


## Let's Consider the Land Problems

CLEAR thinking is needed in solving the land problems of this country. These are of the greatest fundamental importance.
The most prosperous and satisfactory agriculture can be developed only on a basis of home owners, yet despite this axiom the proportion of farm tenants is increasing in the United States. The percentage in 1880 was 25.6 per cent; 1890, 28.4; 1900, 35.3 and 1910, 37. It is believed that the proportion shown by the census of this year will be between 45 and 50 per cent. Many sections already have a larger share, Sumner county has 55 per cent of tenants, and Lincoln township in Pratt county, which in 1880 had 13 per cent of tenants, now has more than 60 per cent. De Kalb county, Illinois, has 72 per cent.

Advanced thinking and legislation are required to change this tendency; we need an increasing proportion of owners. What will these changes be? That is for the people to decide, and some fundamental thinking on the part of all classes of society will tend to bring these about. In other nations the land question has been met by bloody revolution, but in America we are going to solve it by the orderly processes of law and development, in a fundamental manner, which will insure justice for all. Let's study these problems. It will be possible to give the industrious, efficient tenants a better chance to become owners.

Many solutions of the land problem are proposed. Kansas voters will have an opportunity to record their wishes at the next general election on three amendments to the Kansas constitution which have to do with the land problems. There has been much discussion on these amendments in some communities, and doubtless there will be much more. Certainly everyone should investigate carefully before making up his mind as to which way he will vote.

Gradually the idea is becoming plain that we are entering a new era in land problems as they reltte to young men, for the days of free government land have passed. The idea now is to get the acreage available handled in the most efficient way, and this never can be obtained with tenants except perhaps in a few cases which are not representative. It takes the stimulation of ownership to make a man put forth his maximum efforts in production, and to work out methods which will conserve the soil fertility.

If there is a general demand from the people for advanced legislation affecting the soil it will be passed. Land ownership is fundamental in working out the happy social life which we all hope for in the New Day in agriculture which is just at hand. The destiny of the business of farming in Kansas is at stake in the way it is worked out. $\dot{A}$ real study of these problems will be of the greatest value in developing a policy that will insure justice for all of the people at all times.


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"But they wouldn't sell mea battery at all. Just took a few minutes to open up $m y$ old one, and showed me its plates were still too sound to justify the deal. Said they'd repair it and guarantee it for eight months.'
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as lively as a colt ever since. I can see it's going to last a lot longer than the guarantee period, too."
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## Seedbed for Sorghums <br> \section*{BY R. I. THROCKMORTON}

The frequent low yields and imma. ture crops of sorghums in Kansas is sufficient cause for serious thong concerning the preparation of land for these crops. The failure of sorghums to mature has caused many of the more thoughtful farmers to change their method of seedbed preparation, seed earlier strains. One of the princt. pal causes of late maturing and injury from drouth is late preparation of the seedbed whether it be plowing or listing. Late, shallow preparation causes shaliow rooting which means a smalles feeding area for the plant and conse quently a slower growth and greater outstanding causes of low yields sorghums is a poor stand,

> Tillage in the Fall

In the central and western parts of the state, listing is recognized as being much better than plowing in preparation for sorghums, buit in the eastern part of the state, plowing and surface planting is preferable. Where listing is practiced the field should be shallow listed in the fall, leaving the furrows open thru the winter to catch all snow or rain. This system leaves the ground rough so that no blowing can occur and is the cheapest and best method of handing the son until the frost is out been fall or winter. After ground bas tion may be done in one of prepara depending on the season If the spring is dry, it may be preferable to plant in is dry, it may be preferable to plant in opened the previous fall. If the sprin is wet and weeds begin to grow befor planting time, the lister cultivato should be used to destroy weeds and loosen the soil. Planting may be done, when the ground is sufficiently warm, by throwing out the bottom of the old furrows or by splitting the ridges. The latter method is preferable as it make weed control easier. When the sor ghum is to be planted by splitting the ridges, the fall listing should be some what deeper than when the sorghum to be planted in the same furrow the following spring. The highest average yield will doubtless be obtained by fall listing, early spring cultivation, and This method has a decided advanta over listing at planting time without previous preparation in that it insure previous preparation in that it insures at planting and makes it possible destroy many of the weeds before thin crop is planted. In addition to these facts, the rough condition produced is fall listing causes the soil to become warm earlice in the spring which is an important factor in sorghum production. At times it is not possible to fall winter list in preparation for sorghum. When this condition exists the should be disked in the spring as as possible and should have additional diskings frequently enough to destros all weed growth. All weeds should be destroyed before the crop is planied Altho this method cannot be expect to give results equal to fall listing, is preferable to spring listing witho previous preparation.

Surface Planting
Surface planting is preferable to listing in Eastern Kansas because of the greater possibility of obtaining a goud of a soil. Surface planted crops are also less subject to injury from heavy spring rains than are listed crops. Where surface planting is practiced the gromd should be fall or winter plowed and main in a rough condition until spring. This will enable the soil to catch and hold the snow and rain of winter and eing in a rough condition, the surface soin will become dry quite early in spring thus allowing early spring (i) ing and ample opportunity to wis weeds berore the crop is planted. practice of fall plowing and sur late planting win do muen to overcome terl maturing

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# KANSAS FARMER ${ }^{\text {xo }}$ MAIL \& BREEZE 

AThumbyreis Publisher

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## A Profit From Sheep

## The Small Farm Flocks in Kansas are Producing Excellent Results as a Rule Where They are Given Intelligent Care

FROM AN investment of $\$ 210$ in 30 ewes C. M. Todd, of Shawnee county, sold in three years $\$ 1,216.64$ worth of lambs and he saved 41 ewe lambs, adding them to his breeding flock and butchered a few for home use. This helped to reduce his meat bill. Mr. Todd bought these ewes in December, 1914, paying $\$ 7$ apiece for them. In less than ix months he sold 30 lambs for $\$ 219$ and 262 pounds of wool for $\$ 60.26$. Eight ewe lambs ralued at $\$ 47.80$ were kept to go into the breeding flock. The next year he sold 29 lambs for $\$ 253.18$ and 320 pounds of wool for $\$ 99.20$. Thirteen ewe lambs valued at $\$ 104$ were kept. The next year 32 lambs were sold for $\$ 357$. The wool clip of 380 pounds brought 60 cents a pound or $\$ 228$. Twenty lambs valued at $\$ 200$ were retained 191831 ewes produced 47 lambs. spring of 191831 ewes produced 47 lambs. Some of these lambs came in January, and by May were weighing 75 or 80 pounds. The foundation ewes were grade shing Todd has been using Lincoln rams.
H. W. McAfee, a Shawnee county farmer who has had a small flock of sheep on his farm for several years, says that from the standpoint of movey invested, his sheep are his start almost able farm enterprise. He farm sale for a by acciaent. And as was leaving the aucshort time, and as he was leaving the auctioneer asked him if he would not leave a bid to start the 16 ewes to be sold. His bid or $\$ 4.2$ self in the sheep business without any premeditation.

## Prefers Small Flocks

Mr. McAfee does not let his flock get above 30 head. He insists that a flock of this size on 100-acre farm costs practically nothing in feed. Alfalfa hay and bluegrass pasture late in the fall and early in the spring, with otres arm wastes in the shape of weeds and grass ultivated fields, keep the ewes in good condiultivated fields, keep the ewes in good condiien, and no grain is required, except," while the MeAfee, "I did not feed more than $\$ 5$ worth of rain to the whole flock. Fourteen ewes pro ared 28 lambs. There were 10 pairs of twins, wo sets of triplets and two singles. Five ewes the flock failed to produce lambs or else lost ne in the pasture., ${ }^{\text {proctuce }}$ This flock has averaged e than 11 pounds of wool to the animal, and year it sold for 50 cents a pound. I asked Mcafee recently how he sold his lambs. Mid the family had learned to like lamb so that he butchered a good many at home, his neighbors were always asking for fat
Sheep have been money-makers for Kansas neep have been money-makers figo have handled them right during last few years. There is danperhaps, that men inexpeienced with sheep may attempt to
tart on too large a scale. It is tart on too large a scale. It is
asy to lose money by plunging in heep. It has been my observation hat the safest way is to start with If few ewes and learn the business is the flock increases. I recall the experience of a boy in Crawford county, who started by trading a pet wether which he had raised by hand for a bred ewe. In six years he had a flock of 35
toost of them descendants of this thost of them descendants of this flock one A single ewe in his wool and also raised twin lambs. On mos On most farms the flock should never become more than a side feed Handled in this way the missed. In fact will never be almost live on farm wastes and the wool live on farm wastes and counted as clear profit. M. L. Rob-

By G. C. Wheeler


#### Abstract

SHEEP produce two of the essentials of life-clothes and meat. Mutton is now becoming as important a considerationing to copreciste the palatability beginning to appreciate the palatability and helpruiness of this meat, which can be produced at 20 per cent less cost than beef. There is no mystery connected with intelligent care, but require less attention during the busy season than any other farm animal. A flock of sheep on a Kansas farm should excite no more comment than a flock of chickens. The farmer who will keep a small flock, giving them the care to which they are entitled, can expect a good return on his investment.


Inson, a Franklin county farmer who has handled a small flock in this way for several years, finds that his ewes have made him an average in has produced as an average a 175 per cent lamb crop, or at the rate of 35 lambs from 20 ewes He feeds only what is raised on his farm. At lambing time he gives the closest attention to the flock, seeing that every lamb connects with its milk supply immediately. This may requir little loss of sleep, but it is the only seaso when such close attention is demanded. Dur ing the lambing season he feeds the ewes oats in addition to hay and fodder.
Mr. Robinson saves for breeding ewes only ewe lambs born twins. They are not permitted to produce lambs until they are 2 years old. He keeps two registered rams of good type for 50 ewes, during the breeding season running them with the flock on alternate days. This insures having all the lambs come within a short period and reduces to a minimum the extra work during the lambing period.
J. H. Wendt of McPherson county gives two reasons for keeping a small flock of sheep. They are the most profitable animals on his farm and they keep the place free of weeds. In 1917 he sold his wool for $\$ 128$ and roised 29 lambs which brought from $\$ 7$ to $\$ 9$ apiece in July and August. He figu.
expense is about $\$ 2$ a head.
Sheep successes have not been confined to Eastern Kansas. August F. Hahn of Sheridan county has found a small flock very profitable. He made his start in 1913 by purchasing six registered ewes and a ram for $\$ 100$. They produced eight lambs the next spring, He sold
three ram lambs as breeders for $\$ 12.50$ apiece,
kept three ewes for the breeding flock and but chered two for home use when they were 10 months old and weighed 140 pounds each. The noxt year the six ewes produced seven lambs, five of which he sold for $\$ 9$ apiece. By this time his neighbors, who had strongly advise him against attempting to raise sheep in West在 the wh what he was in flock
"If you wish to make money handling shee n the easiest and surest way possible," sai rank Mills of Nemaha county, whom I visite ecently, "buy the right kind of Western ewe and breed them to good rams." Mr. Mills is farming more than 300 acres, and he says he is too busy to spend the time necessary to properiy handle a purebred far 70 flock. Ho 19 hil lambs and wool from 0 ewes, bought the hall efore, sold for $\$ 102$ more than the ewe two orms. They sheared 770 pounds of wool which ald for 905 . The 74 lambs averaged 68 pounds old for in weight and brought about $\$ 12.60$ apiece, or been. He said he bought $21 / 2$ tons of alfalfa for the flock, costing $\$ 52.50$ and about $\$ 50$ worth of grain. All the rest of their feed was picked of grain. All the rest of their feed was picked field of wheat and also had access to a good bluegrass pasture. No account had been taken of the pasture and waste feed they had conof the pasture and waste feed they had con-
sumed. Shearing cost $\$ 14$. Five ewes were lost during the year.

## Western Ewes are Thrifty

"I'hese Western ewes are free from stomach worms, are more hardy and are better rustlers than native sheep," said Mr. Mills. He goes to the stockyards at Omaha and gets the best commission men on the market to help him select the ewes. It is necessary to guard against getting cld, broken-mouthed ewes. Wills in mouthed evere heth the ing Western ew 3 or 4 years old, rather than vounger The poung or 4 years oh, rath ewes are inexperienced mothers and the busy man shmply the see that every ewe owns her iamb and is giving see that every ewion Young ewe anaring twin lambs frequently refuse to own one and it perishes unless the owner is at hand to see that perishes unless the owner is at hand to see that way that she must accept two lambs.
"In handling sheep in this way sell the ewes as well as the lambs and buy fresh ones from about stomach worms," continued Mr. Mills, in explaining the advantages of his method of making money with sheep. He sold 40 ewes in making money with sheep. He sold 40 ewes in July to Delbert Chanel, a neighbor
boy. His present flock consists of boy. His present flock consists of
165 ewes, The weather was cold and raw the day of my visit, and we found the ewes and their lambs grazing on the bluegrass In a portion of the pasture where some trees and underbrush provided shelter from the wind. A aight they are in a yard and have end and having a central portion filled with hay to the ground The 140 ewes purchased last fal ost $\$ 10$ apiece laid down in Havensville.

Be sure to have plenty or rams in the flock," advised Mr Mills, "at least one to 50 ewes. He had two with his 70 ewes and the lambs all came within three weeks. He advises turning the cams with the flock the first of the last few will bring the lambs the last few days of February and
thru March. (Con. on Page 9.)

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## Passing Comment-By T.A.McNeal

IT HAS been offered as an excuse for profiteering that the American people prefer to pay a high price for what they have to 10 -cent store certain articles were placed on the 5 -cent counter and the same kind of articles were placed on a 10 -cent counter. He said that the manager of the store told him that more people bought these articles from the 10 -cent than from the 5 -cent counter.
If that statement is true, the people paid 10 cents rather than 5 cents because they supposed and had the right to suppose that articles sold sold for 5 cents sold for 5 cents. People have a right to assume level and will not offer goods at two prices.
level and will not offer goods at two prices.
gard to shoes. A certain shoe merchant is reported to have said that he tried to sell shoes at a moderate price and nobody bought. Then he marked the same shoes up 100 per cent and sold them readily. If that is true it simply shows that the merchant deliberately imposed on the ignorance and credulity of the purchasers.
They assumed, and not without reason, that in They assumed, and not without reason, that in these times of high prices, any moderate priced
article must necessarily be of inferior quality article must necessarily be of inferior quality
and that the only way to get shoes worth wearand that the only way to get shoes worth wear-
ing was to pay a big price. They did not know enough about the quality of leather to form an intelligent judgment and assumed that because The shoes were marked up they must be of much Now the merchant who would take advantage of this ignorance and credulity is no more honest han the bunco man or the operator of the shell game. He simply robbed the purchaser out of all over a reasonable profit on his shoes. There may be fools in the world who would deliberately hand money over to a merchant and get nothing in return, but they are certainly the
rare exceptions. There are millions of people rare exceptions. There are millions of people
being skinned every day, but generally speaking, being skinned every day, but generally speaking,
they do not know that they are being skinned they do not know that they are being skinned
until the operation has been performed, and very until the operation has been
often they never find it out.

## The Primary Election

O
NE OF OUR subscribers, W. D. Harry, who used to live at Kinsley, Kan, but who now in interest in politics as I see from the Free mont County (Colo.) Leader. He has been watching the effect of the primary election laws and concludes that while calculated to insure the selection of the best candidates, the tendency is to disrupt party organization
thing. There is certainly not the same a bad thing. There is certainly not the same feeling years ago. it is no longer considered a disgrace to scratch a ticket. In fact. most men now openly declare that they will not vote for a candidate on their own party ticket who does not
suit them. This does not necessarily mean a disruption of parties. However, it ought to mean that par-
ties will be more careful in selecting nominees. There are undoubtedly objections to be urged to the general primary, but they are nowhere
nearly so serious as the objections to the old nearly so
methods.

## Denominational Colleges

0E OF our readers, S. A. Bassett, of Home onominational schools. "If the denomi
eniticing
enter national colleges," says Mr. Bassett, "would lay neant a gradual lining up by the side of such institutions as Yale, Harvard and Cornell, their patronage would multiply amazingly. The peoervice and we see hundreds and thousande go ha to the technical schools in consequence. ffort to get more soung men to take up the all, or apparent call to fill vacant fields. "I am surrounded here by the members of prejudice against the idea of evolution and
real science course in college among these fami
real science course in college among these fami-
lies is a shame. . The American Fed eration of Teachers is crying out against the domineering and despotic attitude of the clergy and laity who are dictating to the schools what shall be taught and what shall be considered heretical. As long as the public stands for the church meddling with the schools, history will continue to repeat itself."
I certainly am as much opposed as Mr. Bas sett can be to the churches interfering with our schools, that is our public schools, but if there has been such an attempt in recent years out here in Kansas I am not aware of it. No doubt there are bigoted church men who would like ligious ideas, but I think they are in a decided minority even among church members.

## The Reds

ASUBSCRIBER at Liberal, Kan., writes me xpressing his opinion of the reds and the arses that produce them. He admits tha they are a peril to the country but is of the result of the injustice and unfairness practiced by the money power known as "big pusiness" and the general dishonesty and incompetence in government.

Probably this subscriber takes too pessimistic a view of the situation but he is right in thinking that growth of dangerous radicalism is almost wholly due to the selfishness of that class who have only one object in life and that is to gather in great profits and accumulate vas wealth without earning it

## Rural High Schools

MFRIEND, F. M. Howell of Rice county an enthusiastic advocate of the rura Sterling Bulletin he says in part: "The to the from the farms to the crowded cities of exodus and girls from the rural communities is a boy ling and serious problem, which is vexing the minds of the home folks on the farm, also many of the expert workers in community affairs ar gravely concerned and are grappling with the problem and as a result many theories and reme dies are being advanced
"However, under the miscroscpe of the expert rural community investigator and the scientific deducer of facts from theories, we discover there

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are three real fundamentals that if put into practice will practically solve the difficulty. church houses, and special amphasis, modern termined attitude towards the rural high a dewhere every boy and girl can receive a high school education right at home and surrounded by those environments and ideals such as are found nowhere else in all the world except on the farm.
"The home, the church and the rural high school is a combination unbeatable and only thru the combined efficiency of this can the rural communities hold the best of our boys and girls on the farm where growth and development "will be under natural and happy condiions.
They are putting this idea into practice out n Mr. Howell's neighborhood and apparently with success. He concludes hi
following personal experience: "Personally I am a
iast and a patron of Union 5 high school enthuIt is a splendid school, well located for adding additional territory south. east and west for the support of a rural high school. Many of the patrons of Union 5 are intensely interested as also are our neighbors in the surrounding contiguous territory. We could have 20 common school graduates next winter and at the end of four years by the time the first class of 20 were ready to graduate we could have more than 100 practically grown younger people in our high school department, to say nothing of the 125 or more in the grades.
dead' with more than a community as being dead' with more than 225 or 250 young persons In it with their happy faces in the home, their sistible spirit in all community affairs? This is a practicable and logical possibility in Union 5 amazingly easy to put across providing we go about it in the right spirit and a realization that it is of mutual interest we should work together for the betterment of rural conditions and that we are so constituted as human beings that it is impossible to help others without helping ourselves.
When the time comes, as I hope it will, when the state of Kansas will be divided into approxi mately 2,000 consolidated grade and high schools, with modern, beautiful buildings, each surrounded with a beautifully kept campus lly arranged and shrubbery ample play gronnds swimming pools, lining halls and modern equipment the pools, ditions will be so much more attractive than those connected with the ordinary town or city high school, that the children of the cities and towns will envy the boys and giris in the country and the drift of population from the country to the cities and towns will be stopped.

## Radical Propaganda

AWEEK or two weeks ago I wrote an edito paragraph or two concerning strikes radicals were undertaking either to capture or destroy the American Federation of Labor and that they had fomented the coal and steel strikes against the adrice of the conservative leadership or the feder merely a radical Socialist who lives in Oklahoma wrote me a most abusive letter, calling me various sent sundry uncomplimentary names and also cialist papers, most of them abusing Gomper even more than they abused the hated "capital ists."
Just what the Oklahoma reader is hot about I do not quite understand. That the radical ir-
reconcilable element in organized labor circles incited the strikes mentioned there is no doubt Furthermore. Fred $G$. Biedencamp, radical leader, very frankly declares that the more
successful strikes are the better. He declares successful strikes are the better. He declares
that he and his followers encourage strikes in order that thes may fail. His idea is that the unsuccessful strike causes discontent among the workers and also destroys confidence
f Labor. Biedencamp is also quoted as say ing: "We fan class hatred. What is our mis sion. We, laborer that his employer in his nat ural enemy."
I had not accused the radical leaders of going as far as their own
I frequently have wondered why radical labor eaders never advocate the aequiring of industrial plants by the workers themselves. It is quite certain that the losses to the workers occasioned by strikes if saved would soon amount to enough to pay for a number or important industrial plants. If there are profits in the business, the warkers being the owners, would reap them. In other
apitalists themselves. of this kind tried out. Within a comparatively cw years the laborers might own a majority of the mines and industrial plants of the counry. That would, of course, eliminate strikes so ar as the worker-owned plants were concerned and the owners of other mines and industrial re at the same price as the worker-owned conerns and pay the same rate for wages. Either hat would happes or they would soon go out of business.

## Wheels in Their Heads

ASUBSCRIBER of the Kansas Farmer and Mail and Breeze, Harry Leclerk, of Burrton, Kan., writes me that he recalls reading one of my editorials the statement that it was urprising how many of the people one m
and talks with have wheels in their heads.
nd talks with have wheels in their heads. "At that time," continues Mr. Leclerk, "I
thought you were mistaken, but on closer obserthought you were mistaken, but on closer obser-
vation I find that you were correct. Some ration I find that you were correct. Some Writers have put the estimate at ce pay that the draft proved this; that about They say that the draft proved this; that about io per cent of the drafted were men of and that they had minds of chilhren about 10 years old. There never has been a time when people have gone as wild and crazy n speculation as at the present. There is no limit to the amount of money they will borrow, provided they can get it, to finanee all kinds of peculation. A banker recently told me he had turned down three requests from persons desirused in wildcat speculations.
"They plunge in cattle and hogs, borrowing the money, paying interest, renting pasture and husing feed. I never knew a man to make money that way. The men of my acquaintance
who have made money in stock raising are those who have made money in stock raising are those
who have adopted a conservative policy, raising what cattle and hogs they could care for without liring much help and feeding the grain and hay they raised themselves. It is very difficutt to heat the system of keeping a reasonable number
of good brood sows, what milk cows you and of good brood sows, what milk cows you and
your family can take care of, separating the your family can take care of, separating the
ream and selling it, feeding the skimmilk to ream and selling it, feeding the skimmilk to
pigs and calves; rotating crops, featuring corn, pigs and calves; rotating crops, featuring corn,
alfalfa, cowpeas and rye; feeding the alfalfa to alfalfa, cowpeas and rye; feeding the alfalia to manure to the land. The man who follows that Wstem will be doing business at the old stand
'There seems to be a desire on the part of the ounger generation of farmers to take a short cat to wealth. They do not care to use economy
and thrift; in fact, they do not know what that the thrift; in fact, they do not know what that means. I fear they are doomed to disappoint-
ment." The farmer who owns his land, does most of his own work, keeps out of debt and wises moderately good sense, may not get very ought really to be the best contented man alive. Mr: Leclerk's advice is good. Only a few men re capable of making a success on borrowed apital.

