars and gilts—over 100 head to select from. These are bred right, fed right and priced right. HENRY GRANER & SON, LANCASTER, KANSAS.

Robinson's Mammoth Poland Chinas! My herd boars weigh from 800 to 1,025 lbs. Now have for sale, two good tried boars and a few extra good last fall pigs of both sexes. My-terms are: If you are not satisfied return the hog and I return your meney.

F. P. ROBINSON, Maryville, Mo.

BIG TYPE BRED SOWS FOR SALE

Daughters of Long Wonder (a double bred A Wonder) and King Mastodon 2nd, bred for May and June farrow, to Orange Model 2nd, by Big Orange and out of a Pawnee Lad dam and to Expansive Wonder, by Expansive. These are extra good, strictly big Expansive. W. E. LONG, Meriden, Kansas type with quality and will please. Write or call.

BIG TYPE UNPAMPERED BERKSHIRES 200 sows bred to Fair Rival 10th, King's 4th Masterplece, Truetype, King's Truetype, and the great show boar King's 10th Masterplece. All long large and heavy boned. Sows farrow all through April, May and June. Open gilts and boars ready for service. Not a poor back or foot. Every man his money's worth.

E. D. KING. Burlington. Kansas

EX B. by EXPANSIVE one of the greatest breeding boars of the day heads my herd of over 250 head. Two Booking orders for spring pigs. Write or call. W. E. WEBB, BENDENA, KANSAS.

Big Orange, Big Sensation & Ott's Big Orange

in service in my herd of POLAND CHINAS. For sale—Pigs of both sexes, and boars of most all ages of the correct type that will please you.

J. O. JAMES, Braddyville, Iowa



Pleasant Valley Stock Farm! **Big Boned Poland Chinas** H. C. LOOKABAUGH, Prop.

We are now offering a few choice fall boars at choice prices. They are the kind that make good. Satisfaction guaranteed. Address

L. W. CUTRIGHT, Mgr., Watonga, Okla.

Great Bargai

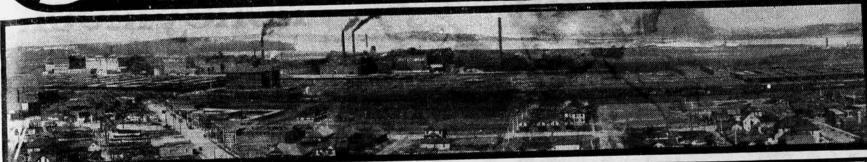
F. D. Winn, owner of the greatest prize-winning herd of Poland Chinas in the world, is offering at greatly reduced prices 15 bred sows and gilts, 8 late fall boars and 50 early spring pigs to close them out quick. They are sired by Master Meddler 2nd-the greatest boar ever owned by F. D. Winn and Insurgent, sire of the famous winning futurity litter at the Illinois State Fair last year. The best will go first.

FRANK D. WINN, Randolph, Mo.



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Capital and Surplus \$200 000



Live Stock Com. Co. ALL MARKETS

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P. S. Shipping live stock to a good firm is like mak-

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We have seen the St. Joseph market grow from its infancy, having been here 25 years. We count our patrons by the thousands because we have dence because we have done their confiness right. Write us, wire us and ship us.

A. H. Baker Vera Dunn A. H. Baker . E. E. Gabbert

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Live Stock Commission Corporation STOCK YARDS

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Excello Feed Milling Co. St. Joseph, Mo.

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EXCELLO

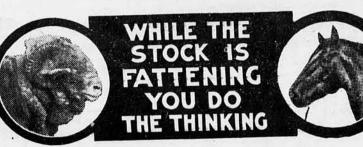
Your Good Friend

Is the Friend Who Helps to **Better Your Condition** from Year to Year

In a nutshell, that is one of the reasons why shippers of the West and Southwest are becoming more friendly to the St. Joseph Live Stock market every year.

The competition established by St. Joseph brought the whole Missouri River market to a parity with the East, regardless of freight differentials.

This in turn has made the St. Joseph trade territory the richest, most prosperous the world has ever known.



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Drinkard Emmert & Co. LIVESTOCK

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Some Saddle **Right Price**

Weight 35 lbs., 17-in. bulge \$32.50

tures of this saddle: The weight, 35 nds; 17-in. swell bulge; the price, 50. Order now—the price is right—'t delay. This saddle sent C. O. D., ght prepaid for examination. If sadis not as represented return at our

H. & M. HARNESS SHOP, Stock Yards, St. Joseph, Mo.

Transit House



Unexcelled Cafe. Best service; moderate prices. When you come to St. Joseph, try the Transit.
A. W. MACDOUGALL, Manager.

SWANSON NEW COMER 4-WHEEL RIDING LISTER.

Screw shaft regulates suction, whether ister runs deepor shallow. Requires on 1 y 3 horses. For prices and terms write

SWANSON-ST. JOSEPH PLOW CO. ST. JOSEPH, MO.





Henry Hutt, whose beautiful cover designs you have seen on leading publications such as The Ladies' Home Journal, Life, The Saturday Evening Post and other national magazines, was asked to give his idea of the message of Montgomery Ward & Company's new Catalogue. He said "I believe more young couples have been able to start on their honeymons." start on their honeymoons, relieved of care through the savings made by buying through Montgomery Ward & Co.'s Catalogue than you can ever realize."

So we commissioned Mr. Hutt to convey this message to you because we knew he was right.

Naturally the birds who are building their nests have no time to talk about how they are doing it.

In after years many a contented young couple write us saying how impossible it would have been to spread out their little available cash if they had not been able to buy the furnish-ings of their new homes so economically through the Ward Catalogue.

That is part of the joy of this great business—but it is nor confined to the young people.

Both old and young are realizing more day by day how much better it is to conserve their dollars by buying in the modern way through Bargaintown's great text book-our new Catalogue of 1000 pages.

Have you seen a copy of this great book? Have you studied the hundred thousand articles graphically pictured and truthfully described.

If not, there is a copy waiting for you.

And it will be sent without a cent of expense-except the cost of the stamp spent in writing to us.

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R. F. D.