## The Marvel Mill

$M^{\text {r }}$OLD friend, James H. Lathrop, has left with me an extended article on the new custom grist mill known as the Marvel grist mill, which he thinks is going to co-operation among the farmers. This mill can be put up for a small cost comparatively speak-
ing. It is estimated that the mill and elevator can be put up for not to exceed $\$ 10,000$ and this would mean a mill with a capacity of from 50 to 75 barrels a day. Some of these small mills are in operation; one at La wrence, which lready located in competition with the big mill The bakers of Lawrence, I am told, are much leased with the flour made by this new mill. ow it is part of my old friend Lathrop's scheme onave a co-operative mill, co-operative elevator
and co-operative bakery combined. of course he farmers would not get all their baking done farmers would not get all their baking done
the co-operative bakery, but they could in the co-operative bakery, but they could in
now ge to the middlemen between the wheat grower and the ultimate consumer. It is estimated that the wheat for which the farmer even at present prices gets about $\$ 0$, costs the people who buy therbread made frem that same. wheat, not less than $\$ 36$. There is too much difference between the price of the wheat and the price of the bread. With a co-operative mill, elevator and bakery the farmers interested should get all out of the wheat to which they question of how much profit has been made at their expense.
I am interested in this as in any other movement toward co-operation. The fact is that the way for producers to cure the ins they complain of is to combine themseives in co-operative associations. Laws against protiteering will accomplish but little. They have the remedy in their own hands if they will only get together and use it.

## Why They Leave the Farm

A
FARMER subscriber writes: "I notice that article in the Kansas Farmer and Mail and Breeze under the heading, "Why They Leave the being honest in his opinions, but I also am sure that he-is mistaken in his conclusions. 1 beour school system and I also think parents are our school system and I aiso think I often have hesrd the remark made by thonghtless parents that they desired to give their children the benefit of an education; that they didn't wish them to work as hard as they had been compelled to work. I don't like the impression such dope is likely to leave on the student mind, for when they say goodbye to school they reach the conclusion that their starting place should be somewhere pretty well up the line.
"If the impression were created that honest toil is only paving the way to success, it might help to convince some of these wind-tanned boys and girls that the old farm with its many, but varied duties, with its fellowship of good clean soeiety, with the pleasure of that fishing party just after the corn is planted, with the growing crops, young stock of all kinds, the hum of the busy bee, and above all the confidence and re spect of your rural associates, is not half bad atter an, compared win the stufry office and the same old grind day after day. The office man is compelled to ask the foreman for a lay-off if he wishes to see a sick fiend and, if scarcely has time to get acquainted with them.
"I well remember when I was taken with that city mania. I could scarcely wait until I was 21 so that I would have the right to go. Well, I got the Western Kansas fever and by the time I got the Western Kansas fever and by the time I got thru with it I forgot all about the city, could. I did not have any false dignity and was willing to work at such work as I was capable of doing. It was farm work and it took me two years to get square with the world.
"Then I met and married a trusting little girl who is with me yet and helping pull the load. We own a good farm of 160 acres with a well improved, modern, up-to-date dwelling such as the wise writer tells us to provide, so that our children will stay on the farm. But they are not staying. Why?
question if you can.
"Two of them completed high school. The oldest graduated from Kansas University and the second is now in the University of Chicago studying law. They are both good industrious boys, free from bad habits, but they seem to be thru with the farm. My third son, a lad of about 20, didn't care for the high school. He completed the rural school at 15, and I think will stick to the farm. And now just a word in regard to the influence of the high school. am not chump enough to condemn education. feel the need of it too keenly myself, but I wish to say that I live in a community where the people are not so enthusiastic about extensive schooling. They are agriculturists, and are industrious, thrifty people, a credit to the com munity. They have increased from a handful of people 45 years ago until at present they own about half of the county and from present in dications they are likely to absorb all of it soon. They ride in automobiles and are strong on jov life and very few of them leave the farm. joy life and very few of them leave the farm.
Have you the answer?"

Now that is a very interesting letter but the writer has reached no conclusion and white he starts out by saying that I am mistaken, he he is, a successfut farmer. He has three boys, all good industrious lads according to his own statement, but two of them either have left or will leave the farm. Why?

Not knowing these young men, of course I cannot answer that question. It may be that neither of them is adapted to farm work. If so they would not make a success as farmers. good fouming that they are caleulated to na either of the what inducement is there for has 160 acres among his three does not care to ans that if they are all to become farmers two of them must either buy or rent farms. At present prices for good farm land there would be little inducement for these young men to undertake to buy farms and I assume that neither one
of them would be willing to become renters. of them would be willing to become renters.
What is there then for them to do but leave the farm?

The writer asks me for the answer. In my opinton the answer is that farming must be made as attractive socially and financially as boye ind cirls win star on the farms and the boys and giris will stay on the farms and not fir then. Secondly, the ge cral coption oill be regarded as one of the learned professions, finstead of one in which a liberal pducation is not necessary but rather a detriment Eyidently the writer of this letter still has in the back of his head, the idea that education is not at all necessary to the farmer. Of course if that is correct, we had better abolish our higher edncational institutions, for the effect of these institutions must necessarily be to lead boys and girls away from the farm. I think the answer is in changing our agricultural system from an individual to a co-operative system. This could be brought about in one of two ways: Establish great corporation farming communities in which each of the workers will be a stockholder. The corporation would not only carry on the farm in the most up-to-date scientifie manner, but it would also carry on every other line of business necessary to manu facture the raw into the finished product. The schools established and maintained by the corporation would be correlated with the busines of the corporation and there would be offere right there all the opportunities for educated young men that could be found anywheré.
A second plan would be to have individual ownership of lands, and the amount of land owned by each individual timited to a reasonable acreage. However, the machinery necessary to cultivate these lands should be owned collectively so that each farm land owner would have the advantage of the best machinery regardless of whether he was rich or poor. Buyng, marketing, and so far as possible, manu acturing of the raw product should also be co-operative. In short, co-operation is the answer to the question.

## Are the People Too Extravagant?

EXTRAVAGANCE undoubtedly plays a large part in the saturnalia of profiteering that is gripping the country. I was uring a recent visit to New York City, where went to attend a meeting of newspaper pubishers. The meeting was held at the Waldorf Astoria hotel, and so I took my lunch at this place. Fancy having to pay $\$ 3.50$ for just an ordinary meal. I had a piece of meat, not a large piece; sweet potatoes, bread, butter, coffee and a piece of pie. I suppose 50 cents would easily cover the amount the farmer got out or doabt whether much more than half that sum doabt whether much more than half that sum charge was for the preparation of the food and the service. It constitutes senseless and indethe service. It
Yet my experience is typical. It is repeated many thousands of times in New York every day. In a less degree the same thing is going on all over the country. Millions of Americans every day are permitting themselves to be thus imposed upon. Other hundreds of thousands who have made more money than is good for them during and since the war are encouraging sueh profiteering by their reckless extravagance. Tiffany's, the great jewelry store, never has dene such a busjness before. B. Altman \& Co., and other of the great metropolitan stores, are constantly thronged with customers who buy never ask the price. So long as the merchants can sell anything they have on their shelves for any price they may ask prices will


## A Larger Supply of Grapes

 the Cultivation and in PruningTHe GROWING of grapes is dein Kansas. Certainly this is a mighty satisfactory fruit, which farms. It is easy to produce.
Most varieties are propagated easily by hardwood cuttings taken before the hard winter freezes come. These usually are three-bud cuttings, made growth and preferably from those having short internodes or joints. The lower cut usually is made close to the lower bud and the upper cut some distance above the upper bud. It is customary to tie these cuttings in bundles and store them, bottom up, in pits below the frost line or in a cool place in the, cellar. They are set in the nursery row the following spring, usually slanting to the south so as not cats the direct rays of the sun, and the soil vines are best for setting unless the vines are bes rive "two vears big" as often happens when the season is favorable.

Set $71 / 2$ Feet Each Way
Grapes usually are set $71 / 2$ to 8 feet each way, tho the less vigorous varieties, such
During the first year grape vines should be allowed to trail upon the ground, and should be tied to stakes only during the second year. Begin of trellis should be supplied.
The trellis most frequently seen The trellis most frequentiy seen in
and the Munsen or horizontal-arm trel- low the cross-arm, and other wires are is. The one principle on which successful grape training and pruning depends is that the fruit is borne upon shoots which grow from buds formed the previous season. The 1 -year-old canes are the bearing wood, and the
different forms of trellis vary the amount. of old wood the vines carry. In the "fan" system on the wire fence trellis, a minimum of old wood is retained, Two to six canes of the preceding year's growth are retained,
their length depending on the age and vigor of the vine, but usually from 3 to 6 feet long, this depending also on the number of canes to be retained. Commercial growers count on saving
from 35 to 50 eyes or buds, depending on the vigor of the vines.
Where it is essential to grow the Where it is essential to grow the canes are retained. All commercial growers attempt to save the bearing wood from canes having short internodes or joints between the buds. Heavy canes with long internodes
usually mean poorly developed and poorly matured wood. Whatever poorly matured wood. Whatever should produce a lateral upon which should be borne an average of two to three clusters of grapes. If a fair proportion of these clusters reaches maturity, the yield a vine may often reach
fruit.
The Munsen or horizontal-arm trellis consists of posts which carry a crossarm 18 inches long, bolted or wired
to it at a height of $51 / 2$ feet. A wire
carried at each end of the cross arm Easy picking, an assurance of ventilation and an abundance of shade for the fruit are advantages of this system, as it distributes the foliage over a greater surface.
ing known as the arm-and the pruntem is practiced. In the use of thssystem practiced. In the use of this wires, and short spurs of new wood each bearing one or more eves are left when pruning.
The method of training is of less importance than the number of good, vigfruit, tho the grower must plan to renew the upright canes as often as possible and keep the vines in a thrifty condition. It has proved advantageous to remove all old wood as often as possible without interfering with fruit production.

Vines should be permitted to grow on the ground at will the first year. The second year but two vigorous canes should be retained, and these cut back to a few buds. During this season the canes usually are tied to stakes. Be-
ginning with the third year the ginning with the third year the vines should be tied to the trellis. The
vigor of the vine is calculated, and vigor of the vine is calculated, and
from 15 to 25 buds may be retained for a small crop of fruit. be retained third year from 35 to 50 buds are the tained for the season's crop.

Duing the summer the careful grower will give the vines occasional attention, training them in the desired direction and pinching or cutting back canes, as his system may require

Summer pruning, to let in the sun and to throw strength of vine into fruit best returns better than. Pruning at int pruning The pruning during the dormant sea. son may be done at almost any time after the leaves fall until spring, tho many growers like to wait until spring to take an inventory of winter injury before selecting the buds that are to produce the season's crop. Some grom. first time than is necessary food tho first time than is necessary, for the same reason. This permits them to redull season. The second pruning permite selection of the more vigorous

## To Tie the Vines

Almost any material may be used to the vines. Binding twine is used the frequently, perhaps, than any the material except the products of ows for ties some growers grow wil rowers like to give the twined, many turn about the wite to pre a donble ping along the wire and the resultan bruising and sawing of the come The list of varieties of grapes offered by the nurseryman is a long ore. The classification is quite clabfrom several species of native can grapes, and many have result from hybridizing these species, The European wine or raisin has been used in producing hybrids The most widely known varieties the Concord and Moore's Early, and they have proved generally satisfactors.

## To Protect Farm Crops

Much Progress Can be Made on Most Farms in Sowing Seeds Which are Reasonably Pure and of Strong Vitality

MORE CARE is needed with the farm. seeds in Kansas. the seed testing work at the Kansas State Agricultural college, and by the experiences of farmers. The college examined 500 samples for purity last year.
Of the 121 samples of alfalfa seed examined, 67 , or more than 50 per cent, contained as many as 15 impurities apiece. The impurities included both weed seeds and seeds of crops other than alfalfa. Seeds of 83 weeds were found in the 121 samples. As many as 18 impurities were found in one sample. Even more striking results were obtained with the Red
clover samples, in which 112 different clover samples, in which 112 different weeds were found. One sample con-
tained 50 different impurities, and 90 tained 50 different impurities, and 90 per cer cent or more of impurities. 1 per cent or more of impurities.
Somewhat similar comments can be made about the seed of other crops. These samples may or may not have been representative of what Kansas farmers are using. There can be no doubt that a fairly large quantity of impure seed is planted every year, and that it is responsible in a large, measure for low yields and poor quality of crops. Moreover, the use of impure seed is one of the principal means of spreading and perpetuating noxious weeds on Kansas farms.
A further difficulty in our seed supply situation is the frequent occurrence of unfavorable seasons in different parts of the state. A severe drouth ply of one or more erops sup pall frost may prevent such An early corn and the sorghums from maturing a satisfactory crop of seed, so the supply of seed is reduced or the germinat ing power is lessened, or both. The in point. Early frosts or other con affect the progluction of seed corn in

By F. D. Farrell
that part of the state. To be satisfactory in Western Kansas, corn must be of the acclimated seed is seriously reduced, it cannot be supplemented satisfactorily from seed produced farther east. Hence there is a seed shortage until a year or two later when more local seed is available. This feature
of our seed supply situation deserves of our seed supply situation deserves
more attention than it has been remore at
Another element of uncertainty involves the character of the seed supply; that is, the kind of seed available tell in advance how much seed of a

A Field of Kanred Whent; Good Seed is Essential if Farm
Produce the Most Profitable Returns for the Owner.
particular variety will he fortheoming at a particular time, and the farsfying himself that difficulty in satis exactly what it purports to be. The ase of Kanred wheat illustrates this point. Kanred appears so much like Turkey and Kharkof that it is difficult to distinguish one from the other. The similarity is so close that an unserupulous person might as easily sell Turkey or Kharkof as Kanred, and thus discredit the new variety and deceive the farmer. In connection trains of fied and other improved course of development, we need to ourse of development,

evolve a satisfactory method wherebs a farmer purchasing seed of one these improved varieties may be as certain that he is getting what he pa There is perhaps no single method solving all the problems of our field crop seed supply. The situation is a complex one. In the main, farmers must solve their own problems wits whatever aid the state can give them, chiefly in the way of information and suggestion, and perhaps some reguls tion. The first thing is to recognize more clearly than we commonly do the importance of seed supply in our crop industries. Once we do this we done to improve the situation; what is equally important, we can sef that it will pay us to take the pains necessary to do them.
Every farmer should test his field crop seed for germination planting. Generally speaking, the ac cepted rates of seeding are based on plants seed of low germinating without knowing or suspecting is likely to seed at the ordinary and as a result secure a poor stand and subsequently an unsatisfacto yield. Moreover, if he suspects the germination is low, he is likely to use too much seed and thus frequentiv obtain a stand that is too thick. pecially when dry weather comes.
he ascertains the germination of seed before planting, he can adjust rate of seeding in accordance witi germinating power of the seed he If the germinating power is found to he too low to be safe, he can obtain
hetter seed. In the-absence of sone such procedure the state is bound to contain every year thousands of fiel with unsatisfactory stands-som
thick and others too thin-and fields are one of the most importaut factors in depressing our average
yields and in reducing the farm profits

## To Supply Running Water

## Modern Homes are Being Built in Kansas Which Have Pressure Systems Installed, and These Save Much Labor

PUNYING water. piped thruout is not a rural luxury. It has ,ocome a rural necessity. housewife has come to realize nd to know that the efficient
 upply, Tooay the raruer is be
convineed that in taliling to have pressure water system on his pressure water system on passing up an opportunty outlay of effort.
Eutlay of effort.
E. Kassebaum of Menoken, These men are pressure water These men are pressure water
onverts. Both have commodwell built homes. Go to either Ask him the thing about his which he is most proud. He will one of two things-either his $y$ stem or his electric light plant water systems on these farms running water to the farm home tbuildings. On the Burgess farm e is obtained from a storage on a hill above the house. iter is forced thru the main to lse by gravity and the pressure
icient to carry it to the second pump keeps the reservoir or tank full, and a plentiful sup: ater is always available in the at the house and barn. This also supplies water to irrigate f bluegrass and shrubbery.
Two Tanks are Used
E Kassebaum farm the water including the well, is in the hard and one for soft water. pump, run by power from the pump, run by power from the ull, forcing the water into them he pressure is sufficient to carry available, both houses are d with sewers and sewage displants.
he Kassebaum farm three septic and more than 200 feet of drain ive a capacity for 15 persons. may be a large capacity, but Mr. aum points out that it results in rom the sewage disposal plant. first rural water systems of
there is a record consisted of there is a record consiste than ildings. Later water from springs iped to storage tanks or barress troughs. This plan, from a
standpoint, was dangerous as oughs were open and the wa asily become contaminated.
pipe, when developed, solved pipe, when developed, solved
oblem of sanitation, because the could be buried. It also made te the piping of water to upper in houses. The elevated storage oon followed the underground system and is in extensive use
The elevated tank may be made The elevated tank may be made
and placed at any height, thus ug any desired pressure. It also rable because it affords a large
of water at all times for fightsadvantage of the elevated tank the water may freeze. If the made frost proof, the expense ruction for ordinary use is, for ne capacity equipment, usually
han for either the hydro-pneuor the non-storage method. first hydro-pneumatic plants ago. These plants are operated cing water into a closed iron or nk, which compresses the air on the water and forms stored or power to deliver the water hirds full of water, a pressure of ands to the square inch is at-
If the tank is three-quarters water the pressure is 45 pounds square inch.
of installation, where only a amount of water is needed and hand power is used, is as low as
he the tank and pump. The pipfanktures are extra.
tank must be protected from

By Ray Yarnell
freezing and it usually is placed in the lack of adequate arrangements for wabasement or buried in the ground. Proision should always be made for cleantion the tank to prevent contaminaand other foreign matter settling in the bottom of the tank.
To install a "non-storage" water sysvoir or tank, an air compressor, with power to operate it, a set of fittings, uch as pressure gauges, air and water valves, air and water pipe and one or more pneumatic pumps.
A pneumatic pump is used to force water out of a closed receptacle by the use of compressed air. By filling an ordinary range boiler with water and ntroducing compressed air at 44 pounds pressure at the top and connecting a discharge water pipe at the bottom, the and elevated 100 feet, since the weight and elevated 100 feet, since the weight 44 pounds to the square inch of area exposed.
The principle of operation is simple but the first inventors discovered that he mechanical construction of the necexhautst valves was a difficult problem About five years ago the first single ylinder pneumatic pumps were brought out. This construction eliminated the troublesome shifting mechanism used in the double .cylinder pumps. Only one air inlet, one air exhaust or air outle and one water inlet were necessary Two ordinary copper floats, with air and water pressure, did all the work.
With the arerage farmer handicapped because of the labor shortage any machine which will relieve a man of labor is a valuable asset to him. Investigations indicate that there is a many farms as a result of the lack of water systems. Careful experiments made by state agricultural colleges, county agents and dairy cow breeder 3 to 10 pounds more milk a day, on the same feed, where water at a temp erature of from 40 to 48 degrees is al ways available, than where water is supplied two or three times a day. Proper watering of the $231 / 2$ million cows in the United States, as estimated by the United States Department of Agriculture January 1, 1919, would increase the production of milk by $671 / 2$ million pounds a day. At 3 cents a worth 2 million dollars a day or 730 million dollars a year.
The United States Census Bureau says there are more than 6 million farms in the United States. Water in the house and barn probably would save 1 hour a day on every farm, or 6
million hours a day. Valued at only 20 cents an hour this time would be 20 cents an hour this time would be

Ignoring the probable loss sustained
Ignoring the probable loss sustained


Geod System of Supplying Water Under Pressure is Essential in n Modern
Country Home, and Much Progress is Belng Made Along This Line
pitman connections. If one will ex-
amine these parts now, there will be time to order repairs.
The filling of a sickle bar with new sections or replacing a few worn o broken ones is a simple matter. The easiest way to remove an old section is to place the sickle bar on the edge of an anvil, with sections pointing down, hold firmly and hit the back of the section a smart blow with a heavy hammer. This is quicker and easie than the cold chisel and punch method for one blow of the hammer will cu both rivets. It is easy to rivet the new sections to the sickie bar arter the moine the bar to see if it has bex amine the brum is repaired if it hee a few taps with a hammer will put it back in condition.
The guards usually are in bad condition after the run of the previous season. It usually is advisable to replace all the ledger plates with new ones every year. One must be careful to see that the rivet which holds the ledger plate is hammered down so the surface is smooth. The slightest-projection will often cause the sickle to catch and therefore cause much annoyance. A sharp cold chisel will aid in removing the projection.

Badly worn pitman irons or knife heads cannot be repaired and must be replaced with new ones.
Many farmers take the "play" out of worn pitman boxings by lining them with a thin sheet of copper. This will aid in increasing the service from pitman boxings and it is cheaper than buying new ones.
If the boxing is of the babbit-lined type it can be rebabbited if worn badly. The old babbit must be remored first, and the surface cleaned, surfaber will not adhere to a dirty surface. A piece of rosin the size of a aid in eliminating dross and air holes aid in eliminating dross and air holes. Care must be taken that the moisture
does not come in contact with the hot babbit, because this will cause it to explode.
The guards have a tendency to work loose. It is a good plan to examine them every day the machine is used If they habitually work loose, it is best to remove the old bolt and replace it with a new one. The cause of most loose guards usually is that the threads of the bolt will not hold.
One can often find the repairs he needs on discarded machines or around juuk piles. Several dollars often can be sared by using repairs froin a

## Rock Island Dairy Train

During the past two weeks the Chi cago, Rock Island \& Pacific Railroad company has been conducting a specia western Oklahoma and Southwestern Kansas. Meetings were held in Oklahoma at Tyrone. April 20; Hooker April 21: Guymon. April 23; Goodwell, April 23, and Texhoma, Apri! 24. Teetings were held in Kunsas at Pratt April 26 ; Wellsford. April 27; Haviland, April 28 ; Greensburg, April 29 ; Mullinville, April 30; Bucklin, May 1; Kingsdown, May 3; Minneola, May 4 Fowler, May 5 ; Meade, May 6 ; Plains, May 7, and Liberal, May 8
These meetings were well attended by farmers, dairymen, bankers, business men and poultrymen. Special talks were made at these meetings by
Prof. J. B. Fitch and Prof. W. J. Pe Prof. J. B. Fitch and Prof. W. J. Pe-
tersen of the dairy department of the tersen of the dairy department of the Kansas State Agricultural college; Prof. N. L. Haris, poultry specialist of Kansas State Agricultural college, and Kansas State Agricultural college, and the Chicago. Rock Island \& Pacific Railroad company, also made addresses The advantages of purebred stock were emphasized at these meetings and all dairymen were urged to use nothing
but purebred dairy sires. The advan tages of purebred poultry also were tages of purebred poultry aiso were
stressed. The county agents in all of the counties visited took an active part

## Letters Fresh From the Field

Farmers Discuss Poultry Raising, Profiteering, Farming With Tractors, Dairying, Compulsory Military Training and Other Important Subjects

FARMERS are urged to make to put down the oppressors, and the free use of this page which is extortioners. Many unborn generations
set aside for their use. Letters will not see our war debt settled. All set aside for their use. Letters will not see our war debt setted. Al
on dairying, poultry farming, the institutions of different names and growing crops, feeding and marketing ivestock, rural schools, -good roads, farming with tractors, fighting the high cost of living, profiteering, and other matters of general
are especially desired.
Short letters are especially aesired. short letters will answer oul purposs that we agree will papent adress all communica. oo acept. fions intende Kansas Farmer and Mail and Breeze, Kansas Topeka, Kan.

## Enjoys Washington Comment

I enjoy reading the Washington Comment of Senator Capper very much. He is hitting the nail on the head every time We certainly need more men like Senator Capper to look
作 welfare of the common people. The time has come when all the big corporations must be controlled by the overnment. Whould be given a jail senlaw they should be given a jail sentreatment accorded to other criminals.
Something must be done to keep the oys and girls on the farm, The present products and skyrocketing the prices poducts and skill farmer buys will soon drive all of our young people to the big cities. No one can accuse farmers of being profiteers.
Heñessey, Okla. E. G. Barnard.

## -Makes Money Selling Eggs

 By setting eggs from winter layers only I have improved my floek of hens. I have raised Single Comb Rhode Island Reds for eight years and never have passed a day without getting eggs, except in winter. Now 15 selo 30 dozen eggs a week from 40 hens and 100 pullets. I always keep hens and 100 pullets. I atways keep account of the feed, part of which webuy and part of which we raise. also keep account of the eggs and chickens sold. I know my flock has been greatly improved by getting eggs from winter layers. - Some hens wil ay only in the spring, however good the feed. These hens I cull out and I set eggs only from good winter layers, setting them in February. My best layers seldom sit. I have some 2 -year old hens that never become broody and I find these make the best records I have cockerels from heavy egg lay ing strains. Every year 1 can see a
great improvement. For the past wingreat improvement. For three times as many eggs from 140 hens as I got from 200 hens a few years ago. I have only common hen house with scratching turn my hens out when the frost-is on the ground or when a chilly wind is blowing or when it is cold and wet. make my chickens scratch for their feed and give them clean water and skimmilk to drink I keep oyste shells, grit, water and bran before them all the time. My other feed is mostly oats and kafir.
My hens cost me $\$ 1$ a day to feed thru the winter. I sold in Decembe 59 dozen eggs for $\$ 35.40$ and in Jan uary 128 dozen for $\$ 65.18$. The highest price, received in December, was, 77 58 cents. I do not think there is any thing on the farm more profitable than of good flock of chi

Lawrence, Kan.
rs. Carrie Cooper

Favors Capper for President
, heartily approve of Senator Capper's position in regard to profiteering. A very large majority of the comorders are grasping for the last penn hey can wrest from the people. self is in fover of putting Arthur self is in favor of putting Arthur Cap Lieb, Texas.

W, F.

## Farmers are Robbed

1 ew an article in an Eastern pubthe mid by senator Capper relative to the producer and consumer. I couldn't resist writing to compliment him on this article which is the best I ever read. The country needs men like him. I hope he will meet with success in his enterprises as the true friend of the are certainly in need of friends like Senator Capper Ronald J, Pfeifer Jeffersonvill.

Farms With a Tractor
Our first tractor, a Mogul S-16, was onght in the fall of 1916. We used it pulling three 14 -inch plows of the
power lift class, thus enabling one man operate it alone without difficulty. Later we used it for listing, pulfing double row lister and listing more than 120 acres of land. But our one mistake was in buying the lister. We eeded one immediately and according. y took the first one available. It was hand lift and necessitated the use of Disking operate it.
Disking was also the work of this ractor. In 1917 we disked a considrable amount of our wheat ground. But a foot one way disk.
But last summer, the wheat crop being very large and threshing maided to buy one of our own We deired one that could be run with a tractor of about our size, so we ordered a 0-32 Racine separator. As the Mogul eing only an $8-16$ was not powerful enough to handle it, we traded it in and got a Titan 10-20 instead.
We received the Titan immediately but as the separator was not to arrive for several days, we started in disking and disked about 40 acres of land which was weedy.
A's soon as the grain separator ar ived and was assembled we started in to thresh, and were able to thresh about 1 bushel a minute when in good
running order. running order.


Good Roads and Motor Trucks are Helping Farmers to Market Their Fall

During the entire run of three weeks he only trouble and expense we had besides oil was when we burned out a earing.
After threshing we used our tractor for seeding wheat, pulling two 10 -foot at an average of 40 acres a day.
We also used it for rumning our en silage cutter, sawing wood and running the feed grinder. For these jobs
truly say it cannot be excelled.
dily say it cannot be excelled. Summing it up I will say that the tractor has come to revolutionize farm with a form of moderate size cessfally operate it without a tracto sujted to his acreage. Herndon. Kan $\qquad$ John Franke.

## Millions in Poultry

The poultry industry of America, and especially our beloved state of Kansas, is only in its infancy but the wildering millions like runs into be our Uncle Sam like the war debt o looked so bright for the busy hen Within 10 rears the population of the United States will be 150 million. In addition to these we will always have
hen I changed to Cotswold bucks. T gives me a larger sheep and a little heavier fleece. The good Cotswoid buck pretty white-faced smooth gives pretty white-faced smooth large
which sell well on the market lambs came in March last year rom 100 ewes I raised 110 sams Robinson \& Co., at St. Joseph They brought me about $\$ 12$ a hea I sold the wool clip from the flo 100 head for $\$ 5$ a fleece, mak total income of $\$ 17$ a head. have the' ewes which lambed in ary. You see I will have an cartie lamb next summer that will bring little more money than last year.
I will say that a flock of good breed Ing ewes are the best paying livestoc I can handle. They don't take muel feed as I shift them aroúnd ov farm where they keep the rank growth of vegetation cleared up that is trouble some in the spring and summer
One wool clip and one lamb from a flock of good ewes will pay for their cost. I would say to the begin ner don't buy too large a flock gin with and if you keep them in shed or barn not too warm and le them have plenty of exercise they wil make you money and it will be pleasure to have them.
Atwood, Kan. $\qquad$ Frank Turner:

## Success in Dairying

Many a time the question is asked by men starting in the dairy busines which breed do you think is, best? This question is often difficult to answer i so far as it concerns the personal pre erence for a breed. Some persons lik the Holstein cow. Others prefer the Jersey or Guernsey and it is therefor always safe practice to start with that breed which you like, for the any bree carries the possibility of success, ro breed that suits best your taste.

When once started with a breed, bear in mind that it pa, stick to that type for changing of unless you have made a mistake beginining. I believe every bre pretty well adapted to any climate vided of course the proper care eeding are given to the animals other question is still the soil conditio If well nourished animals of rich so are brought to poor territories they a likely to retrograde in many ways, are care and soil improvement clude by saying that it is not the breed that leads to success but the manage ment of the person, who starts in this business.

## Broomfield. Colo.

## A Tractor Hitch

Nearly every farmer is interested in new uses and hitches for the tractor Those who already have tractors de sire to widen their scope of nitility an those who have not, wish to know mor of the general usefulness of tractio power.
We recently had occasion to more a two room house about $3 / 4$ mile other part of the farm. It was load for one 12-20 tractor so was procured from a neigbbor two were hitched side by side telephone pole of medium size double-tree. This double-tree for about one vard of travel got a 4 inch by 4 inch of the length and rigged what I call a hitch. Chains from the two cor the skidding frame were cross
run to the opposite ends of the by 4 inch forming a figure $X$ is a strong equalizing hitch and paratively light timber will gerve.
Lakin, Kan.
Paul Burs.

## KANSAS ${ }^{2}$ FARMER AND MAIL AND BREEZE

## Real Printed Matter

BY T. W. MORSE
"My Breeding Herd" is the title of My Breedog just issued by a promia hent Shorthorn cattle breeder of the
nent nent west. But this book so far de-
Southwe frem the usual plan of a livestock catalog, and so far advances beyond what hemptofore has been done in that line that this mention seems warranted. In jnstfee to the interest of many readers we should state that the catalog is issued by H. C. Lookabaugh. It
is $a$ book of 120 pages, bound loose is a book of 120 pages, bound loose leaf style, so that pages may be removed or added as- desired. Mr. Lookabaugh will keep a record of all Shorthorn breeders how has and as beeding animals books, and as hew he can supply them come into new catalog pages, or can notify with new catalog pages, or can notify tien when any are dropped. This
gives each a complete record of the herd, in which there one som with a history of the herd's development and carries a liberal and extremely interesting line of illustrations. The work is a printers' masterpiece, in two colors on enameled stock, with a special cover adapted to the "loose leaf" idea. - But the feature which may appeal most to other men in the purebred livetetock business is the record of the
breeding herd. The pages, which are breeding herd. The pages, which are pedigrees to the page and under each pedigree of a brood cow are blanks for keeping a record of her produce and its disposal, for four years.
On the title page of his catalog Mr. Lookabaugh says: "A Step- In the Commercialization of the Cattle Business." i should say it is a step in add-
ing permanence and interest to both the conmercial side and the professional side of the business.
still better characterization is found in Mr. Lookabaugh's dedication of the book, which he addresses: "To
the Slrorthorn Cow," and in which he says:
"The destinies of men are shaped thru various agencies. Some acknowledge their allegiance to lofty tdeals, others worship the lives of characters iu history. Emerson said, 'Hitch your Wagon to a Star,' but it was the Shorthorn Cow that shaped my destiny. It ation were turned into profits. She chuse my associates from among the btalwart men who are engaged in her batwart men who are engaged vision
propagation. She elevated my viser froun the level of the horizon to a conception of greater purposes in life. The sentiments and emotions which have wech created within me as a result of
thise associations and this newer vision have become the bread of my very existence. Obligations I acknowledge, and as an individual I would feel lackiug in the qualities of a true citizen were I not to impart to others some of the lessons I have learned thru my experiences, associations and observa-

## A Profit from Sheep

(Continued from Pagé 3.)
1 was interested in the results the tiing, hout did not have time to visit hilu, "He has not have time to visit said Mr. Mills. It seems he had just been over to dock the lambs and castrate the rams, for the boy was inexperienced with sheep. This developed she ep. Humdreds of "bucky" lambs (h) long trailing tails go to market Norkel. year. All lambs should be 4 they are 14 weeks old should be trated. Mr. Mills pointed out that is a matter of dollars and cents, rain lambs are discriminated inst from 75 cents to $\$ 4.50$ a hunon the market and they do not so much as castrated lambs. The tails detract from the appearance bunch of lambs and may cause to sell for less than docked lambs. on a bright, sunny day," said Mr "Both operations should be per rimed before the lambs are 2 weeks The jaws. Minls uses a docking iron. sears the wre heated and the hot iron this preventing bleeding tail is cut off. be removent wing bleeding. The tail can ing a stub with'a knife or chisel, leavlatubs and a little longer on the rams.

It is a good plan to pull the skin at just starting for the barn as we arthe root of the lamb's tail toward rived. The start in sheep was made on the body before rempving the tail. this farm three years ago with 24 ewes slip back and partialuy cover the were 35 ewes in the flock and 38 lambs wound. To castrate successfully, were raised Twenty-two wether lambs cut off the lower third of the were sold the latter part of November scrotum and with lambs not more than for $\$ 14.40$ a hundred, averaging about 10 days old, pull the testicle straight 95 pounds in weight. They sold as fed out without removing it from the inner lambs, altho they had received no grain sack. In both docking and castrating other than what they had picked up in use some disinfectant on the hands and the wheat stubble. All the feed they nstruments. It is a good plan to apply got was bluegrass pasture and waste mixture of tallow and tetrpentine to the wounds.

## Some Good Profits

Many instances might be related of profits made in handling Westem ewes as Mr. Mills is doing. Thomas Price of yon county bought 230 ewes two years go for $\$ 1,700$, wintering them on chover hay without grain. - They sheared 1,950 pounds of wool, which brought $\$ 1,796$. The ewes were sold for $\$ 2,492$ ust a year from the time they were purchased, and the 129 lambs brought $\$ 1,236.60$. These ewes summered on pasture and a weed patch.
As we were driving back to Havensville, we visited the S. M. Knox farm which is managed by Nattie Knox, a
nephew of the owner. He has about 70 nephew of the owner. He has about 70 high-grade Shropshire ewes. These wes and their lambs were on a blue
got was bluegrass pastu
roughage about the farm.
Fully two-thirds of the farmers about Havensville and in Southern Nemaha county keeṕ a few sheep. Mr. Knox shipped in a carload of bred ewes last fall and sold them-to the boys and girls of the community in small lots for $\$ 16$ apiece. Blaine Crow, who teaches ocational agriculture in the high school, was much interested in this project and went with Mr. Knox when ewes were purchased. There are more than 39 members in this sheep cub. Mr. Knox took notes at 7. per able interest from those who were not able to pay cash for the sheep. Two boys taking the vocational agriculture course in the high school are handling six ewes each as their home projects under Mr. Crow's direction. This disclub should greatly increase the in terest in sheep in that section.

## King CornSilos

 a lifetime. Both glazed and unglazed, ever-
lasting fire clay tile. Famous triple air space blocks - Bame principle as Thermos in bottle-preven
changes in temperatura. SAVE MOYEY and duaranten antio-
with the oldeat Silo Company by by doaning

 EING CORN SILD CO.
128 Waldhelm Bldg., Eansas City,


T. WTATT MFG. CO. 902 N .5 sh ST., SALMA, EAMS



## JUMBO

## the Motor Truck for Farmers

The Jumbo Highway Express is all-around-the-farm equipment. Of course, it does your road haul-ing-carries 4000 pounds safely at 25 miles per hour-almost as quickly as you go in your passenger car. But a Jumbo saves time and labor on the every day jobs, too.

It's speedy-goes there and back before horses get well started.
It's convenient-no currying, harnessing, or backing around hooking up-just step on the starter and you're ready to go. Stops just when and where you want it. to, stands anywhere without hitching.

Economical-eats only when it works, goes further with bigger loads, faster and cheaper.

Never gets tired-pulls a hay loader through heavy, tangled alfalfa all day long at steady, even speed, then takes a shipment of stock to town after supper.

## BRIEF SPECIFICATIONS AND EQUIPMENT

Standard 56 inch tread, Buda Motor, Clark Internal Gear Axle, Clark Steel Wheels with Pneumatic Tires, Power Tire pump, Electric lights, starter, horn, generator, and storage battery.
Steel cab with 3 -man seat,
heavy cushions, fore doors and disappearing curtains opening with doors, clear-vision windshield, motometer, hubodometer, pigtail tow hooks, spring draw bar, and many other features. No extras to buy except the body.

Write for full information on Jumbo Trucks
and name of nearest dealer.
NELSON MOTOR TRUCK CO., Saginaw, Michigan Also makers of the famous line of Jumbo Farm Engines
Wichita Automobile Co., Wichita, Kansas, Distributors


## Feeders Meet at Lincoln

Nebraskans Find Silage Cheapens Beef Production by John w. wheivson

DURING the past year a num- quently, the figure of $\$ 1.40$ a
ber of interesting feeding ex- should answer reasonably well. periments have been conducted at the Nebraska Experiment station in Lincoln in a serious effort to determine how to produce cheaper meat. For several years the Nebraska Ex-
periment station has been endeavoring periment station has been endeavoring
to find feeding rations that wonld to find feeding rations that would
produce pork, mutton and beef, for produce pork, mutton and beef, for
less money than corn and alfalfa. These experiments were continued this year and the results were made public at the annual state meeting of stock feeders recently held at the Nein the cattle feeding experiments.
in the cattle feeding experiments. Most feeders lost money this year,
according to Prof. H. J. Gramlich, chairman of the department of animal husbandry in the Nebraska university who was in charge of the feeding experiments. Many also lost money last year, due in part to a big slump in the price just before they had pianned to sell. A great many, however, were not discouraged and to

For several years corn and alfalfa have been recognized as producing only high priced meat. In fact many farm ers have fed these feeds at a loss, and the time may be near when substitutes must be found in order to maintain the meat supply. Recognizing the sit uation, the Nebraska Experiment sta ments in an effort to substitute cheaper feeds in fattening livestock.

Shorthorn Steers Used
Fifty steers were used in this experi ment and they were purchased upon the Omaha market October 28, 1919 The purchase weight was 819 pounds and the cost price $\$ 10.40$ a hundredweight. The cattle were mostly grade Shorthorns of medium quality with quite a few on the long yearling order. The week these cattle were purchased represented one of the high points in the feeder market and the same cattle could have been purchas

The average weight in Omaha the day these steers were purchased was 819 pounds. Owing to a delay in transit, they were on the cars 48 hours and
weighed when unloaded at Lincoln, weighed when unloaded at Lincoln, October 30 an average of 755 pounds. This represented a shrink. of 64 pounds
from purchase weight. Twenty-four from purchase weight. Twenty-four hours after unloading, they weighed ment was opened, 828 pounds. Alfalfa hay was provided during the two weeks between date of purchase and opening of experiment and charging this against the cattle, together with the expense of purchasing and shipping, made during this period, the initial cost a hundred pounds against the experiment is $\$ 10.90$.

How They Were Fed
The cattle were divided into five equal lots for the feeding tests that were conducted. Lot 1 was fed Ne-
braska's standard ration of corn and braska's standard ration of corn and alfalfa hay, beginning with a small
feed of corn and all the alfalfa they feed of corn and all the alfalfa they
cared to eat. The corn was gradually increased til a full feed of grain was given daily. No oil meal was fed his lot. The average daily consump corn and 12.1 pounds of alfalfa. Lot 2 was fed like lot 1 except that corn silage was added to the ration for 120 days which, of course, reduced the amounts of corn and alfalfa consumed pounds of corn, 27.7 pounds of silage and 3.7 pounds of alfalfa. On these rations lot 1 gained 2.54 pounds a day a steer, and lot $2,2.26$ pounds.
Corn was charged at $\$ 1.40$ a bushel molasses meal, $\$ 40$ a ton ; oil meal, $\$ 80$ a ton; hominy, $\$ 2.50$ a ton; corn silage, $\$ 8$ a ton; and alfalfa, $\$ 20$ a ton The prices of feeds as charged are reasonably fair for the entire period
in which the cattle were fed. During the first part of the experiment corn was somewhat cheaper, however, during the last 30 days, the market price
of corn has been higher, and conse-

After allowing for the gai hogs following the steers ducting all costs for feed, interest the in*estment in the cattle, markelin expenses, and other items of expense the steers of lot 1 lost $\$ 34.19$ a hea and those of lot $2, \$ 30.09$. This showe that silage cheapened the ration, alth the silage steers were yalued at $\$ 11.6$ a hundred while the corn and alfalt showing a slightly higher finish. Lot 3 a ses fed inger 2 ers lifalfa molasses meal was added the rala added the ration. fhe average daily sumptin pounds of molasses 281 pounds of silage, and 2.5 poum of alfalfa. These steers made a dail gain of 2.39 pounds and lost $\$ 28.3$ The selling price of this lot was $\$ 11$, a hundred, 25 cents above what lot was valued at, and the gain cost $\$ 20$ a hundred, as compared with $\$ 20$ humdred for lot 2 and $\$ 21.46$ for lot In lot 4. linseed oil meal was subst tuted for molasses meal and the roun fed was 11.1 pounds or corn, 2.0 poun 3.3 pounds, 28.4 polfa. On this a dail gain of 2.43 pounds. was made at a co of $\$ 21.59$ a hundred and with a loss $\$ 34.27$ a steer. These steer valued at $\$ 11.75$ a hundred.
Lot 5 was fed like lot 4, except tha hominy feed was substituted for hal the corn ration. The following ratio was red this lot pounds of corn, 0.4 pounds or hom 2.5 pounds of pounds sitage and 3.2 pounds pounds of silage and 3.2 pounds day; the cost for 100 pounds of rin $\$ 22.27$; the appraised value $\$ 11$ si hundred, and the loss a head, sin At the same price a pound, therefor hominy feed was slightly less valual than corn.

Comparison of Losses
Many feeders have marketed this year which they fed only months while others kept and fed cattle for four or five months. order to ascertain what kind of cial showing the cattle would made had they been marketed at times they were weighed and app at the end As the the on an 120 -day $p$ praised at $\$ 11.40$ a hundred steers had been sold at the end o 84 -day period the arerage los every steer would have been $\$$ The gains during this first period on an average of $\$ 16.68$ and amount to 2.36 pounds a head daily. Durim the following 36 days, the cattle mal an average daily gain of 2.10 po at a cost of $\$ 26.42$ a hundred most $\$ 10$ a hundred more tha gains made during the 36 -day p be slightly the 120 days show likewise, the cost of gain is abou higher. The cattle at the end of days were appraised at an avera $\$ 12.70$. On this basis, the averag a piece on the $\overline{0} 0$ steers was $\$ 0.5$ might be mentioned that the $120-d 9$ period terminated at a time whe cattle market was in very fair dition and these steers were appra at an average of $\$ 1.30$ a hundred than the appraisal put upon the days berore. This did whell during period, tended to reduce the period, thended head even if the gains were som during the first part of the ment. if the cattle had been so the end of 160 days the loss have been $\$ 32.52$ a steer

Silos Offer Only Solution A careful study of the various ing tests reveals that all of the figure in the negative, but at Lot there is not a great deanda tion of corn and alfalfa lost som more money than lot 2 fed co lage and alfalfa, altho gaining siderably more a day and sellin siderably more a day and sel
(Continued on Page 44.)

## Business Men See the West

Advertisers to be Guests of Capper Farm Press

## by henry J. arlington

NTO
VTO the great Midwest, the heart Monday, May 17, the trip will be re of agricultural America, is com- sumed and the route will lead eastng a group of 16 men from the ward thru to Topeka. The eight motor . These men are highly skilled business, experts in advertising, d successful. They represent very the United States.
They desire to learn. They are ming to the Midwest to get a mpse into the greatest farm market journey. which will cover 5,200 les and will last two weeks. These en are to be the guests of Sen. Arthur apper and The Capper Publications. It was because of their deep interest the agricultural states of the naand their desire to see at first and the business and farming de-
presentatives of great advertising Farm Press territory. The invitaFarm Press territory.
On May 8, the 16
tatives, personally agency rep-
seph Kunzmann, New York manager
Boyd, and Philip Zach, of the New boyd, and Philip Zach, of the New Chicago the party will be entert Chieago the party will be enterained at the Chicago athletic club
y J. C. Feeley, manager of the Chigo office of The Capper Farm Press. Garden of Billions
Then to the gateway to the "Garden f Billions." May 10 the party will each Kansas City Mo., the great etropolis of the Midwest with its remendous business in livestock and gricultural products. Here the vistors will be met by Marco Morrow, sistant publisher, B. P. Bartlett, partment: Frank G. Odell, head of research bureau, and others from he Topeka offices, who will accomany the party on this trip. $\mathbf{R}$. Mitchell, manager of the Kansas ty office of The Capper Farm Press, fill be in charge of the program at mnfacturing plants and the great ansas City stockyards will be visited.
From Kansas City the "Big See" trip atire day of May 11 will be spent touring the city, visiting the stores, holesale houses and manufacturing lants, and in inspecting the Capper ublishing plant, the largest orga
In the evening a private Puilman ill carry the party, which will const of more than 30 men, to Okla-
coma City, Okla., where the party sill be joined by M. L. Crowther, banager Oklahoma City office; John lields, editor The Oklahoma Farmer, liahoma section. The Capper Farm
From there motor cars will take the itors and the members of the Capper He El Reno, Yukon, Kingfisher, Hennessey and Enid. The party
emain overnight at El Reno. emain overnight at El Reno.
Enid a private Pullman will Enid a private Pullman will
he. visitors to Watonga, where mous H. C. Lookabaugh ShortEl will be seen, to Geary and rriving Saturday morning, May e party will be joined here by members of the Topeka office motor trip thru Kansas.
Cover Kansas in Cars
Kansas tour will be made in cars exclusively and the visitors ge given an unusual opportunity the couintry thru which they pass the people living there. From ity, Winfield, Augusta to Arkan- Wichwhich will be visited Saturday, 15. In all of these cities conhidastrial plants and retail stores possibly several farms in the The fe
from wip trip will be a motor car ill fast on May 16. Then the party alina drive on to McPherson, Lindsborg ight and on to Manhattan where the will be spent. The next day

Wfrom the butt of the bundle. night the "Big See" trippers, will go to Co., New York; Harold F. Barber, J. W.
Columbia, Mo., by rail, arriving there Barber Advertising Agency, Boston;
Thursday, May 20. Here the party A. L. Lewis, J. Walter Thompson Co., night the "Big See" trippers, will go to Co., New York; Harold F. Barber, J. W.
Columbia, Mo., by rail, arriving there Barber Advertising Agency, Boston;
Thursday, May 20 . Here the party
A. L. Lewis, J. Walter Thompson Co.,
will be Joined by C. H. Eldredge, man-
ager St. Louis office, and John F, Case ditor隹 of the Missourl Ruralist, Mis Half the dan will Capper Farm Press. party proceeding be spent there, the night.
A.t Arrow Rock, nearby, a special breakfast will be served in an historic a Missouri pioneer, as is known, is the oldest building in aline county.
From Arrow Rock, the party will go to Marshall and to Malta Bend, for From there they will proceed by rail back to Kansas City, Mo. From Kan sas City a special Mo. From Kan made into Johnson county Kan to visit the Capper Pig Club boys who won the pep trophy cup last year. When they return to Kansas City the trippers will have covered more than $2,300 \mathrm{miles}$ in touring the four states, Kansas Nebraska, Oklahoma and Missouri Here are the men who will be the guests of the Capper organization on the trip:
W. H. Stark, George Batten Co., (Inc.), New York City ; Harold Murray, Sheridan, Shawhan \& Sheridan, New Co., New York; Harold F. Barber, J. W.
(Inc.), New York City ; James C. Hinde, Harry Porter Co., (Inc.), New York; Wiliam A. Hart, Erank Seaman, (Inc.). New York ; George Clause, MossChase Co., (Inc.), Buffalo, N. Y.; H. H. Charles, Charles Advertising Service, (Inc.), New York City; L. E. Smith, Ruthrauf \& Ryan, (Inc.), New York City ; S. H. Donshea, NewellG. L. Ball, Frank Presbrey Cork City; Gew York City; Bresbrey Co., (Inc.), New York City; R. E. Plimpton, Wales Advertising Co., New York City; York City and Bouglas Co. New Van Patten, (Inc, New X. Ogivie, J. M. Campbell, a apecial correspondent for Eastern magazines, will also be a member of-the party and will write a number of stories about the things seen on the trip. These stories are to be published in Eastern magazines.

## A. Life of Roosevelt

A new book of considerable value on Theodore Roosevelt, the Boy, and the Man, has just been issued by the Macmillan Company, 66 Fifth Avenue, New nd the N. It consists of 350 pages, ritten price is $\$ 1.75$. This book is Morgan is a charming style-James appeal to both young and old readers. Thursday, May 20. Here the party A. L. Lewis, J. Walter Thompson Co., Let's double the alfalfa acreage.
 HEN some of your grain comes up short and stunted, especially on dry, gravelly knolls, and some of it grows tall and heavy, so that it lodges and tangles-then you have a harvesting problem-unless you own a McCormick, Deering, or Milwaukee Grain Binder.

With these binders it is possible to cut $13 / 4$-inch stubble - get right down close to the ground. The curve of the guards and wide range of platform adjustment permits doing this. And the reel is designed to handle grain in any condition. It can be lowered, raised, swung forward or thrown back almost instantly to accommodate short, long or tangled grain. The binding attachment can be adjusted quickly for short or tall grain, and has a band-placing range of from to to 24 inches

The names McCormick and Deering and Milwaukee are favorably known wherever there is agriculture. They are guarantees of high quality and operating efficiency. Almost 90 years of harvesting machine development and satisfactory service in the fields of the world stand behind them.

See your nearby International dealer now in regard to your binder for early delivery. Place your reliance also on McCormick, Deering, or International high-quality twine. Meanwhile, may we send you a descriptive catalog showing latest improvements and features in the world-standard harvesting machines?

## International Harvester Company

## Chicago QF AMERICA

## The Adventures of the Hoovers

Buddy Builds a Trellis for the Congressman's Free Radish Seed Because He Has a Hunch That They Might be Morning Glory Seed


# Washington Comment 

## An Interesting Review of Events of National Interest By Senator Capper

REORGANIZATION of the administrative branch of the government is one of the great
needs of the time. I have needs of the to the duplicaion of activities in the government departments. In some cases it is more than duplication, or even of identical actually a multiplication of identical of unbelievable.
attention has been directed afresh to this wicked waste of public money and the enominent public men Govay two Lowden of Illinois dwelt at length on this subject in his recent length on this subject in hress club ipech beroshington, as in speeches at many in Washington, as in speches at Washother places in the country. than 100,000 government employes as compared with some 30,000 before the war. Senator Smoot has been active along similar lines. He repeatedly has directed attention to the vast number of useless government employes in Washington and elsewhere, and he has now oliowed these suggestions with the introduction in the senate of a joint resolution creating a joint committee on the reorganization of the administrative branch of the government. If this resolution is passed during the present session of Congress, the joint momittee will hold sessions between the date of its appointment and next December, when it will report to Congress legislation designed to co-ordiate and redistribute the various orvices performed by the overlapping This is one of the
This is one of the most needed rethis line combined with Action along cm, as I have urged continuously since oming to the Senate, will save the axpayers of the country many milbe an end to the present wicked waste and extravagance, and government administration must be placed on a sound thasis of business principles

Jail the Profiteers
The overall club movement has hit Wushington, along with the rest of the ountry. Only one Congressman, Rep(sentative Upshaw, of Georgia, had the House in overalls, but Senator filt did go the length of donning overIts and posing for the movies in front enator made a vigorous speech at acking the profiteers, especially the Tothing profiteers, and urging people in wear out their old clothes, patching flim so long as they are wearable at
and and likewise their shoes. These uggestions are well enough in their Way, but they only scratch the surface part, and no doubt an important part, a present high prices. People should momize, should wear their old Whes just as long as possible, should That will help in bringing down prices.
Thenstion wherever posible. hint high prices are due chiefly to the rageous and conscienceless profiteerthat began during the war and has tinued and grown worse up to this ty hour. What is chiefly needed is a "the country. If Attorney General
Pntmer would jail these law-breakers mer would jail these law-breakers e-stealing or any other kind of e. I believe it would go a long way ard stopping profiteering.
It is absurd to attribute robber
rices to the extravagance of the peoWhe when the people of limited income, cmpenstitute the great majority, are irticles of apparel because of the high prices. It is silly to attribute the high when of meatte and to over-consumption, :Hen cattle and hogs are selling at but brought a mere than half the price they in some instances and dressed meats higher prices, inces are selling at even live animals. The lower prices of the promuction than the higher prices of
meat are due to over-consumption. much truth there is in that assertion Both result from the unchecked prac- may be questioned, but certainly there tice of the long list of middlemen in king much more than a fair sum for ducer and consumer. Until te producer and consumer. in hand or we have a panic pricousill not be brought back to a normal level

## Prices Continue High

During the month that ended March 15 , the cost of 22 articles of food used n comparing prices showed a decreas 1-16th of 1 per cent from the cost of highest level of prices during or since the war was reached. Wholesale prices of commoditíes other than foods were even higher in March than in any pre vious month. Lumber and building materials increased more than 8 per cent over February prices. Clothing prices were 64 per cent higher than in March last year, tho the prices of cloth and clothing showed a slight net decrease from February prices. Small consolation in these figures for the victims of the profiteers.

## Benefits for Soldiers

Indications now are that Congress not only will pass soldier-benefit leg islation, but that means will be devised to derive the revenue necessary to
carry it into effect from the profiteers. During the war 23,000 Americans be came millionaires, according to the records of the income tax department. War-profiteering was so successful in drawing the profits of the war into one billion dollars of the national own 3 These are the people who should pay the cost of bonus legislation.

While the boys were fighting to make America safe from the onslaughts of the Hun, these men were piling their coffers full with good American dollars. By all the equities
the men who grew rich out of the war should bear the major portion of the burden of remunerating, in part at least, the men who fought the war. The debt never can be paid in full, but certainly the war profiteers can afford to pay and should be made to pay whatever Congress decides shall be given the selvice men in the way of deferred payment for their services. England sets a good example in imposing heavier and heavier taxes on its war profiteers.
The character of this legislation has not taken final form, but sufficient progress has been made to make certain that something will be done along this line. I hope to see the service men given the option of accepting a cash "bonus" or its equivalent in the form of an education or a loan with which of a of a home, as favored by the American Legion. think the chan this Congres of the terion along that line the advice of the sol diers, sailors and marines themselves has been sought thru their various organizations and will have conslderable effect on the character of the legisla-

Return Soldier Corpses
Removal of the American dead from ithin the fighting zones in France for ransportation to the United States vill begin after September 15, under an agreement between the American partment, which at first was opposed to this course, has been forced by public opinion to vield to the demands of bereaved parents, but only such bodies of soldiers will be brought back as are asked for by the next of kin.
There has been much opposition to the return of America's soldier dead, and in the propaganda put out to combat the movement it even was charged sought to andertakers of the nation soldiers' bodies in order to profiteer soldiers' bodies in order to profiteer
off the relatives of the soldiers. How

## Daylight Saving

Spain is another country that has seen the folly of readjusting clock time to accommodate the city golf players and industrial workers of the country In response to strong appeals from the agricultural interests and the railroads the Spanish cabinet issued a proclamation declining to adopt summer time which is the European name for soing twice dight saving. Congress hav ing scheme it is believed the attempt to fasten it on the country is dead for this Congress, but after the national election is over and a new Congress is elected, it may be expected that the wasters again will attempt to improve on nature and fasten this artificial time-wasting system on the nation. will glad to say the Kansas delegation will never stand for a return to the inquitous daylight system. The farmresentative country must keep their reptheir unalterable opposition to this de structive and wasteful scheme.


Washington, D. C.

## To Aid the Sheep Raisers

Farmers Bulletin No. s10, Equipmen or Farm Sheep Raising, has just been issued in a revised form by the govrnment. You can obtain a copy free from the United States Department o Agriculture, Washington, D. C. coffee. followed the change.


## Burns Kerosene

Drives Like a Steam Engine
"Give me a gas engine strong enough to run a separator," say thousands of rese it

## Nichols-Shepard Oil-Gas Tractor

It's the result of 72 years' experience in building threshing machinery.
When gas engines first came into general use, owners wanted to use them on about the farm. But the usual gas engine was too light. It lacked the power needed for keeping up speed in the thresher.
We have answered this for you in the design of this Oil-Gas Tractor. Its flywheel is extra large and heavy. It insures not only a steady runled with overfeed ing, wet bundles, etc.
Besides being a good thresher power plant it is a practical tractor for general tracto work. Burns kerosene or distillate.

Write for Circulars
NICHOLS \& SHEPARD CO.
(in Continuous Buxiness Since
Builders Exclaively of Red River Specin Threahers, Whisa
Stackers, Feeder, Steam and Oi-Gas Traction Encines Battlo Creek, Mich.
LUMBER $25 \%$ OR MORE SAVING to you, Don'teven eonnider buying ntil you havesens
natempletilist or what you need and have our eatimato HARMMERS LUMMBER CO. 2416 BOYD STREEET OMAFA, NEBR

## Instant Postum

still sells at the same low price as before the general rise in costs
-and great is the number of families who now use this table beverage in place of

Attracted to its use by continued low cost, they found its agreeable coffeelike flavor much to their liking.

With no health intent behind their action they discovered better nerves

## All Grocers sell Postum and your trial is invited <br> "There's a Reason"

Made by POSTUM CEREAL CO., Inc.<br>battle crerk, michigan



## Spark Plugs and Harrowing

WHEN you're out in the field, far from the barn, and one of your spark plugs starts to "miss" -you have to hold up the harrowing till you can put in a new plug. Valuable time lost.

The special construction of Bethlehem Spark Plugs is your best assurance against such delays. In the de Luxe Tractor Plug, the mica is wrapped around the center spindle, then reinforced with mica washers pressed into a granite-like whole-the only kind of tractor-plug that can "stand the racket."
The great International Harvester Company, after exhaustive tests, has adopted Bethlehem plugs as standardequipment. BethlehemAutomobile and Truck Plugs are equally dependable. Studebaker, Marmon and 48 other manufacturers equip with Bethlehem.
Write for free copy of "Hit or Miss?", which tells you what you want to know about spark plugs.

Bethlehem Spark Plug Corporation
E. H. Schwab, President

Bethlehem, Pa.


## Concrete Tile for Drains

Many Flat Lands May be Made Profitable BY h. B. walker

JUST as a chain is no stronger than frost and moisture not necessary for successful draina
as many inexperienced landowne age system no better than its weakest point. This weak point may be a broken or disintegrated tile which
permits silt to enter the drain and permits silt to enter the drain and
clog up the entire drainage system. clog up the entire drainage system.
Land owners who install an underLand owners who install an under-
drainage system cannot afford to take drainage system cannot afford to take
chances with inferior tiling material, for no matter how well the work is done if the tiles are not of good quality, trouble surely will come sooner or later.

Cement has been used for a century or more in the construction of water conduits, but it has only been during the past 20 years that concrete tiling has come into general use for farm drainage projects in the humid sections of the United States. When properly manufactured, concrete tiles are very satisfactory for underdrainage, since they fill the essential requirements of a good underdrain. They are, first of all, true to shape. The modern tile is circular in cross section and for the usual farm size it is $m$
foot.

## Uniformity is NeceSsary

In order to construct a good tile line each individual tile must be uniform in diameter, straight in length, and with parallel and straight cut quirements admirably, since the manufacture of the product requires that each individual piece be made in molds of uniform diameter and length. Furthermore, since the process of curing does not require burning or direct application of heat, there is no warping of the pieces after the forms or olds are removed
Many professional tile layers, prefer to lay cement tile, because of this trueness to shape which makes them For the same reason, pement tiles, be. For the same reason, cement tiles, bewell suited for mechanical trenching machines which dig the trench and lay the pipe line at one operation.
Secondly, cement tiles, when propdense manufactured, strong and the water. A good tile must have strong walls of proper thickness to resist the pressure of the earth above it
as well as the loads which pass over it. With the advent of the tractor, and other heavy power machinery for the farm, more care than ever is necessary to get a strong pipe line which
will resist these heavier loads. Natwill resist these heavier loads. Naturally only first quality farm drain tile sholdd be used. Farm drain tile of first-class quality should be strong enough to support at least 800 pounds a foot of length under a standard test.
Furthermore, the walls of the tile should be of sufficient density that no individual piece will absorb more than 12 per cent of its weight of water when immersed.

## Water Enters at Joint

A solid, dense, tile wall indicates strength, imperviousness and good quality. On the other hand, a porous absorbent material indicates a deficiency in strength, and a lack of quality. A porous tile is always a
poor tile since it is not dense enough poor tile since it is not dense enough
to afford strength to resist crushing. to afford strength to resist crushing,
and being absorbent of water it will and being absorbent of water it will still believe. Water does not enter the drain thru the shell of the tile, but does enter at the joints which average farm tile line occur
tervals of 1 foot along the These open, joints afford sufficin These open, joints afford sufficient drainage system without depeniing upon the porosity of the tile to perin water to enter.

Must be Constructed Properly Strength and density in concre tiles are obtained only when the proper methoas of manufacturing a ollowed. For this reason the pir chaser of cement tiling should be Unfortut his thes are properiy made come into some disrepute becruwn the early pse of this material farmern were encouraged to manufacture thir own product. Experience has shown that the farmer should not attempt to manufacture his own tile. He has not had the necessary experience and is not supplied with the special equipment required in the construction of good tile. When it is desired to use concrete tile the purchaser should get his material from a reliabie concrete products plant which is properly equipped to manufacture first quality tiling.

Such plants are to be found now in number of localities and their produets are becoming more standardized each year. In making these purchases all tiles should be bought with the understanding that the material is subdect to standard methods of testing terial which will not meet the standaw terial which wifications not meet the standard American Society for Testing Ma terials should be rejected

## Points to Consider

There is no question whatever. whe concrete tiles are satisfact Kansa if them arainage system. corporated in proper materials an product and if proper methods subsequently used to methods Good concrete tiles have smo dense walls and this in turn affo a smooth flow line when the tiles properly placed in the ditch. smoothness of interior finish, toge with the uniformity of diameter in tile line when the pipes are prop: laid in the ground.
The fact that cement tiles failed is no argument against use. Similar failures have oce
with other materials. but the fact improperly made tiles have should serve as a warning to pur ers that a tile is more than just There are good tiles and noor while a good tile is an at any while a good tile is an insuran the permanency of the drainage provement. The Kansas farmer not hesitate to install good conc good tiles properly installed in the field are a permanent farm impro ment which will yield a high retim from the investment.

Holland must desire the kaiser more Ledger.


Low Flat Lands in River or Creek Bottoms May be Drained by Means
dow Flat Lands in River or Creek Bottoms May be Srained by Mrith.

# You get more work out of a manila rope that has excess strength 

## "Blue Heart" manila rope carries a guarantee to deliver it

$W^{\text {HEN }}$ the car's stuck-losing time-then you truly appreciate owning a rope that's strong enough to drag it out of the mud.
"Blue Heart" manila rope stands desperate pulls which would break ordinary rope!
It's guaranteed to deliver more strength than specified by the United States Government Bureau of Standards.
Only long wearing, tough manila fibre, the cream of the crop, can be spun into such strong cordage!
And yet the cost is no more than that of ordinary rope!
"Blue Heart" manila is not merely a name-it's the way vou can identify every foot of fis new cordage!
Simply grasp hold of any e of it, untwist the 0 nds, and you can easily
the blue trade-mark h assures you long wear high strength.
A new rope for you if "Blue Heart" doesn't make good
Hooven \& Allison "Blue Heart" manila rope is ranteed to equal the yardage and exceed the king strength and fibre requirements lately specid by the United States Government Bureau of tandards. Any "Blue Heart" manila rope found obe not as represented will be replaced.

Adulterations and substitutions cannot be detected by the "feel" or the naked eye. You have to depend upon the honesty and skill of the maker for good rope. You cannot be protected unless there is a mark like "Blue Heart" in the rope which guarantees its service to you!

## The public has been confused about ropes

There are numerous fibres used in rope making, of varying strength and durability. Manila, the strongest, longest-wearing fibre, has any number of substitutions which look very much like it. What often looks like excellentropewillsuddenly snap or frazzle to pieces when comparatively new, but your money's gone when
you discover the adulterations! The safe way is to buy a guaranteed manila rope, the "Blue Heart" kind. "Blue Heart" kinks less; is easy on the hands; resists water
"Blue Heart" manila will wear twice as long as low grade rope. Water has less effect on it than on ordinary cordage.
Easy bending and pliable, "Blue Heart" knots tightly, and is ideal for hitch and tie purposes. It is made from glossy, smooth-surfaced manila and is exceptionally easy on the hands.

Ask your dealer for "Blue Heart", manila rope. If he cannot sup-
ply you, write us. The Hooven छ' Allison Company, Xenia, Ohio

## "Red Heart" sisal rope

When a lower-priced cordage is desired, try "Red Heart"' sisal rope. Made from the best sisal fibre with the same skill and care we givo to our "Blue Heart" manila.

## Write for sample of rope-free!

Only by seeing the fine material and workmanship that goes into our ropes can you appreciate why we can guarantee them. Get a free sample today. Ask your dealer for "Blue Heart" manila rope. If he cannot supply you, write us. The Hooven \& Allison Company, Dept. 85 Xenia, Ohio.

For purposes where the great strength and long-wearing qualities of "Blue Heart" manila rope are not required, use H. \& A. rope made from one of these less expensive fibres:
"Red Heart" identifies H. \& A. rope
'Green Heart"' identifies $H$ m. made of sisal fibre "Purple Hear" "Purple Heart" identifies H m. \& A. A. rope isur sible "Pink Heart" identifies $H$. \%s A. rope
made of Nev Zealand fibre "White Heart" identifics H. made op hemp fibre "Golden Heart" identifies H. $\begin{array}{r}\text { made of hepe } \\ \text { made of finte fibre }\end{array}$

## Mail this coupon

Hóoven \& Allison,
1 Department 85

- Xenia, Ohio.

Please send me free samples of "Blue Heart" manila rope and "Red Heart" sisal rope.

[UDGE tires by results-by the mileage figures they pile up. It's the safe, sure way of measuring true value.
Judge the Ajax Road King on this basis and you'll know why so many farmers choose it over every other make.

## "Shoulders of Strength"

The Road King is the Ajax fabric tire with triangular anti-skid tread design. The tread is braced and reinforced by Ajax "Shoulders of Strength"-an exclusive Ajax feature. They give the extra stamina which is particularly important to the man whose car must travel both good and bad roads.
The Road King wears well. It piles up splendid mileage figures. It's the companion of Ajax Cord, Ajax Tubes and Ajax H. Q. (High Quality) Tire Accessories.
Sold by good, reliable dealers who display the Ajax sign.

## AJAX RUBBER COMPANY, Inc. <br> New York



# High Prices are Offered for Draft Animals 

WE ARE FAST approaching an number of Percherons one produce age when there will be an extra that determines the money one makes, who produces superior Percherons. The dividuals one raises that counts. It whole Percheron business has made a easy enough to produce so many in remarkable change in the last 12 months and even greater changes than ever are expected before 1921 passes
into history. Very high prices, indeed, have been paid for Percheron mares in the last six months. Up until October
$1,1919, \$ 3,500$ was the record price 1, 1919, $\$ 3,500$ was the record price Since then, the grand champion mare at the 1919 . International changed reserve senior champion mare of the reserve show was sold to a small breeder
same show for $\$ 4,800$. The reserve grand champion mare, a yearling at the 1919 International was sold for considerably year-old filly at the 1919 Ohio Percheron Breeders' Show went to a new
home, at a figure nearly reaching the home, at a
$\$ 2,500$ mark.

## Higher Prices for Draft Horses

 Since the beginning of its history the livestock business has been changing periodically. For the last five years, prices on meat producing ani mals have been going higher and higher and values on horses have been going lower and lower. Now the pendu-
lum is swinging the other way. Prices, unheard of before, have been paid for draft geldings in the last 30 datys, and those best informed tell us that values
will continue to rise for several years to come. First rate draft geldings are bringing fully as much now, as the average kind of Percheron mares years, brought any time in the last ive years, and a great deen bringing.
lions have been bringing.

All of us agree now as to the way the story will end. The draft horse has come back sooner than many of us mit that the average farmer is not ready to meet the situation. In most instances, he has permitted himself to of the hour instead of being guided by the experience of breeders who are old enough to have passed thru these periods of depression. The horse business
has always known its good and bad has always known its good and bad
times, as well as every other phase of the livestock business. The chances are that they will continue in about
that same way. The serious point of the situation is that most farmers have made a poor guess as to when the draft horse business would come back, and are now repenting, but it is too late. high class draft colts each year, and they would not have been caught with no horses to meet an unlimited demand record breaking prices.

Value of Good Sires
The old saying that "a sire is half of he herd if he is a good one and all of he herd if he is a poor one" was never more significant than today. It determines the destiny of the majority of percheron breeders. Our breeeders need good sires more than anything So few of our Percheron breedIt would be better and far cheapship a mare a thousand miles to heed her to the sire with which she
ferior ones that the good ones cannot pay the bill, no matter what prices they
bring. The only safe policy for ring. The only safe policy for any breeder to follow is to eliminate, in so fort that may result in a second grade animal, and to increase every kmown means of creating first class animala We of creating first class animala dge that we should castrate a yonug stallion that is not strictly up to stanard. It is no disgrace to geld a worth. ved stallion, because the breeder never tock, regardless of the kind of live fock he produced, who could breed all hat class animals, or even animals or were all sufficiently good to keep humanly impurposes. That is a jou cheron breeder mie, and well acher edge that fact The longer he derieg edge that fact. The longer he denies duct his breeding onerations accord ingly, the longer his success will be postponed.

Proper Mating is Essential It is a peculiar fact that many a
reeder has failed to register among hose rated as successful, becanse be had the wrong idea of what constituted purebred or registered animal, or his responsibinity in directing the bree mating together of animals whose redirees are represented on handume pieces of paper, is no indication
he is a successful breeder. No animal is so well bred that he has no fanits The wise breeder, the one who makes the most from the animals with which e has to work, is the one who tries o mate his animals in such a way as to No stame as many defects as possible ficiently perfo matter how good, is sull with perfect to mate equares. The greatest Clydeadale breeder in the world has no stallion of his own, for recognizes that no matter how sire he might purchase, the suited his mares.
What we need most now is our breeders to appreciate the of tried sires of known merit. Brid urs should be making use of thes matter how much difficulty is enced in getting to breed to then good mare, rightly mated, is a mated, her year's work will be credit to that man, that will las descendants live. This matter of stock breeding is a serious b that has always rewarded the be forts of the best thinkers among ttention to this work.

This changing era in Percher reeding is making possibl the opportunities that lie within of great breeders There is j great a chance now, as there mean to the Percheron horse Booth and Bates and mean to Shorthorn history portunity for which we have been
 Pherons. Very High Prices Have Been Paid at Recent Sales.

## Tom MiNeals Answers

## Information About Treaty

lease glve the provisions of the Peac
Name all the representatives of the
Conference from the United States. tame five of the most Important gen
the Great World, War. C . E. K.
The Peace Treaty comprised a more than 80,000 words. With scarcely give you its provisions. s quite possible, if you will write your member of Congress, or to mator Capper, that they will send a pamphlet containing the Peace preaty, or one containing of the same.

When President Wilson went to France, he took with him as his adisers between 1309 and 1400 persons. presume in a way these persons were representatives of the United States, but I have not and cannot obtain their names. As a matter of fact, owever, the oniy real representative Pace Treaty was President Wilson bimself

The two leading French genrals were Marshal Foch and Marshal offre; the reading British general Harshal Haig; the Commander cral Pershing; and the leading on Hindenberg and Ludendorff.

## Income of an Estate

e the income of an estate is left to
low, have the heirs any authority as renting or managing of the estate?
widow appoint one of the heirs as widow appoint one of the heirs as
nt and she and he run the estate to
mselves without making any account the es without making any account
rest of the heirs or how it is spent,
rhe estate goes heirs at the widow's death. estate goes widow in this case has a life As to whether she is obliged er an accounting depends upon ms of the will. If the will prothat she is to have an income he estate and did not provlde he is to render an accounting, not be obliged to do so. But heirs of the estate could show he was wasting it, they would right to enjoin her from doing What I mean by this is, not hey could enjoin her from spendincome from the estate, but if g the building waste such as deor ding or cutting down the value of act which would uld be enjoined from tate itself, ong as she is entitled doing so. of the estate to she can appoint an agent if desires.

## Renter's Rights

hat right has a renter if he is on the in good condition? hat right has a renter to improve-
hat he puts on the place without that he puts on the place without
owner about putting them on?
the owner who has no lease desires the renter off the place, how soon
notify the renter before he has to
READER. Your first question is so indefiI do not know how to an The renter in this case is a rom year to year and has the remain on the place until he written notice for at least 30 prior to the expiration of his
year. the renter places improve ser, I would say generally that the right to remove such im nts when he leaves the place answer to question 1 an question 3. The landowner do give 30 days' written the renter to vacate

Fencing Section Line
ansas where we have a herd law? be liable for damages if I could my farm was the means of turn-
affice away from my farm and for
is making my of H1 making my from my farm and for
considered not on and as it
cony main traving these old wire gates and pass-
if I should fail to shut them and
Fot out, causing trouble? less a road has subscriber. ip along the section line, the ner has the same right to up that he has to buind fences other part of his land.
hat law provides in certain eled road where the road runs
nir a pasture. If the gates are made consent of the person holding the mor as provided by law and. if posts are gage.
put in on elther siae or the gates so 2, if the phone was attuched to the that one passing thru may tie his building as it probabiy was, it would orse or horses while he is opening or be considered a fixture and part of shutting the gates, then he would be the real estate and would go with the required to close the gate after pass- deed to the real estate. ing thru and if he did not, would be subject to damages.

Wife's Share
Is there such a thing as a hoop snake and do they do ti? MRS. CHARLES B. CROOK.
The hoon snake is the product of someone's active imagination. The old story used to be believed that this snake would take its tail in its mouth, corm itself in a hoop and roll with great rapidity toward the object that fact no one ever was found who had actually seen a hoop snake for the very good reason that there was no such reptile.

Sale of Building
If A sells a farm to $B$ and holds a mortgage on the place, can B remove any of the
bullaings and cut down trees from batd rarm until mortgage is paid? A hae a
phone in the house. Can he hota mame if
nothing was seid regarding it? 1. In almost every mortgage there is provision that the mortgagor shall provision that the mortgagor shall You can levy an attachment ind. upon the place hen rent. one, phace and even if there were hou an attachment for this his removing buildings without the if is removing buifings without the if you so desire.


MODERN farming finds the Stoughton Truck the dependable; economical aid of today-as reliable as the "real" Stoughton Wagon has been for over 65 years. rill fitted to co try ne bears. kinds of roads and with all kinds of loads-the new Stoughton Oversize Truck gives the utmost in uninterrupted service and long working life. Oversize wearing strength in every wearing part reduces operating and upkeep costs.
Send for specifications of $11 / 2,2$ and 3 -ton models.
THE STOUGHTON WAGON CO., Stoughton, Wis.

## stoughton

 Goverie ${ }^{2}$ TRUCKS

## $\mathcal{A}$ ThresherYou Can Operate WithYour Own Help and Your Own Power_

WHEN you are ready and the grain is right you can get your threshing done if you have a Huber Jr. Thresher. Your tractor supplies the power. Your own help dies the work. There is no waiting on the convenience of a custom thresher.

## Hucemp

You stop losses from shelling out in a dry season; and from sprouting in a wet one. Your work will not be upset because you must go yourself or send some of your men to help your neighbors thresh regardless of your own convenience. Your wife will not have the burden of feeding a big threshing party. Three or four men-or even two-can thresh with the Huber Jr. They can thresh a load at a time and shut down while they go for another. The saving in threshing bills will pay for the Huber Jr. in a few seasons. Any 12-25 tractor will supply
sufficient power for the purpose. The Huber Light Four Tracsufficient power for the purpose. The Huber Lit
tor is especially adapted to run it economically.

The Huber Jr. is a real thresher. It does as good important features of the large Huber Threshers important features ord the large Huber
recognized as standard for half a century.

Write for the "Farmer's Insuranco Policy" which
desoribes the Huber Junior Throsher in dotail.
The Huber Manufacturing Company 702 Center Street, MARION, OHIO
Deairable tractor territory still open for live dealera.
Canadian Branch: Brandon, Man.

## "It's a Lucky Day for You"

## says the Good Judge



When you learn about the Real Tobacco Chew.
A. small chew of rich tobacco lasts so much longer than the old kind.
You don't need a fresh chew so often. That's why it costs less to use.
Any man who uses the Real Tobacco Chew will tell you that.

Put Up In Two Styles
RIGHT CUT is a short-cut tobacco
W-B CUT is a long fine-cut tobacco


Every Farm Needs a Garden

A Variety of Vegetables Should be Planted BY O. F. WHITNET



M$Y$ offers many possibilities for across, and well representing what man the garden, and proper plans can do, when he has an inducement to
well executed for intensive improve, by cross pollination, selection farming for the month will result in and cultivation. supplying the home with excellent food I have several farmer friends who efficiently produced. This is the month say that they can buy vegetables when many of the warm weather crops cheaper than they can raise them. are planted, or transplanted, such as These men belong to the same class as tomato, pepper, egg plant, corn, beans the friend who will not set a strawand all of the vine crops including berry patc. The usual reply is a lack sweet potatoes. With this planting of time but this is a mistake. A farmer must go cultivation and constant culti- must stop to eat, he must help bury the vation which will form the soil muich, dead, he must pay taxes, and it is im. without which no garden can be a suc- portant that we must live for there are much of the back-aching labor is elim- few of them tod spare, there are too much of the back-aching labor is elim- ew of the live the the While he is living inated. cultivate for growth and devel- a way which the best that he can in opment, and not for the purpose of Nature did not expect man to exist opment, and not for the purpose of Nature did not expect man to exist
destroying weeds. Proper cultivation exclusively on pork and beans, nor destrinates the weed question. Culti- hog and hominy, nor was he to live vation must be given at the proper time from the contents of paper bag and after each rain and oftener if the tin can. A farmer's time is profitably showers are more than five or six days spent in the garden, more so profitably apart. Cultivate previous to planting. where else on the farm. Vegetables Cultivate before the plants are up. Cul- fresh from the morden prove a ver tivate as soon as you can follow the wholesome food, much more than the row after the plants are above the ordinary run of vegetables bought on ground. Those back-breaking, long the market from a grocery store, or the suffering, weeding stunts must be elim- huckster who makes his daily calls inated in the up-to-date garden. It is and from necessity offers you wilted, a pleasure to drive the wheel hoe in culled and often very undesirable sowell tilled soil and the use of hoe and called vegetables. A former resident rake is no great task when used to stir of a large city stated that she did not and cultivate the soil, but when you are know how good snap beans were until compelled to push the hand plow where she gathered from her own garden the row is hidden by weeds and the hoe those large, flat yellow pods of beans not ined to chop weeds the gardening is
$\qquad$
Plant Some Sweet Corn
Sweet corn gathered fresh and propnot intensive farming but is just mere

A Valuable Food
Vegetables provide a food especially adapted to man's need, a nourishing food, a healthrul food and a rood that does not offer itself as a cannot exist by meat alone, but with the addition of by meat alone, but diet his existence is continued sometimes to a date beyond his period of usefulness. Not all of his period of userulates that the garden produces are high in food content, yet each one has a proper place ith sustenance. Yet many of our vegetables and cereals are very rich in food content, among these are peas, beans and corn. Corn eaten in the tious and palatable food at the least possible cost and corn is a food of
great value, and capable of great possigreat value, and capable of great possi-
bilities. This is proved by separating bilities. This is proved by separating corn into its many component parts, such as oil, starch and glucose
The value of the pea-as a food is recognized now and has been for ages. The bean is in the food class as a great commoner, feeding some of our natives
in a country where it and the cactus in a country where it and the cactus
alone can withstand the dry climate alone can withstand the ary climate and almost torrid heat of certain sec-
tions of the plains land. When shelled the bean offers an article of food that is readily transported, therefore
making it a helpful factor in advancing making it a helpful factor in advancing
civilization or supplying a food on which an army may subsist. The bean adapts itself to circumstances and adimatic conditions, producing in a dry climatic a very small fruit such as the Tepary of New Mexico, and under favorable conditions the very large lima
of which some-specimens are an inch erly prepared and immediately im. mersed in boiling water for a few minutes is about as near a perfect from the standpoint of food value and of high taxes and higher profiteering. of high taxes and higher profiteeris. sirup which delights the palate of the sirup whicure, has become just ordinary starch and the longer it is cooked the harder it gets, is only a semblance of the real article. Dried sweet corn is a palatable and nutritious food, nomically prepared, and in a safe and convenient form for the winter's serve food. Canned it is the best o products that comes from the farmers commissary department, and with ouf improved canning methods it is readily prepared and about as sure to keep as any commodity that is canned w has such a high nutritious value. May is the month in which to phan Plant sweet. corn for canning purpme Par of fair variety that will produmlits. The type of long pointed kernels is ood, but somewhat difficult to fre from sills.

Try a Few Tomatoes
This is the month to plant fully tomatoes. The importance in Florida where by the crop pro 24,000 acres and the fruit from acres will reach all of the A states with prices higher than ev fore. A tomato from your own 100 per cent, and will not cost yon ${ }^{20}$ todar a pound, the average retail price vorable conditions the very large lima cents a pound, the average retail valu
of which some-specimens are an inch today. The tomato must fill a
place in the human diet as it is oy all classes and regularly apearly summer squash is relished me people, but I notice that a ills will supply the needs of a family. The later or winter hes are the best ones of which plenty of seed in a hill. Pick bugs every day while the plant egins to grow cover it at the here it will take root and these to produce a crop of this valuted about old straw stacks where is a good muich, the Hubequently produces without much
nce from the planter. Try this ice from the planter. Try this
staek plan. The egg plant or staek plan. The egg plant or
gourd is a nice ehange from inary. This fruit is beautiful at as well as wholesome to eat. alk and foliage are attractive $t$ all of the bugs and insects known to the gardener, but ention and sprays one can profood that offers quite a change, as it does late in the summer fall. It provides a hearty food
readed and fried, supplying a urtly vegetable and partly meat. The Sweet Potato her garden product that is supgood food is the sweet potato thrives and produces to per-
in a light sandy loam, but will in a light sandy loam, but will This crop and other vine crops be planted on soil which has ceived an application of fresh a manure. If planted in that soil, the crop will be all in the vines. You have the choice lypes in sweet potatoes. The and Black Spanish, or in the Hall type a moist meated pohich seems to be gaining popumong both producers and cona few "slips," plant them on cultivate until the vines cover ind and then pull out all weeds tore in the basement, cellar or lace with an even temperature ford a delightful change from $h$ potato which is a much overvegetable in the average home. baked beans, dried peas and ovide good substitutes for the potato, and the food provided by and more economical. Irish pot 10 cents a pound should be per cent of the potato is ralize都 substitute for the Irish poneeds a rest anyhow, for it has of fare in this country.
segetables and demand quality egetables as well as in other of food. If the meat is tough, ad sour, and the coffee muddy hld do so in the vegetable foods e used to build and sustain es. We are not planting the it is the cantaloupe the would care to turn down the which is a gem in the melon
It is the same all along the It is the same all along the
highway. Compare some of highway. Compare some of p beans of today with those
beans of former years. Then your hat to such as stringless ng in this day and age of the re the new pole bean Egg and you will realize that our rists are making progress. have been improved until wit the "love apple" of very malue of a short generation
mare the Bonny Best with those early tomatoes, whose eed and a thin layer of flesh sourness. The latest im-
sond tomato is smooth, plump, a
color, a thick, meaty flesh lightful acid flavor and some nay be used as a dessert the roasting sugar.
been developed until some of the latest
creations may justly claim royal ftcreations may justly claim royal atCorn. The Bantams are leading in popularity today. In lettuce the general public, which buys on the market, of the compact heads which are favor derful creations in the vegetable world Look for quality demand quality raise quok for quality, demand quality, raise general for the botterment of hamanity as it never did before

The Farm Flower Garden by m. F. ahearn
Farm flower gardens never yet have eceived the attention that is their just due. If carefully planned there is no reason why the flower garden should not be a source of pleasure and pride o all who behold it. On the farm there s abundant space, a plentiful supply in the form and excellent plant food farmers assert they are too busy with their regular duties and have no time for flowers or flower gardens and besides there is no financial return. True enough, but there are a great many things in this world that have a greater value than the silver doltar and the Th lower garden is one of the many. Then, too, the flower garden, if properly planned, will not require a great farmer. plan attention from the busy perennials Pan to use only herbaceous will be with you year after year and often will forgive neglect and grow under trying conditions. Select a well drained place for these plants where the soil is deep, rich and fairly reten-
tive of moisture. Place tall growing tive of moisture. Place tall growing plants at the back of the flower bed ground. Shortest plants in the foreground. Sometimes a few tall plants are given a prominent position in the hardy garden. Single specimens should be used with great caution in should that the grounds may not have a spotted appearance Color arrangement is important and a few suggestions mes be helpful.
Orange and yellow may be used with scarlet or crimson, but rose-purple and scarlet never should be permitted to come in close contact. Purple and blue go well with white and pale lavender. Have the plants of the same coloring hazaped fashion usually is fraught with difficulties and nearly always destroys the effect.
Set the tall growing species in the background, specimens of medium size. in the middle ground and dwarf or low growing planth or roses in the rear and plant bleeding-hearts, cotumbine, phlox and hemerocallis in front of the shrubs and for the border use flag-lilies and low growing bulbs.
A list of hardy plants for the farm garden would be incomplete if any of the following plants were stricken from

Hardy asters, phlox, columbine, peonies, bleeding hearts, iris, fox glove, canterbury bells, hollyhocks, larkspur, penstemon, golden glow, hemerocallis,
tiger lily and the hardy perennial tiger lily
grasses.

In the fall plant hyacinths, tulips and narcissus, in order to provide spring farm are Japanese quince Bridal Wreath, Japanese barberry, Japanese Wreath, Japanese barberry, Japanese
spirea, Siberian pea, Mock orange, Japanese lilac, dogwood, tamarisk and honeysuckle. There is a wealth of material to choose from and notable success a waits the farmer who tries.

For Better Poultry Raising
Culling and selective flock breeding re thoroly discussed in a book just issued by the Reliable Poultry Journal Publishing company, Quincy, Ill., entitled "Profitable Culling and Selective Flock Breeding." The book takes up
the history of this development in poultry raising and tells what has been accomplished by various breeders.
Methods of culling are given in desuccessfully apply them, and all breeds are included. A chapter is devoted to balancing the flock and and another to creasing fall egg production. The price creasing fall egg prod

The home garden should be near the
house, but not too near the hen honse.


Here is the greatest comfort for farm life offered to you at pre-was price. The IDEAL-Arcola heating outfit will never wear out. It will outlast the building itself. There is no other contrivance which will heat your home with as much economy in the use of fuel. Nothing else is as safe or as easy to run. It is the solution of the farm-house-heating-problem.

## Ideal-Arcola Radiator-Boiler Farm Home Heating Outfits



Shipped complete for immediate installation
The beauty of the IDEAL-Arcola method is that no cellar is needed. Everything is on one floor. The Arcola is placed in any room that has a chimney connection. No running to cellar. Same water is used over and over again for years. No fire risk.
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sist of the boiler and radiasist of the boiler and radiasize houses. Write us your size houses. Write us your
requiremental Unlike stoves, there are no coal
gas leaks into the living rooms. The IDEAL-Arcola
delivers the soft, radian warmth of hot water-not radian the dry burnt-out atmos Phere of stove heating.
There is no fire risk to



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and $7-$ room.
open views of housee, with the IDEAL
Catalog showing open views of houses, with the IDEAL-
Arcola Boiler in position will be mailed (free). Write today
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$\substack{\text { No exclusive }}$ AMFRIGAN RADIATOR COMPANY $\begin{gathered}\text { Write to } \\ \text { Department } \\ \text { Eas. }\end{gathered}$


Plows, Cultivators<br><br><br>American Co-Operative Association



Saws 25 Cords a Day
The Ottawa Loz Saw falls trees or cuts off stumps
level with ground. Saws up logs cuts up branches, ice



Panama Canal Book 10c


# The Gasoline Problem 

THE grave problem confronting the serious-minded men in the petroleum industry today, is to keep pace in production with the seven-league strides of the demand for gasoline.
In ten years the production of crude oil in the United States has increased only 96 per cent, while during the same period the output of gasoline has increased 560 per cent.

The demand for no other commodity in general use has increased to a degree that even approximates - the mark reached by gasoline.
In ten years the Standard Oil Company (Indiana) has increased its output or gasoline from 150 million gallons to more than 600 million gallons a year.
It is àpparent that this could not have been accomplished except by intensive application of improved, scientific methods of refining.
As a matter of fact, the price of gasoline is held in bounds only by the sheer force of science.
Except for the ability of such institutions as the Standard Oil Company (Indiana) to make a wide range of useful products from that part of the crude oil which is not used to make gasoline, you would be paying a much higher price for gasoline than you pay today.
The Standard Oil Company (Indiana) is bending every effort toincrease its output of gasoline to meet the demands and to sell it to you at as low a price as possible.

## Standard Oil Company

910 S. Michigan Avenue, Chicago, Ill.

## Kansas Farm News Notes

S
EVEN cows owned by J. A. Grim being done in the county. C. H. Black of Meade county produced nearly of Neosho Rapids was elected presi-
1,000 pounds of butterfat during dent. John Loomis of Emporia secre, 0 -day period, March 15 to April tary and W. A. Gladfelter of Emporia 15. The average was a pound of butterfat a day to the cow. Mr. Grim feeds his cows liberally, but was not certain they were returning any profit with feed as high as it is at present. After doing some careful figuring, however, and keeping records for a month, he found that the herd averaged $\$ 12$ profit a cow.

Rooks County Forms Bureau A county farm bureau has been or-
ganized in Rooks county and the directors are looking for a man to serve as county agent. J. L. Conger of Çordell has been elected president:

Neosho County Sheep Association
Sheep growers of Neosho county have recently completed an organization. An effort will be made to follow cooperative methods in livestock improve-
ment and particularly in-the handling ment and particularly in-the handil.
of sheep and the selling of the wool.

Cattle Dying Near Clyde
Reports come from Clyde of cattle dying apparently from poisoning on wheat. The brain seems to be affected and the cattle are said to suffer in-
tensely and die in about 24 hours after tensely and die in about 24 h
they have taken the disease.

Co-operative Elevator at Olathe The Farmers' Union Co-operative Business association of Olathe has just purchased an elevator costing $\$ 22,500$ The association expects to begin business May 15. The Farmers' Union now
has a chain of locals encircling Olathe.

Grass Very Backward
It is reported. that the grass in Southweșt Kansas is very backward this season. It has been necessary to
continue the feeding of silage, hay and continue the feeding of silage, hay and
other roughage later than usual. Forother roughage lately there has been plenty of rough feed to meet the emergency

Kansas Accredited Herds The March report of the tuberculosis eradication work of the Bureau of Animal industry shows that Kansas now has 46 herds of cattle on the accredited
list. Dr. H. M. Graefe and his three assistants tested 41 herds during the month or 1,211 animals and found 43 reactors.

New Mills at McPherson
The Farmers' Co-opedtive association of McPherson is planning to build a flour mill this summer. Another mill
under private ownership is also to be under private ownership is alls will have a capacity of day. There are now two flour mills in McPherson.

Chase County Pastures Filling
The cattle going-into the Flint Hills pastures of Chase and adjoining counties are reported to be in much better
condition than usual. Pastures are condition than usual. Pastures are filling up rapidy, the price being $\$ 12$
to $\$ 13$ a head for the season with 5 to $\$ 13$ a head tore each animal. Cattle have been coming in rapidly and from present indications every pasture will be filled.

School Keeps Dairy Records Students in the agriculture class of the Reno county high school are keeping production records of all the milk They weigh the milk and make the They weigh the milk and make the
butterfat tests, keeping close account of the feed consumed. This is done for of the feed consumed. This is done for lated to see whether the cows are profitable or not.

Lyon Hog Men Organize
Lyon county Duroc-Jersey breeders recently organized a county association. There are more than 50 Duroc Jersey
breeders in the county and interest in breeders in the county and interest in
the breed is on the increase. The association plans to rold two sales each year and will help in the pig club work

## Association Sale in Sumner

The Shorthorn association of Sumner ounty held its first sale last week in animals being sold. The cattle were inspected by $\mathbf{R}$. W. Kiser, extension specialist in livestock from the Kansag State Agricultural college. This live county orgainization of breeders expects to make the sale an annual event.

Horse Registry Report Ready The 1919 report of the Kansas livefrom the state printing plant. It contains a record of all stallions licensed for service in the state during the year, This pamphlet, which is entitled "Inspection Circular No. 11," also contains a full report of the 1919 annual meeting of the Kansas draft horse breeders' association. All mare owners in the state should have a copy of this report which can be obtained free by addressing F. W. Bell, secretary, Kansas state livestock registry board, Manhattan Kan.

Grangers Plan Co-operation Co-operation in buying and selling farm products was the subject discussed at the April meeting of the Shawnee county Pomona Grange. This was urged as the most satisfactory method of curbing profiteering Among those taking part in the pro Among those taking part in the proC. M. Warner, William Baker, George Stiles, Ralph Searle and Mrs. J L Heberling The Grange of Shawnee county has purchased binder twine cooperatively for several vears. grouping orders considerable saving has been effected. Carl Snyder distributing agent, announced that this year's price would be $\$ 14.40$ a hundred pounds. More than a carload of twine will be used by Shawnee county members this year. The next Pomona meeting will be an all day affair with the Wakarusa Grange, May 20.

## Form Cow Corporation

A Holstein corporation capitalized at $1,00,000$ has been formed at Concordia. Holstein is to bring 10owinty and place them in the hands of farme members of the company. Several such corporations have been formed in Kan sas One in Lyon county has been in operation successfully for more than year.

Students Pay School Expenses Only 33 per cent of the students a the Kansas Stafe Agricultural college are entirely supported by the parens, according to some statistics recently compiled by the registrar, Miss Jessi D. Machir. The figures show that 43 per cent of the students now in atten ance are self supporting. A total

MePherson Sheep Men Pool Wool Sheep growers of McPherson county organized an association recently and have made plans to sell their wool co operatively. A sheep shearing circuil has also been formed. The member expect to market at least a carload wool this spring. J. .B. Goering Elyria was elected president, V. Emmert, McPherson, secretary and A. Reichert, McPherson, treasure

## New Weather Station

A new United States Weather station has been established at Goodtants It is equipped with all the instrill send feports twice daily. It will be the only station in Northwest Kansas. Heretofore the United States Weather Bureau has been forced to forecast tho weather for this section of the country from reports sent out from Platte, Neb.

## Farm Questions



## Good Sprays for Trees

wish to know what to use, and in what notices such as peaches, plums, cherries
toth th web worms ana borers.
are sending you bulletins on aying which 1 hope will answer vur first question.
In regard to the web worm it is eadily controlled by spraying with any of the arsenicals when the work
of the young larvae is first noticed. If of the young larvae is first noticed. If sou spray for be codittle danger of trouble with she first generation, and apether spray given in late-July or August should given in late-July or august should pet ricts that may be in the orehard at that time.
borers the only satisfactory way For rid of them is to dig them out and destroy them. It is suggested that where their runway is found a sharp wire should be inserted with
pose of spearing the borers.
Another way to control them is to put carbon bisulfide in the runway and closing up the end with cotton. Numerous washes have been suggested at arions times but have not been very
M. E. Ahearn.

## Udder Infection


a Jorsey cow 3 years old and one
 The teat is not swo ilen but beame
nit hard at the point. Is this a
inclined to A SUBSCRIBER. 1 am inclined to believe your Jersey contacious and you-should take steps to prevent it from being transmitted Place the cow in a stall by herself and milk her last. After milking, the hands shouid be cleansed in an antlseptic Nishi. The milk, if thrown away shonld be mixed with some hog dip and in contact with it. Some feed to come and many times nib bad results follow, it produces indigestion in hogs metimes. It woulp be a serious misather cattle lie down.
s very difficult to overcome enbut as a curative treatment, try internal administration of a mixof $1 / 2$ ounce of formalin in 1 quart ter. Drench daily until 10 or 12 have been given. Discontinue for ek and give another 10 days Cleaning Out Cellar Drain drain leading out of my cellar is
and 1 thought some of the reader

 the stoppage. If anyone knows any
hht will cear avey the stoppage
greally apreciated.
L. P. G. guently a partially clogged drain opened by the use of a libera il can of lye need not cost water 10 or 15 cents at your grocery and it will be more than adeTor this purpose.
ortuction lodging in a drain quently be dislodged by the use force cup. This handy little has saved cup. This handy hittle ould otherwise have meen fees by the plumber. In a house with $r y$ plumbing this tool is a good add to your sùpply and will not
C. E. Jablow.

## Meat from Ruptured Hogs

tell me whether meat from rup-
metan can be used for
humbscimserm.
tt, Kan.
meat of a ruptured hog is perthe for human consumption proce words, the otherwise thrifty. ke the meat inedible
R. R. Dykstra.

Seeding Barley seeding of barley is something new

 mon six row barley obtained
for seeding in Southwestern Kansas, of being affected with the condition providing seed cannot be located closer ordinarily spoken' of by sheep men as your barley as near home as possible big-head. The true nature of this Barley should bé sown just as early rather uncommon at this time of the Barley should be sown just as early rather uncommon at this time of the prepared for the crop, Like oats the sheep, as soon as they are observed to earlier the seed can be planted, pro- be ill, are kept in a quief, dark place viding the ground has been well pre- and the swollen parts of the head pared for the crop, the better. The best anointed with olive oil, recovery wih ground for barley is ground that grew take place in some cases. If ypu have corn the season before. Good, thoro any more animals similarly liffected disking in the spring followed by har- you might try this treatment. rowing will put the ground in good condition for seeding. Four to 5 pecks of seed will be surficient to seed an acre in your section of the state.

## Barley and Oats

## WII you tell me how much barley to sow

 Kansas? what ts weat time tow phant easternDo you recommend genuine Texas Red ornt Howard, Kan.
Barley should be sown as early in the spring as the ground can be preand a half of seed should be sown to the acre. It is not advisable to sow barley in any community where chinch bugs are present. You will find Tevas Red oats satisfactory for your part of Kansas. Kansas.

Sheep With Big Head $\underset{\substack{\text { cau } \\ \text { sw }}}{\text { min }}$



 it looked like separator oll. Plind please ad outse
me as to what was the mat me as to what was the matter with this
sheep, the cause and cure. Your sheep probably died as a result tain

World's Dairy Record
I would like to know which type of dairy-
cattle holds the world's record on produeing butterfat.
The Holstein. Friesian breed holds the world's record for production of milk and butterfat in all the mature length. The highest yearly record is 1205 pounds of fat and 27,761 pounds of milk, held by Duchess Skylark Ormsby.
J. B. Fitch.

Sowing Alfalfa
Please tell me what amount of alfalfa to Cossack ealralfa seed bought at Bume genuine
South Dakota, and grown ont 7 Inch South Dakota, and grown orir 7 -1nch ralnfall.
How wlll it do Kere?
Howard, Kan. RUSSELL.

Fifteen pounds of good alfalfa seed should be sown to the acre when the seed is sown in your section of the state with a broadcast seeder. I doubt whether there is any advantage in planting Cossack alfalfa. We have found by repeated tests conducted in this state that home grown common alfalfa seed is superior to any other tain.

## Agricultural Gypsuma

## A Proven Food for Alfalfa

 Clover and Other Crops





its value


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Plant Food


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cuttural G Gppsum." Write quickly.


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aave your grain logses from rats, moold, fire,
thievea and weather-aive money-Get our thieves and weather-bave money-Ge
EARLY BUYER OFFER




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The Federal Double-Cable-Base puts a stop to rim-wear which causes blow-outs just above the rim, and other costly forms of rim-damage that permanently end a tire's usefulness.

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Finck garments fit-that's why they wear so well. They are first cut over extra size patterns and fit after they are washed. No matter how long you wear Finck's-no matter how many times they go to the tub, they never become too tight. They never cause any binding. The buttons aven won't come off. Finck's garments are constructed perfectly-designed accurately-and satisfy absolutely. And there are a dozen other good reasons, why you should wear Finck's "Pig's Nose" brand-and no other. Try them and see for yourself.

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Seattle
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Save time labor and sarain with an INDIVIDUAL.
Wood Bros. Thresher Company, 34-E. 20th St., Des Moines, Iowa


## There's Wear, Comfort, and

 Convenience too. That's guaranteed by the pig on the label of every Finck garment.Livingston


WHEN the advantages of land rollers are fulty appreciated would be also to ingecting, the there is little doubt but that evaporation were it increase surface their use will be much more wide- surface mulch. In plain cylindrical spread. Too often we place land rollers rollers, therefore, it is advisable
in the same category with road rollers low immediatel in this is a wrong idea.
but the

## Rural Ensineering Hints

By C: E.JTAblOL

In the very earliest.
In the very earliest forms of land The roller is sometimes used with rollers large solid cylinders-of timber has formed on the ground even after or stone attached to a frame and shafts the grain has germinated and has解 many cases we do not depart very mulch is formed in this way without materially from these early forms. The injuring the grain.
simplest form which is constructed of cast iron and has a smooth surfac
closely resembles the early forms. In closely resembles the early forms.
place of cast iron for the smooth roll place of cast iron for the smooth rolls,
it is entirely feasible to use concrete. it is entirely feasible to use concrete.
One authority suggests as a proper ©ne authority suggests as a proper weight, a roller weighing about 100 pounds for ezery foot of width. It should be noted in this connection, that
the weight does not necessarily fix the the weight does not necessarily fix the diameter of the roll, for it is entirely consequently of larger diameter. They should be not too large.. however, for a given amount of material, as then the strength is reduced.
Within limits, the larger the drum, the more satisfactory will be the work done and a smaller amount of draft rollers, 20 inches in diameter were considered a fair size.
Disadvantages of Smooth Rollers The smooth rollers certainly can be used for compacting the soil and presenting a smooth surface for the mower, but a perfectly smooth surface usually results in an unnecessary loss of mois-
ture. Of course, where the question of conservation of soil moisture is not paramount, the smooth roller can be used.

One of my farmer friends has used with very good success a roller constructed in the following way: A
piece of timber 16 or 17 inches in diameter was selected. A length was used, equal to the distance between rows of his growing crops. Starting at the center he dressed down the log until it was only several inches in diameter at the ends. The finished roller had the appearance of two cones with their bases against each other. A frame and a pair of shafts completed this roller. He reports that it was en tirely satisfactory for crushing the clods and leaving the soil in good con

## Corrugated or Disk Types

The most recent types of rollers
known as the corrugated or disk type consists of a series of disks mounted upon an axle. The disks have a "V" cross section and its action is to leave better retention of a soil mulch which reduces the surface evaporation. This
is actually accomplished in spite of the fact that more surface is presented un der these circumstances. These ridges in best results shous the prevailing winds.
On the market we find a variety of different designs. Some of these are a single series of disks mounted upon
an axle, others have two sets of disks, one following behind the other and are staggered. In still another design the disks are separated by notched wheels. All of these types are intended to serve the double purpose of cultivating at the same time that the soil is being compacted and left with a mulch.

## Pulverizes the Soil

In spring and summer the roller serves as a valuable aid in pulverizing the soil by breaking the clods and
lumps of tangled roots and earth that the cultivator or other implement has brought to the surface.
Everyone knows that a finely pul-
verized seedbed especially for the reverized seedbed especially result in far
ception of small seed will rest more satisfactory germination. This is true because the plant food becomes readily available and because in compacting the soil, the roots of the young otherwise be in dry soil, can receive moisture from lower depths on account of increased capillarity.

Any soil that is as a rule of loose texture will be benefited by rolling but the roller is not recommended as a panacea for all ills. On-some sandy soils or on heavy clays, the roller has o place whatever, but there are ul doubtedly many cases where an in vestment in a roller would pay larg
dividends. vidends.

## For Better Farm Buildings

"Better and more convenient farm vildings are just as essential for the improvement of farm life in Kansa as better seeds and livestock," say H. H. Umberger dean of extension Kansas State Agricultural college Heretofore no one has offered sas farmers definite help in plannin
 out where they were needed most that ear, and the carpenter and mason did he planning. Hereafter this will not e necessary since the extension ision of the agricultural college employed an experienced architect ssist rural tax payers in planning an building farm homes.
Walter G. Ward, formerly head drawing at the of architecture rawing at the North Dakota in rural college, will head this has had experience in various building experience in various line pecial construction he has mate from the standpoint of utility, generi arrangement, sanitation, and adapt ion to climatic conditions. Farme who have building problems the comin season can consult with Mr. Ward tha the extension division of the colloge

## Grange Extension Fund

 Reports indicate a good response Re Grange appeal for the building bers and friends of the order Grange Extension fund. The ne organizers and Grange workers is great. Several states are asking organizers, and this fund will help butions should be sent direct to Sio man Lowell, Master Nation Grange, Fredonia,
## SOMETHING DIFFERENI

A Farm Paper Edited on a Farm Capper's Farmer, published United States Senator Arthur Ca of Kansas, is a farm paper that is armer and for the farmer. It is ished in the heart of the greatest a cultural country in the world. It sta or a square deal for the consumer air profts for the producer thru nating grain gamblers, market jugt and other trusts and combines. For ive wodh of American Farmers ressive theals. who want to be capsive, there is no such favorit cont for the wer. There is a de girls. marketing. livestock, dairy, field crops, farm machi to the regular editorials, Senator per's Washington Comment is oll per's most interesting and instructio In order to introduce this bright breezy farm paper to readers the publisher agrees to send the six months for ten cents. This special offer, good for ten days You should send in your dime Address, Capper's Farmer, 507 Bldg., Topeka, Kansas. You can ford to miss a single copy.

## Jayhawker's Fárm Notes <br> 33y FGarley Thatch

WE HAD a scare the first of this if it lasts as long as the old one it will week from the local weather cost us a little more than $\$ 5$ a year bureau, which notified stock- if we do not make any allowance for men in this territory driving snow. In- not a/very large amount to charge up a cold suap with diliving snow. with to the cost of producing 75 acres of stead came a were worth a great deal corn each year för 15 years.
of money to the growing grain and grass. Later in the week came high Test winds, but aside from being disagreable they did no particular harm. Today, April 24, is the ending of a big corn planting weēk and if the next week is favorable the most of nest corn to be planted here will be in the ground. It goes into soil in the
the go condition. Never in the 25 seabest of condition. Never in the 25 sea-
sons we have been planting corn in coffey county, has the soil been in better condition.

## Prospects for Pasture

The average annual date in a 25 sear period in which we have turned our cattle out to make a full living on the native pastures has been April 20 . there was plenty of grass large enough 0 allow cattle a full bite" was April 1007 we turned the stock out earlier than the average date and to good lowed and May 1 that year found pastures as bare as they usually are on hare not yet opened the yard gates. It has been cool and native grass starts slowly. There is bluegrass in plenty along the creek, but we still have 50
shocks of corn fodder and a stack of alfalfa opened so we are in no hurry o thirn out the stock. When a warm, still day comes, however, the cattle smell the green sturf growing and they let us know, as well as they can, that they would like to have the gate to the pasture opened.

## When to Graze

On many farms in this county cattle are been out on the grass ever since was large enough to make a tinge of green. In some'cases this is beothers think stock do better when giren access to the grass from the time starts. They say that stock in this ay will become accustomed to the hange more gradually. Our practice dways has been to keep stock in the yard until they can get their full living from the grass. When they get a taste of grass they do not care to eat anything else and reject the dry feed
whith they really should eat. Pastures Which are reany should eat. Pasture the very cropped to the ground from should the season prove dry never re cover during the whole season. I would not turn stock out on green trass until they can get their whole iving there unless compelled to do so essity

Don't Use Unreliable Planters
ut old corn planter which we have used for 15 years, planted its last seed
this week. We started work with it, wit it made lots of trouble and after made lots of trouble and after nd ordered by telephone another it the same make. By delaying ig for two or moge days and payseveral dollars for repairs we have made the old planter last have made the old planter last were is no implement used on the which can lose a man money planter, doubtful planter.- A profitable when discarded as possible. When we sold a we formerly had before we wisht the veteran that we have just lise arded we made the mistake of waitthat at year too long and paid dearly for Would have make. I doubt whether $\$ 75$ planter caused made good the loss the old those caused us and new planters in The noxt season we bought for $\$ 40$. that we discarded we bought the one $\$ 40$ for it ; we used this week, paying 75 seasons, making a cost of farms for \% a year or not a cost or less than farm. The new planter cost $\$ 80$ and

## Cost of Cutting Grain

The price charged here last year for utting small grain where the one doing the cutting provided everything except twine, but including charge for all of the horses, was $\$ 2.50$ an acre. The man with whom we made our binder deal said that many will charge $\$ 3$ an acre this year. Because of this high charge he said that he, could easily sell our old binder to any man having from 30 to 40 acres of grain to cut. Such a man would rather pay $\$ 100$-for a machine to do the work than to pay out that amount for cutting and then have nothing left. In addition, the man who has his own machine can do if he depends on hired cutting he may if he depends on hired cutting he may
have to wait a week longer than he have to wait a week longer than he
should and a week can sometimes bring a lot of grief to the owner of standing grain.

## Living Conditions Similar in 1767

No, that quotation was not taken from the daily paper of yesterday or Magazine or Gentleman's Monthly Intelligencer," printed in the year 1767 . It forms part of an article almost every word of which is exactly pertinent to our present conditions. The conditions of which the old magazine complains vere the result of exactly the sam
thing which produces similar conditions today - a long and hard fought war. That our future will follow along the same lines that followed those of which the old London editor complained cannot be doubted. What followed 1767 may be learne the any the British Isles for the 50 years which the british sles for the ofter thaf date The man who came arter fuature by the pest will who judges the future in which to pay debts Those good time read this column for several years know that I do not of en attempt to give advice. I try to state facts and let you draw your own inference from them. But for once I am going to hand out a line of advice: If you haye debts due and have some ready money and are in doubt as to whether to buy something you can get along without or pay your debts, why-just pay the debts and be thankful that you can do it with 50 -cent dollars.

## A Pertinent Quotation

Doesn't the following quotation hit oresent conditions pretty nearly? "The lowest manufacturer and the cheapest mechanic will touch nothing but the very best pieces of meat and the finest hite bread; and if he cannot obtain double the wages for being idle to hard, he thinks received for working or 'a redress of he has a right to seek and rebellion since grievances by rour money is decreased by its quantity, our consumption increased by universal luxury, and the supplies, which we used to receive from poorer countries now also grown rich, greatly diminshed, the present exorbitant price of ll the necessaries of life can be no wonder."

Seeds, like mankind, are able to sleep well and get up early, if they have a good bed.

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## $\$ 500^{\circ 0}$ IN ELLD EIVEN How Many Stars in the circle



## Farming in Western Kansas

WHILE Western Kansas is not a fruit country, the late storms and freze have killed practically all the frut professor albert set on this season. Professor albert Dickmade a careful examination of buds and found them practically all killed. and found them practically all killed. as should be on the early fruits which get ahead of the hot dry summer season, such as cherries, plums and early crab apples.

## Pratt County Farm Bureau

The directors of the Farm Bureau with C. V. Crippen of Reno county $t$ become farm agent of their county June 1.
Mr. Crippen is a graduate of the agronomy department of the Kansas State Agricultural college. He was raised on a farm in Reno county and
is familiar with the problems of the is familiar with the problems of the
farmers from a practical viewpoint.
He has been closely associated with B. S. Wilson of the college in co-operative experimental work. During the summer of 1919 he assisted in collecting International Soil Products Exposition in Kansas City, the International Live-
stock Show in Chicago and for the stock Show Wheat Show at Wichi

## Chieken Profits

## With chickens selling from 30 to 40 ents a pound live weight and with

 cents a pound live weight and withthe constantly increasing amount of grain sorghums. grown in Western Kansas, the number of chickens should little patience in the beginning turkeys weeks raised. will not only pick up their own living, but also do much to keep down the grasshoppers in the garden and around the premises.
The Western Kansas whea
must raise livestock in connection with the wheat farming to use the by-prod ucts and develop an income during the time he has no wheat for sale. Dairy cows to the number that can be handled by the family are adding a safe
income on many farms, and the cows are practically fed on the by-products are practically fed

## Sudan Grass in Kansas

Ground that is to be put into Sudan grass ought to be plowed now so it can catch what moisture falls and get
warmed to catch the Sudan grass by May 10 to 20. Sudan grass is a hot in which to germinate and if started fairly early makes two good cuttings a year, furnishing excellent feed for live stock, especially for horses.

Condition of the Wheat
Recent rains have resulted in a rapid improvement of the wheat condition were blown badly and some were prac tically ruined, the percentage of damexpected. This probably was due to the fact that there was considerable moisture in the soil.

## Planting Sorghums

Most Western Kansas farmers are beginning to realize that the grain sorghums outyield corn as a grain and that the forage sorghums outyield corn as a consistent increase in the acreage of sorghums. While sorghums will stand and wait for rain even during three or four days of hot winds an rain comes, corn if caught anywher near tasseling time with three days of hot winds not only fails to produce a crop but even dries up.
While sorghums have this power of withstanding our climate, they are not
so safe on the start. They are a hot so safe on the start. They are a hot
weather plant and require a warm, moist soil in which to germinate well Some farmers, complain of not being planting seed in a cold soil
planting seed in a cold soil.
when possible, blank lists the ground
the fall or in the early spring eeds start the ridges arm up. veeds start the ridges are throw
with an ordinary two-row disk we The grain is then listed by nosing The grain is then listed by nosing the warmed soil in which loose, mel irt has fallen during the process. making a better seedbed and insurin quicker and surer start of the ghum seed. This also has the a tage of getting rid of one or two ghum, which usually saves one vation afterward and permits keep ahead of the weeds during entire season.

## For More Alfalfa

Despite the cold nights and occasio lly cold days alfalfa is making a sually rapid start for the first This crop which has proved most the bottom lands of Western Kans

## Yields of Red Amber

 As hay or a silage crop, Red Ver sorghum is brown in fa usually discard the impure strai Black Amber so commonly grown. On the M. R. Baker ranch in lace county, Red Amber in 1919 y 10.2 tons of silage an acre, and Amber under the same growing tions yielded only 6.9 tons.Red Amber yielded 9.3 tons of s an acre as compared with 8.04 ton the best selected Black Amber seven-year test at the Fort Hays periment station. Red Amber ex in forage yield and quality every amd matured within ive days of 200 acres of Red Amber annuall
The chief argument for Black is its earliness and sureness. It times leads in seed production seems bound to make something spite drouth and neglect. One sive landowner defends his use of Amber on the grounds that it is " hired men and tenants. Experin show how and tenants. and grows under just as adverse ditions.

## Farmers Wiring New Houses

Wiring for electric lights and ic equipment is being put in ew farm house built in the com light plants are being put in that the farmer who builds house figures it is a good plan to hay desire to put in a lighting E. L. Frezieres, manager Onaga Light. Heat and Power the sentiment in favor of electri plants is growing among farme that lie gets a call to put in the Wiring a house whe built. ouilt, Mr. Frezieres says, is much economical and often looks better house is up and walls and ceiling to be mone or less torn up to pl wires and fixtures where they sired.
Mr. Frezieres believes that this ice will continue when building umed on a large scale in rural and more interested in installing tric lighting systems on their far

## Kansas Birds

According to a report publisli he state horticultural society, million pounds of insects every Blair of anl were who en been ng b, of Mrivane, who has been object of the report is to stre public sentiment in favor of legi theory that birds save of bilions heory that birds save milions ing crop destroying insects. A good pasture reduces the feel

## Amons Colorado Farmers

T
CHERE will be a considerable in- items pictures an up-to-date country crease in the acreage of the sor- community, with a prosperous, proumities in Southeastern Colorado. These crops did well in this section last vear: yields on many of the dry land farms were decidedly satisfactory. It
is likely that the greatest increase will be with the Dwarf kafirs.

## For More Pit Silos

Reports from several counties in astern Colorado indicate a real pit ilo boom. This is one of the most enouraging things whe the press of the agriculture of ith the progress or the agricultion for some time. It is to be oped that the labor will be available o do all of the work which is now mlanned.

## Cultivation of Corn

In the dry-farming districts, the eater portion of corn cultivation hen seedbed. Cultivation after the corn the seedbed. Cultivation arter the corn ni planting conditions. If listed, the inst cultivation should be done with me of the various listed corn devices. ater the cultivation can preferably be - with a shovel cultivator. It is er to use one with many shovels to ly stir the surface, thus keeping weeds and preventing the formaof a crust, than it is to use a cul-
or having a small number of large tor having a small number of large
which would stir the soil ly. Cultivation should aim to keep in all weeds. If this purpose is acomplished by the stirring of the surwe to 3 or 4 inches, all the ends of intivation will be met. Deeper cultiation than this is unnecessary and ostly, as it takes horsepower and it molnces no beneficial results on the orn crop. If the rain should come ith a large cultivator it ini a large cultivator, it may be cuispecially devised harrows pulled by pecially de
The first cultivation may be simply arrowing, or it may be a light cultion with a many-shoveled cultiits young growth requires little In most Northern Colorado ns, therefore, one or two cultivausually may be given before irriis required. In many sections e state, however, irrigation will to start at once. Irrigation should ren just as quickly as the corn needs moisture. Later irrigation d be applied just as frequently as rop shows need of water.
en corn is first started, when it to joint, and when the silk and are forming, are extremely critberiods in its demands for water. pains should be taken to see that tion is given at these periods, or st that the corn is provided with Of course, if the soil is moist, ition should be withheld. In precorn land for irrigation, frow opener, similar to that for beets, should be used, as corn picated by the furrow method. are placed on the land so as to a proper land slope for irrigation. proper land slope for irrigation. rrigation, corn should be cultiThis cultivation should be given y case up until the corn has large enough to thoroly shade ound. After this cultivation folirrigation is not so impertant, will be of benefit. It is doubtwever, if the benefit will be enough to justify the cost.

A Value in Farm Names
surprising how rapidly and how ny farm names become known. hese names. Especially is this as is the case in one county we have in mind. the local newsmakes frequent use of the farm is occasion affords. Every week $y$ read in the columns of this per that So-and-So are guests at insuch a place, only the farm instead of the names of the The given. But that is suf-
Thanger who reads such

Wool Consumption in March
The amount of wool consumed in for 1918 and 1919, but fell below the high mark reached in Jaruary of this year, according to figures just released.
On a grease basis, $67,900,000$ pounds of wool were consumed; compared with 34 million pounds in March, 1919, and $71,900,000$ pounds in March, 1918. According to conditions as reported, the amounts consumed, in pounds, were Grease, $47,467,979$; scoured, $8,905,370$; pulled. $1,971,253$. The percentages of the various grades used were: Fine. 29.4 ; 1/2 blood, 18.2; 1/3 blood, 20.1 4 blood, 18.2 ; low, 3 ; and carpet, 10.8. There was little change in the usual ranking of the states in the amounts consumed. Massachusetts being first with $24,540,957$ pounds; Pennsylvania 056 pounds; Rhode Islard, 6,750, pounds: and New York 1724831 pounds: with Connecticut New Hamp shire Ohio and Maine following in the order named

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# With the Homemakers 

## Stella Gertrude Nash द

Boys' and Girls' Week at Manhattan Was a Big Success

THE TRAVELER who passed thru Manhattan Monday. April 12, took his nose out of his paa burgt of laughter fell on bis start
ears. "What are all these kids doing here?" Since nobody answered and nobody seemed to know, he listened and looked at the pink badges they wore
"Boys' and Girls' Week. Agricultural College, Manhattan, Kan., he read. And he heard them talking about garden elubs, canning clubs, and poul\% try clubs.
Then as soon as the porter called, Manhattan, every one was on his feet, his suit case in hand looking for familiar face on the platform

There's Mr. Wnd the
Then a rush and the state leader, L . . Williams was almost swept off his Thi
This was the beginning of the biggest week in the history of the college. A ones, too-for some of them weren't more than 10 and some were high school seniors. They were the prize winning club members of the state, the boys and girls who made good in each project. They weren't slackers at lesspns, either, or they wouldnt have been exThey were there for a week of lectures, the and demonstrations-their first climpse of college life
In recognition of their achievements as club members their expenses were paid by the state fairs, the Kansas the state, Successful Farming and other organizations.

Looking to the Future
It was a big enterprise, this bringing together of children from all over the state to gy seing results of classroom work and by hearing lectures by the dean of each department. It was a vision of the possibilities that lie before them, wher they get thru high school.

Heretofore boys and girls have been the guests of the college with thei parents during Farm and Home weel and the young people were almost swallowed up in the great numbers of older people. This time everything was 200 who came saw the college under 200 who cal conditions. They had more normal conditions. They ha
studied their club lessons and followed studied their club lessons and followe
the rules of the extension division an


The Kansas Bread Club 1919 Prize Winners Whose Expenses tormanhattan Boys' and Girls' Week Were Paid by willing Companies.
now they had an opportunity to meet Marian Harrison showed them how to ome of the men and women who are make muffins. They talked and worked and sang with perfect self-possession
One of the fine things about such a just as if there wasn't another person Oeting is that it shows the young within a block. They proved conclu people that achievement brings reward. sively that young girls can conquer the If a trip of this kind doesn't make it difficult processes of cooking and do it clear to them that hard work brings ecognition, nothing else will. whole week. They attended the col-ers said
said: 980.05 sid in prize rell, National Leader of Boys' and from a litter of purebred corn fed Girls' clubs in one of the finest ad- pigs."-Gleason Freeman.
dresses of the year. They saw the rec- "A profit of $\$ 280.40$ from 56 turkeys." ord breaking cows and the prize win- - Dwight Carson.
ning hogs the fine poultry farm They "I made more than 700 bakings of sheep and the fine poultry farm. They bread last year."-Velma Dunn.
saw how wheat is made into bread and
the model kitchens where the college
"My record of 389 quarts of canned products made me a state winner."Ruby Thompson.
"One hundred and nineteen dollars and twenty cents from 5 square rods Peters.
Girls Show How It is Done
But they weren't entertained all the time. Ther had an opportunity to do their share on the program. One of the outstanding big things of the week anning by the all star demonstration anning by the all star demonstrat the best individual demonstrators in
Jennie Mellor Iva Welter and Grace
Jennie Mewr, the assembled multitude Baxter showed the assembled multitude
how to can tomatoes and carrots, and how to can tomatoes and carrots, and
Stella Heywood. Minnie Gossman and
take them thru many a hard day' work and many a difficult task. Last and best of all was the banthe boys and girls with autos and took them for a ride over town then to the Christian church for the final good time, also provided by the Chamber of Commerce. Such eats and such toasts. The boys and girls gave toasts, too. Iva Welter and Gleason Freeman heli their own beautifully with the experienced after dinner speakers. The club members sang and cheered and listened to the wit and wisdom or the older dad and mother and get ready to come dad and mother

Jessie Gertrude Adee.

## Camouflaging Old Floors

Almost every homemaker can remember the time when it was thought the only persons who could enjoy rugs on their floors were those who were building modern homes and having hardwood floors laid. The finish of these hardwood floors was believed to be the enough to extend beyond the rug.
There are many examples of floor orders for cugs to homes built before hardwood floors were thought of Where the floors are unsightly because of wide, rough, unvenly laid boards it has been neces sary to disguise them with some imita tion hard wood finish.
In a little home visited recently this had been accomplished by disguising in a most pleasing way by using oa veneer. The veneer came in the ver narrow board strips and gave the whole house the general impression of having the very latest in hardwood floors. sea a background brought out the on the floor. The design of the rus was on her kitchen floor too for she liked it so much and found it very easy to keep clean.
And then there is the roll goods in imitation hardwood finish. Congoleum can be found which looks quite in the harrow rolls one can easily get jus what is needed for the rooms. On homemaker spoke especially of bem able to clean this type of foor fimis by first going over it with a damp flom mop, then a dry one, following this with a regular floor polish. Sine sai she could keep the original luster that


The Mission of the Boys' and Girls' Clubs is to Teach Better Farming and Homemaking That or Their Last Year's Work
her floore have the appeärance $t$ being finished.
re the boards in the old floors t so extremely wide, or rough where they have been evenly laid
an get a very satisfactory finish an get a very satisfactory finish
aining. If there are any wide aining. If the boards it is a wise s between the boards it is a wise to use a paste ander which should should give a good deal of should give a good deal of or he would want to choose somethat would harmonize with the ork, the rug and the furnishings room. After applying a good dye and allowing it to become $y$ dry one could then use a varor a wax finish.
se stained borders for rugs re-
a little upkeep for wherever there a little upkeep for wherever there constant tread across them the will eventually wear off. How-
the regular floor polish oits, or the regular floor polish ons, or polishers will bring out the origilister and when the stain wears
it can be replaced without a deal of labor.
e average homemaker finds rugs nch easier to care for than carthat she has welcomed these mes of hiding the defects in the
floors and dressing her rooms up latest fashion.

Mrs. Ida Migliario.
Some Good Rice Dishes
Rice and Milk-Broken rice is prerice well, drain, add 1 cup of cold oiler until heat slowly in a double cups of milk and absorbed. Add cups of milk and 1 teaspoon of and cook until the rice is soft all way thru. Serve hot with brown aple sugar, honey or corn sirup. we a little more milk and se
with crushed or sliced fruits.
with crushed or sliced fruits.
during the cooking and using a luring the cooking and using a more milk, we have creamed rice, xample, when the rice is nearly xample, when the rice is nearly
stir in the beaten whites of 2 stir in the beaten whites of 2
or use part egg white and part or use part egg white and part andied fruits; or serve in tall ndied fruits; or serve in tall
$s$ with a spoon of preserves or top, and garnish with whipped
loped Rice with Cheese Sauce 11 cup of broken rice; put in of a double boiler, add 1 cup to a boil, add 1 teaspoon of salt cups of boiling water, boil 5 es over direct heat and let steam oiling water until soft and dry. stir as it cooks. Place in a
d baking dish alternate layers of e and of cheese sauce. Cover with greased rye bread crumbs make in a hot oven until the s are delicately brown.
se Sauce for the Rice-Make a of fat, 2 tablespoons of flour of fat, 2 tablespoons of flour, siloon of salt and cayenne pep-
it melt 2 ounces or $1 / 2$ cup of In it melt 2 ounces or $1 / 2$ cyp of
or chopped cheese. For 1 cup or chopped cheese. For $1 / 2$ cup e will be needed.

Homemade Food Cooler
have a milk or food house which $k$ is very practicable. Our wind-
about 20 steps southwest of the door. We had a substantial if feet by 8 feet, built on the de of it. The house has a door east side with windows on the and west sides. The floor is ce-
made of 2 -inch redwood is on th side. It is 2 feet wide, 4 feet 4 feet high and has a hinged This box is set on wooden 2 feet high. In the southeast of the box, 6 inches from the hole just large enough to inend of a $11 / 4$-inch pipe, thru center of is run from the well. center of the west end of the inserted hole in which another inserted, thru which the water to the stock tank a foot farther varden for irrigation
s of various sizes and heights built in the box so that food may be set on them. The erything fresh and sweet and easily kept clean. Co., Kausas.

## Womeis Service Comer



## The Old Color Question

 ittle color in her face. What colors should
she wear? I have medum frown hair
Dlue red eheeks. Wha a light complexton with very
becoming to me? colors would be the most Your sister should be able to wear white solden should be able to wea and old rose. I believe you will find the following colors becoming to you White, dark shades of brown, gray cream, pale pink, black with touches of bright trimming, and all shades of blue

## Painting an Old Rug

Can an ingrain rug be painted? If so, how
should it be done? Can a celling be papered that is covered with. celling boards?-An
Interested Reader.

Ingrain carpets sometimes are sized several times with a paste made on flour and water boiled together, and then painted. This makes a good imitation of linoleum, and will be found very satisfactory. Each coat of paste should be dry before another is applied, and the sizing should be hard before it is painted.
Wall paper cannot be put- on ceiling boards satisfactorily, but a canvas can be purchased at any store that handles wall paper to cover the ceiling boards and the paper may be put over this.

Give a "School" Party Can you give me a suggestlon for a
birthday party to be given in August or
September? Boys and girls between it and 24 are to boys and invited. Hirls between 17
How should the
invitations be written? -A Farm Girl Most young persons enjoy a party that is "different." Here is a sugges factory and entertaining, if carried out properly. Send the following invita tion:
You are asked to come on this certain day, Aprons and overalls you're asked to wear, And forget for the time, your everyday care Come and enjoy the fun in store.
August 26,8 P. M.
Mary Fix up a room as much like a schoolroom as possible, and have someone appointed before the party to act as school teacher, perhaps an older sister near like a real school as possible. Plan a spell down, an arithmetic contest, a singing round, and all the special things you enjoyed at school. Also it would be a good idea to have speaking day, and let each scholar speak a little piece or sing a song.
When "noon" comes, the hostess should serve refreshments, which are packed in lunch buckets. Put a girl's name in each lunch bucket. and let the boys choose a bucket apiece, and then eat with the girl whose name is in their bucket. Deviled eggs, sandwiches, cookies and some kind of fruit would be nice for the lunch. The girl or boy cake and candies with his lunch the can put the cake on the teacher's desk light the candles, and cut it giring each person a piece After that play any favorite school games until it is time for the guests to leave.

Home Dressmaking Course Win you please tell me where I can take
sewing lessons by mall?-A Reader, Craw-
ford Co Kansos If you will write to the Woman's In stitute, Dept. 8-C, Scranton. Pa., they will send you a booklet explaining their course in home dressmaking.

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We guarantee that every display advertiser in this issue is reliable. Should with any subscriber, we will make good with any subscriber, we will make good the amount of your loss, provided such from date of this issue, that it is re ported to us promptly, and that we find the facts to be as stated. It is a condition of this contract that in writing to advertisers you state: "II saw your advertisement in the Kansas Farmer and Mail and Breeze."
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D. GHIRARDELLI CO.

Since 1852 San Francisoo
no grating, no waste.
(a)

## GHIRARDELLI'S Ground Chooclate



## Vegetables for Next Winter

## Canning Surplus Food Will Save Much Money

## BY MRS. DORA L. THOMPSON

IF ONE IS to be successful in can- acids from vegetables that would cause ning any product she -must have them to spoil if placed directly in the her equipment ready before begin- can. The length of time required to that will be needed is spotlessly clean. by experiment and is given in the The jars and rubbers must be perfect; companying table. It differs the otherwise the food is likely to spoil no bulk of the vegetables differs or matter how carafuly the work is done the usual time for cooking differs Most vegetables are in prime condi- as the acids to be overcome diffe tion for canning if picked fairly early If I were giving a beginner any one in the morning. Even then large quan- caution it would be-never undertime standing for any length of timé If ift Overtiming the blanching period or the many peas, for example, are left in a product. This is to be preferred to basket, they will heat and all the sterilizing one can come the flat sour that would result Many women who have little help have overcome the difftculty of pick ing a few peas at a time by placing quantity on ice or in ice cold wer I often think that most vegetables especially are like milk Warm air and muggy, damp air will cause souring.
a spoiled or rotten one.
fren the sack of peas or beans has remained the number of mil utes required the boiling blanch sack should lifted out, drained somewha plunged into basin of the cold. est water to be had. This cold dip, like the hot It also sets the color and shrinks the product. The vegetable should

This often takes place before the veg- be left in this cold water only long etable is placed in the can. The be- enough to thoroly cool it. It should ginner will certainly succeed best if she then be emptied into the sterHized cal picks at one time no more of any veg-a teaspoon of salt to the quart of m etable than will fill one can. duct added, and as mach real warm In placing one's equipment for work, water (boiled preferred) as is desirct the canner, a small basin containing for reheating the product should be rubbers and lids, and two kettles of poured into the can. No harm is done boiling water should be on the stove. If water is left off peas. One shonld One kettle of water we shall use for not open a can that has been blanching. It is possible to have the cessed to add water unless she jars tempering in the canner and to peats the processing for hall an hour place the filled cans beside them one When the can is filled the rubber at a time. If one has plenty of stove and cap should be placed in position. room a dishpan containing the jars The position for the rubber is lying the hot cans. Demonstrators usually taken to see that it is not on should use the canner for sterilizing jars.
When we have shelled enough peas as tight as it may be by turning or broken enough washed beans or the thumb and little finger. Jars cleaned enought asparagus to fill a can a glass lid and wire clamp should
we should tie that amount in a muslin the wire placed over the sack, or a dishtowel, cheesecloth or clamped down. Economy jars should mosquito netting and plunge into the have the lid placed in position and the boiling water to be used for blanch- spring clamp placed over it
ing. This blanching is really parboil- The packed can is now ready to he ing. It kills many germs. It removes immersed in the hot water bath.

## Time Table for Scalding, Blanching

 and Sterilizing Vegetables| Products by groups. | $\begin{gathered} \text { Scald } \\ \text { or } \\ \text { or } \end{gathered}$ | Hot wateroutfits. at $212^{\circ}$ | $\begin{aligned} & \text { Water- } \\ & \text { seat } \\ & \text { optlft, } \\ & 2144^{\prime} \end{aligned}$ | $\begin{gathered} \text { Steam } \\ \text { pressure } \\ 5 \text { tou } 10 \\ \text { pounds. } \end{gathered}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Special Vegetables. | $11 / 2$333335105515 | $\begin{array}{r} 22 \\ 120 \\ 120 \\ 120 \\ 120 \\ 180 \\ 180 \\ 90 \\ 90 \\ 120 \end{array}$ |  |  |  |
| Tomatoes |  |  | $\begin{array}{r} 18 \\ 90 \\ 90 \\ 90 \\ 90 \\ 120 \\ 120 \\ 80 \\ 85 \\ 90 \\ 90 \end{array}$ | $\begin{aligned} & 15 \\ & 60 \\ & 60 \\ & 60 \\ & 60 \\ & 90 \\ & 60 \\ & 50 \\ & 60 \\ & 60 \end{aligned}$ | 10404040406050304040 |
| Pumpkin |  |  |  |  |  |
|  |  |  |  |  |  |
| Sauerkraut |  |  |  |  |  |
| Corn, sweet |  |  |  |  |  |
| Corn, fletd. |  |  |  |  |  |
| Mushrooms peppers |  |  |  |  |  |
| Greens ...... |  |  |  |  |  |
| Pod Vegetables and other Green Products. |  |  |  |  |  |
| Beans, wax | $\begin{array}{r} 5-10 \\ 5-10 \\ 5-10 \\ 5-10 \\ 5-10 \\ 5-10 \\ 3 \end{array}$ | $\begin{array}{r} 120 \\ 120 \\ 120 \\ 120 \\ 120 \\ 120 \\ 60 \end{array}$ | 90909090909040 | $\begin{aligned} & 60 \\ & 60 \\ & 60 \\ & 60 \\ & 60 \\ & 60 \\ & 30 \end{aligned}$ | 40404040404040 |
| Beans, stringless ............ |  |  |  |  |  |
| Okra ${ }_{\text {Peppers, }} \ldots$ green or |  |  |  |  |  |
| Peppers, green or |  |  |  |  |  |
| Brussels sprouts ............... |  |  |  |  |  |
| Cauliflower ................. |  |  |  |  |  |
| Root and Tuber Vegetables |  |  | $\begin{aligned} & 80 \\ & 80 \\ & 80 \\ & 80 \\ & 80 \\ & 80 \\ & 80 \end{aligned}$ | $\begin{aligned} & 60 \\ & 60 \\ & 60 \\ & 60 \\ & 60 \\ & 60 \\ & 60 \end{aligned}$ | $\begin{array}{r} 40 \\ 40 \\ 40 \\ 40 \\ 40 \\ -40 \\ 40 \end{array}$ |
|  | 5555555 | $\begin{aligned} & 90 \\ & 90 \\ & 90 \\ & 90 \\ & 90 \\ & 90 \\ & 90 \end{aligned}$ |  |  |  |
| Parsnips |  |  |  |  |  |
| Salsify |  |  |  |  |  |
| Turnips ${ }^{\text {Beets }}$. ${ }^{\text {a }}$. |  |  |  |  |  |
| Sweet potatoes |  |  |  |  |  |
| Other roots and tubers ..... |  |  |  |  |  |
| $\underset{\text { Vegetables }}{\substack{\text { Combinations }}}$ and Scup |  |  |  |  |  |
| Lima beans | $\begin{aligned} & 5-10 \\ & 5-10 \\ & 5-10 \end{aligned}$ |  | 120 |  | 40 |
| Vegetabie combinations |  | 180 120 | 120 120 | 60 | -45 |
| Vegetable combinations |  | 120 |  |  |  |

vater should cover the jars. This ast boiling of the product in the jars oonpletes the sterilization of the jars' ontents. disquired for processing (see able) is necessarily long. It may not shortened with safety. Time should
counted only from the minute the counted ond the cans begins to boil rously. When processing is comlids tightened and be stood on end to see if there is any faulty
If any can shows leakage around d a new lid should be substi-
and processing repeated for 20 and processing repeated for 20
a to a half hour. to a half hour.
y housewife who hasn't a copy
mers' Bulletin No. 839, "Home , by the One-Period Cold-Pack should send to the United
Department of Agriculture, Department of Agriculture,
gton, D. C., for one. It gives ghton, D. C., for one. It gives
step in cold-pack canning and explains every detail
To Make Sewing Easy
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material into the seams and letting

fall maturally in cascade ripples al-
1 to the hem. Stizes 26, 28, 30, and gemers waist measure.
Dadies' Dress.
-Ladies' Dress. A wide sash rery new and decidedly attractive cature of this spring frock. Sizes 36 ,
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## A Good Health Covenant

myself to so 11 ve that 1 may be
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proserve
of acy,
or will adversity and equanifilty allke in of seasonss
of plenty. EVANS, -W. A. EVANS, M. D.

## Farm Home News

It is generally known that the best substitute for potatoes is some othe The usual substitute on the farm table is probably a food of very different nature. Beans seem to take the place of potatoes even tho they are largely protein. As they are heating by naweather do not make an ideal not working person in that he doesn't get hungry quickly after eating them. For several reasons, we expect this year's crop of naty beans winl be exhausted before the next is harvested.
For awhile, Lawrence papers contained an advertisement of a store's price for navy beans at $81 / 3$ cents a pound. When we sent for some, we. found that supply exhausted and a price of 10 cents a pound the least quoted anywhere. We were eager to use the lower parts of the pork leg value of the lower leg joints is met great one but the stock is excellent. cold pounds of beans were soaked in and nearly covered, placed in jars stock. We cooked them in the pressure cooker for $11 / 2$ hours at 15 pounds of steam pressure. The dollar's worth few beans to 14 quart jars with a sauce for some but doubtless the meat stock had more value. The cost of our 14 quarts, bought canned, would have been $\$ 3.50$. We think the time well spent in canning the beans as the bones used were in best condition and two heat periods cooked beans for 14 meals instead of 14 heat periods for as many meals.

If we should depend upon our or chard for the filling of our empty cans, it is doubtful if they would be filled. It now appears that the peaches, peairs and most of the apples were killed by the frost. Blackberries suffered, too. Hopes of extra early potatoes were gret our lavish use of the fruit canned ast year. Substitutes will have to be found for apples and pears. Fortuno seriously affected nearby were not so seriously affected.

We suspect rhubarb will not be Treatly in demand for spring sauce. The sugar situation is not such as to make the a verage housewife turn much with canning some in cold water. The best canners pour water into the cans until all air bubbles have disappeared and then seal. The process of drying is applicable to rhubarb, too. Some have succeeded who did not blanch before starting to dry but the most experienced blanch about 3 minutes before starting the drying process.

A Ceader has written asking what material was used in ridding hens of spraying what would make a good house. We used sodium fluoride for dusting the hens. Poultry bulletins recommend that more than any other material. It seems to be most efficient. A few pinches worked into the feathers in the fluif, under wings and so forth are all that is required. A hen set on eggs should be dusted when placed on the eggs and again in 10 days. We often hear that hens leave the nests after two or three days. It is probable hat the Young chicks for them to remain. sodium fluoride when the weather was ot favorable for the use of prease Some persons feel surer of results if they see the whole body of the hen under water and so mode of the hen lution of the sodium fluoride and use as a dip. The material usually may e purchased at drug stores in pound cans. It is generally sold for 60 cents Probably crude carbolic acid in water is as good a material to use for spraying purposes as any. We usually have creolin stock dip on hand and so we have generally made a solution of that and used it as a spray. Kerosene does good work, too. The rubber parts of the spray pump and hose are badly afected by kerosene, however.
Jefferson Co., Kansas.


The oxford illustrated is a typical "Diamond Brand" style-the shoe for you because it combines the three essentials of shoe satisfaction-Stýle-Comfort-Service. Solid leather soles, heels and counters insure good service.
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$T$ HE Grain-Saving Wind Stacker ordinary process. It saves enough, in fact, to pay the threshing bill.
For this reason the Grain-Saving Stacker is the most important improve ment in threshing machinery that ha been developed in the last twenty-five years.
On your job you can be sure that your
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Four Ploce Jowelry Set FREE
 McGREGOR, Dept. 5, TOPEKA, KANSAS

## Name the Presidents




FOUR GREAT MEN-WHO ARE THEY
Can you name the four Presidents? This puzzle represents four United States Presidents. Who are they? Try and name them-it will at once together with the coupon, and I will tell you all about the Ponies which are going to be given away FREE.


## For Our Young Readers

## Dad and Louise Make Plans for Mother's Day

## Y KATHLEEN ROGAN

DADDY," asked Louise, "what is purity, its fragrance, its field "Mamma's Day?" Dad was bright flower is worm for the mo puzzled. - "Yho is living and a white flower "Yes," replied Louise. "One of the her who is gone, he explained girls at school said she was going to wear a red carnation Sunday, because


Louise Chooses a Red Rose
it was her Mamma's Day. She asked me what kind of a flower, I was going "Oh. yes," said Dad the second Sunday in May is set year the second sunday in May is set aside
"But why, Daddy?" asked Louise.
Then Louise's father explained that it is a day to honor one's mother.
churches have special programs for her on that day," he added.
"Why, it's just like Children's Day, except it's for mothers," cried Louise. "Will mother have to speak a piece or be in a flag drill as we do on Chil dren's Day?" she asked eagerly.
But Dad explained that mothe wouldn't take part in the program, but that she would be the guest of honor and everybody else would entertain
her. "Who first thought of
Her father explained that the origin of the custom dates back to 1907, when Miss Anna Jarvis invited a friend to mpend the second Sunday in May in her home to commemorate the date of her mother's death. During the day the daughter told her friend of her desire to dedicate a day to all mothers. The following year the mayor of Philadelphia issued a proclamation calling upon the people of that city to celebrate the day in their churches and homes. The custom spread rapidly to other cities and has now become na tional and international
"Then just because some one loved her mother, she wished everybody in the world to love their mothers?" asked Louise, and added slowly, "Wouldn't it be wonderful to start the whole
world to doing something! Do you world to doing something! Do you suppose, if I told the mayor of ou love little brother, he'd make everybody love little brother, he'd make everybody
love their little brothers, too?"
But Daddy explained that Children's Day is for little brother. For a while Louise pondered about what she had
learned about Mother's Day. "But why did my chum say she was going
to wear a red carnation Sunday?" she to wear a red carnation Sunday?" she "A flower -worn on this day shows respect for one's mother," replied her
father and told the little girl that the carnation is a fitting emblem of a
wearing of a flower for her is but The day may be marked by and tinct act of kindness toward her. show affectionate remembrance Louise was silent for a little whit Then, "Oh, Dad, aren't we glad we "an wear red flowers," she exclaimed "Let's go now and choose them. W can select our gifts, too. I know just And won't she be glad when she gets And w

Adam and Five are Rabbits
We have four rabbits on our farm two old and two young. We call were the first rabbits on our plat They are about 1 year old. The youn ones are about 6 weeks old, and has not been named yet. Adam and Ere are quite tame, but the young ones are rather -wild. Our rabbits are Ne Zealand Reds.
I was feeding Eve one night when saw three little rabbits in front of b house. I was very much surprisel and delighted to see them. Of course, I ran in and told the folks about them. The three died and for awhile thought she had not any more. Bu there were and there. The weather not bring the little ones out from the not bring the little ones out from nest of fur she had made for them Then they only got out of the nest for a- few minutes each day.
Adam has to "batch" while his wife keeps house and tends to the babies Adam's house is a small box with a wire rum attached. Eve and the babics live in a house made of two large packing boxes tacked together $A u$ old incubator tray is fastened at the front for their window. Sometimes the little bunnies crawl out of the bor and run around, but whenever anyone comes near they scamper back in They like to sit by the window in the sunshine and watch what is going Inside the house in one corner, heir bed. It is made of straw, I keep alfalfa hay befor
the keep alfall all the time, and for breakfast they get give apples, potatoes or sometimes
give left over from our breakfast. For supper they get corn, parsnips, oats cooked potatoes, or sometimes a ma made of cooked potatoes and corumeal made or cooked potatoes and coris. Butler Co., Kansas.

Doro
What Four Vehicles?
The names of four vehicles are r resented in this puzzle. When you found them send your answers Puzzle Editor, Kansas Farmer and Ma

e packages of postcards for
ix boys and girls who send it answers.
Solution April 24 Puzzle-The re: Increase, release, please. grease, cease. Prize winne Hazel Grimm, Eskridge, Kan.; E, Soukup, Wilson, Kan.; Clarel

Gray, Luray, Kan.; Blanche Hamon, life, with your friends dibout you, hope in a great city where the English Valley Falls, Kan.; Lila Hahn, Glen may not seem of great importance healer, Hickson, about whom you have
Elder, Kan.; Ray Castetter, Lost "Surely," you reason, "these,things win read, was treating sick folks by the Springs, Kan. $\qquad$
Boys to Attend Jamboree come true because every day ls glad." laying on of hands and by prayer. come true because every day is glad." laying on of hands and by prayer.
Your mother, tho, Elsie, could tell you Some seemingly miraculous cures were of long days of loneliness when your reported but whether true or not i do father was in the field and you chil- not know. But as I stood without the Fortunate are the boys who will be chosen from the Pioneer Division of the Boy se international Scout-Jamboree to be held in London July 30 to August 7. Some of the points which will be considered in selecting the boys are merit badges, general scout-like spirit in conduct and general appearance as to uniform, equipment and so
forth. Each delegate is required to spend at least 10 days in New York
before the date of sailing, so that he before the date of sailing, so that he may be given th
and instruction. Individual competition in exhibits to
be shown at the Jamboree will conbe shown at the Jamboree will con-
sist of models of engipes, stamp collections, diaries or scrapbooks and arts the hands of the National Council June 1 and must first have been passed upon by a committee of experts and the local examiner of the boy making them. Entry blanks will be supplied by Chief Pioneer Scout, Boy Scouts of America, 200 Fifth Avenue, New York City.

## Inseparable Companions

Charles Swain and his dog are inseparable companions. Wouldn't you
like to play with a big fellow like this?


Charles thinks he is just as fine a The two companions have many fine romps together.

Letters to a Farm Girl
(In this letter Mr. Case gives "hope" as
the necond foundation stone in the building
of charater of character. A really worth whille charg
acter cannot be formed without the first
otone acter cannot be formed
stone, faith, and hope.)
Dear Elsie: Yesterday I found a little Wood flower peeping thru the surroundward the sun. Grim winter has scarcely left us and even now there are now patches from the latest storm. But something told that flower that soon there would be only gentle showers: that the sun would shine brightly all day long; that others would come Thowding upward to bear it company.
That flower had faith and linked with it, hope. To me it seemed an emblem hoth and it brightened a day that chill and gray. At first I thought ould pluck the flower and send it you but surely so brave a thing tope is
pe is the second foundation stone. No it we farm folks could not No matter how distressing a
may be, the next spring finds urning be, the next spring finds
with renewed hope to the s in hand. Always we live in promise of the future and altho deferred may make us heartsick, the coming of spring we forget the anm carry on. So the farm girl wos in the wholesome atmosphere of holpe which helps to instill self-confiIf the Hope is a good comrade but
ming things hoped for come true, it thuk work hand in hand withe its holphers perserd be served by the twin In these crowded days of youstrs. In these crowded days of your school

Farmers, Attention!
 The Hufohinson Tanning Co., Hutchinson, Kansas tell you, too, of days when everything more than 2,000 persons, many of was so depressed and gloomy that as they stood in line or incurably ill clouds of doubt seemed to enshroud the coming of the healer, I saw as if ppon home. It wás then that faith and hope a picture screen the portrayal of hope came to the rescue and her sympathy and faith. Men there were who seemed and assistance stemmed the tide and depressed and fearful but in all that helped bring a brighter day. Hope is great throng there was no girl or womnot for ourselves alona for by hoping an who did not look with shining face and trusting rightly, we help others. for the coming of that representative remember this foundation stone and sightless eyes upon the closed door and

## SEED CORN

One grade which is the best
PLAINVIEW HOG \& SEED FARM Frank J. Rist, Prop. Humboldt, Mebraska I said in my first letter that the his hands and blessed them hope trans- GoldPlated Flag Pin Free
 attend one of the mission meetings John Francis Case.



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 EVERY DEGREE of WEAR there tsA SCIENTIFIC SINCLAIR OIL to SUIT its SPEED AND CONSERVE its POWER.Ask the nearest Sinclair Dealer for a free copy of the Sinclair Recommendation Index.

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Doesn't hurt a bit and "Freezone" costs only a few cents


You can lift off any hard corn, soft corn, or corn between the toes, and the hard skin calluses from bottom of feet.
Apply a few drope of "Freezone" upon the corn or callus. Instantly it stops hurting, then shontly you lift that bothersome oorn or callas right off, root and all, withopt one bit of pain or soreness. Truly! No humbug!

> Tiny bottle of "Preezone" costs
> fow conts af easy disug, -atore
 Deafness Pataet hearing ion now being re


 Wiison Common-Sense Ear. Drums





## 

Farm With Your Ford







## Health in the Family

## BY DR. CEARLIES H. LERRIGO

SERVICE in this department is ren- name of the doctor at present in charg dered to all our readers free of of the health car is Dr. Carr. charge. Address all inquiries to. Other persons than mothers and Dr. Charles H. Lerrigo, Health De- children may gain a great deal of helppartment, Kansas Farmer and Mail and Breeze.
Kansas Health Car, "Warren" Do you know that you are part owner and proprietor of a Pullman car? This car was presented to the Kansas state board of
health in 1915 by the Pullman company and thereby became the property of the and thereby became the property or the state . Dr. S. Crumbine obtained the h car on his personal representation to the Pullman company of the great value it would be in presenting to the people
of Kansas a traveling exhibit showing how thsas a traveling exhlit showh fuberculosis may receive Low they should conduct their methods full information as to the way in which wealthy in order to be "healthy, his suspicion may be cleared up, and put into and wise:" Since the car was as to the proper method on trealth about 4,000 miles, perhaps you have. The great subject of venereal disseen it standing , enon the side track ease that is now recognized as of so in your own town. It is named the much importance also receives atten"Warren" in memory of Warren Crum- tion from the doctor on the health car. bine, a bright young Kansan, the only There is literature on almost every son of Dr. S. J. Crumbine, who died subject pertaining to health and hysome pioneer work in food supplies. that when the car goes away from a For the remainder of this season, the town, it leaves behind it a great deal car will be in some of our western of food for thought.

## counties on the Chieago, Rock Island A School Boy's Impression

\&. Pacific railway, and among them will be Kiowa, Meade and Seward. Of course, the chief business of this
health car is educational. When it reaches a town, the superintendent of schools, the city officials and usually the club women are notified, and it is aranged as far as possible that the
school children and their parents shall have the opportunity to visit it.

Special Attention to Mothers
There is a woman doctor who travels with the car and is ready to give advice on all problems, and especially those concerning the health of babies, mothers of babies and older children. A mother who feels that her child is
not doing as well as might be expected, not doing as well as might be expected, may take the little one to the car and amination. She will weigh- the baby and measure her ; she will find out how the little one is being fed and will tell the mother how the feeding should be conducted to-give the baby the best chance for easy digestion and assimilation. She will show the best kind of
clothing in which to dress the little clothing in which to dress the little one, and there is even a complete bath outfit so that a demonstration can be given as to the proper manner of atending to the various little intimate details of the baby's toilet. The doctor the way of giving advice as to the health of the child, but stops short of giving medicine or any of those things that are legitimately the work of the


This in the Kansas Heaith Car Warren Which is Thoroly Gquipped with Al Necessary Appllances for Giving Practical Demonstrations.


## 1 Gan Ship

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Don't throw them away. Save them and
ship to us. Well pay you HIGHEEST 3IAR.
KET PRICE. Get your nelghbor to ship
his bags with yours 50 years in busin ss. FULTON BAG \& COTTON MILLLS
St. Soventh St.
St.

The Midnight Marriage

 and 10 eents. Address
The Household, Dept.MM.2. Topeka, Kan.

G-I-V-E-N F-R-E-E

 and
CAPPER'S PARMERR, Pictaro Dopt., Topken, Ken.

## Financial News for Farmers

## BY R. M, OLARK

A
STlLL stronger tightening up on mand for money to carry on farm work loans was the more notable de- and the out-of-doors construction work elopment of last week with the hucrs of the whole country discourging non-essential preference to merutile loans and the Middle West giv ing preference to grain, livestock loans and mercantile loans. In the bread asket country the steady tightening p on loans is showing a marked ef, men who With a dozen calls for every lollir there is to lend, the experienced nvestors are picking carefully among the safest and best securities, which arually are those that supply the mest needed necessities.

Fake Securities Are Active
II contrast to this canniness of the investors of experience is the gulli-
ility that is being shown thruout the Hiddle West by wage earners and farmers in investing small, and some imes large, savings in fake securities inf wildeat oil stocks. Hundreds of hun of daken from men of small incomes recently, ad still the harvest continues. During war the government kept an eye
he fake stock and bond salesman fake stock and bond salesman ofered his paper for Liberty has been removed the promoters andulent stock deals have un el a bonanza in trading for libBonds. is to offer to take Liberty onds at par for their securities Wh't trade. Get your banker to buy ikerty Bonds or some one of the hunof safe bonds, if you invest or ange your investments.
Why the Banks Must Be Stingy ould handle a car of wheat. Now same deal requires upward of .000, produce, flour, livestock, all ide money to the banks must money to carry on business
require two to three times equire two to three times as in loans as formerly. The same bank down to the little comntry the business the little country the business of the community ago. Coupled with this condiago. Coupled with this condi-
the fact that thruout the bread country the banks have been
coud thruout the bread on to carry short have been canse the switchmen's strike so ted transportation that traffic ering slowly and shippers were in realizing on their shipments. old customers to be accommoand with new demands con-
rushing in the banks are fightkeep their loan accounts down.
linn Street Combinations Inactive ge for the week may best be d by the somewhat indefinite so-so." There was a seeming interest by buying pools, apthe result of the banks holdA few speculative stocks
gains and there was a overy from the bearish market mevious week, but on the whole dency was to sell on small on the upturns. Call money
10 per cent for a brief hour 10 per cent for a brief hour,
ped back to 8 and 9 per cent. work curb market saw heavy several oil stocks and in a developments and the strinthe money market and not to The English pound sterling going to about $\$ 3.50$, a drop from the high mark of German marks at around were stronger. French ermment Expenditures Huge vovernment is spending money fise of 18 million dollars a day is tremend that will end June s tremendous outlay is having
effect on putting the country a sound basis. Approximately With the usual May time de-
ment's ens up every May the govern ing a bandicap.

## Strongest Protest Yet

Of all the protests against the present meat packing and distributing sysem of this country, the action of 70 Dakote deserves first county, Nouth eally effectives first honors as being and consumers of meat other producers basting both packers and been lammeat both packers and retailers of their meetings, passing resolutions at o Woshingto this combunity South Dakota folks organized a "meat ring." All thru the winter these fam lies have had fresh meat delivered to them regularly at about half' the cost of the same meats in the butcher cost of their towns. For example, while steaks were retailing. at 40 to 50 cents pound, members of the meat ring were getting theirs at is to 25 cents. They paid 13 to 18 cents a pound for oasts, 9 to 13 cents a pound for boiling meat, and so on. And while buying he best of meat at these low prices, he members received top prices for such stock as would meet their requireinents, for only the choicest animals re selected for butchering to supply organization with meat.
manager, chosen by the members, ttends to the buying of the animals, their killing, cutting up the meat, and pportioning the cuts. Thru the winter and distributing on Fiday, and cutting point of killing on Saturday. The in the country and distribution is out nearest town. $21 / 2$ miles from the radiates out from 5 territory supplied radiates out from 5 to 8 miles in all directions from this point. Deliveries some member of each grooup groups, by about plan. about plan.
Literatur
the packers sent out by the tom their system of killing bureaus declares and their distribution system the most efficient that have been or can be devised. The utilization of all byproducts, they say, makes it possible to handle the meat at a minimum of expense, and any plant not equipped to utilize the byproducts in this way cannot compete with them. But byproducts or no byproducts, this South Dakota community has cut its meat bills in half, and seems to have all the best of the argument ficiency in distribution. ficiency in distribution.

## A Modern Sod House

The sod house owned by J. A. Chessmore near Atwood is one of the few

probably is the only one in the world by an independent plant purchased for

Guard Against Farm Fires Farmers Bulletin No. 904, Fire Prevention and Fire Fighting on the Farm, in a revised form, has just been issued suggestions of the greatest value to men who wish to prepare against fire losses; it should be in the library of every Kansas farmer. It can be obtained free from the United States Department of Agriculture, Washington, postcard if you wish. right now, before


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How to Prevent White Diarrhea
Dear Sir: I have raised poultry for years and have lost my share of little chicks from White Diarrhea. Finally 1 learned of Walker's Walko Remedy for this disease, so sent for two 63c packages to the Walker Remedy Co., Dent.
46 , Waterloo, Iowa. I raised over 500 chicks and never lost a single one from chicks and never lost a single one from
White Diarrhea. Walko not only prevents White Diarrhea, but it gives the chicks strength and vigor-they develop chicks strength and feather earlier. I have found this company thoroughly reliable and always get the remedy by return mail. Mrs. L. L. Tam, Burnetts Creek, Ind.

## Don't Wait

Don't wait until White Diarrhea gets
alf or two-thirds your chicks. Don't half or two-thirds your chicks. Don't
let it get started. Be prepared. Write today. Let us prove to you that Walko will prevent White Diarrhea. Send 63c back if not satisfied. Walker Remedy Co., Dept. 46, Waterloo, Ia.

## SAVED <br> 500 CHICKS

Dear Sirs: I used to lose about half my little chicks with white diarrhea them. Two years ago, after losing about 200 , a friend gave me some about 200 a friend gave me some After that I did not lose a chick. The and is sold in 52 c boxes by C. E. Wight, Lamoni, Iowa. Last year I raised over 500 chicks and with the help of Chick Tonic I did not lose one with white
diarrhea or bowel trouble.-Mrs. Frank Myer, Tecumseh, Kansas.

## Send No Money

Do You want to save YOUR little
chicks.
in want to try white Mr. Wight saying Tonic.
He'll send
 solutely uaranteed-your money back
if not satisfied. Send to C. E. WIGHT, Dept. 1746, Lamoni, Ia.

## Capper Doultry Club

You Simply Can't Discourage Kansas Girls

BY MRS. LUCILE A. ELLIS

I
TT ISN'T vey often that we tell hard bridge with an 8 -foot embankment, also luck stories, but the tirit of Cap- a deep mud hole. One wheel got in a meet difficulties is so noticeably dif- causing us to go over this embankment, ferent that I feel it deserves mention. but one wheel caught in a tree as we "All the girls seem to be doing fine in were going down and held us there. our club and they never get discour- We all got out of the car and found a aged when they have bad luck," wrote man to pull it back into the road. It "Just think member of Atchison county. Was damaged considerably and engine set a hen and the old hog would eat all would run, so we went on to the meet15 eggs! Well, Ruth Banks had this ing." ,"s I said before, "Nothing stops


MarJorie Emery, Crawford County.
kind of luck. Did she stop and give up because she had had bad luck? No的 and every one of those eggs hatched. And girls in Republic show the same kind of pep that Atchison county girls do. "I just wish you could see my "the chicks," said Alice Pressnall. I set 108 eggs but the incubator didn't run steady so they didn't hatch good. But I'm not a bit discouraged, for you know the old saying, 'A bad beginning makes a good ending.' I am hoping for better success next time. I call my pullets are doing fine, too. I got eight
mithe pullets are do'
eggs one day."
After you read this letter you'll really begin to think that all of these You know Pollyanna always found something to be glad abont. You've "I had a little bad luck," wrote Ruth the coop and completely covered one hen. The other hen was off her nest, all of her eggs were frozen. The next
morning we threw away the eggs that were frozen and kept the others in the
melted. Then we cleaned out the coop
and put the hen and eggs back in it.
My sister turned out. her pet pig and
it went nosing around and knocked the door of the coop open, rooted the hen the eggs. That surely was bad luck, but F have three hens coming off the latter part of this month and som tending to Mamma's and my chickens, Leavenworth county mas chickens. Leavenworth county has adopte their motto "Have a smile", and for of the members of this club said, "When you go to the hen house and don't find an egg you certainly need a smile. away from county meetings. When they start anywhere they go, and that's all there is to it. This letter from Edith Grover, the Coffey county leader, describes a part of the trip to their
third meeting. "Papa was drivin pretty fast to get up a steep hill. At pretty fast to get up a steep hill. At
the bottom of the hill there was a

## It's certainly fine to be secretary of

 a club of about 350 girls and their mothers, all of them showing so much pluck and enthusiasm. I read an especially good letter and say to Mr. Whitman, the pig club manager, who sits about 6 feet from me, $I$ don't like to bother you, but just listen to what this girl says." He's always very polite about thing that hapen in the Cap about things that happen in the Capper Poultry clubMarjorie Maxine am using today is of Marjorie Maxine Emery, a little cousin Crawford county in 1919. She's going to be a member, too, when she's a few years older.

A Prize Winner's Contest Story
This is the contest story of Ruth Wheeler, Coffey county, who won third prize in the open contest. Ruth raised
145 chickens from her pen of eight Rose Comb Rhode Island Red pullets Rose Comb Rhode Island Red pullets
and a cockerel. Her profit was $\$ 292.03$. "In February, 1918, I decided to join the Capper Poultry club. I saw how many excellent advantages the club ofthere should be more girls in my county who would receive this training. o awaken county pride I put writemore members and telling them what lot of pleasure and good times we have along with our training. Finally I received word that our county membership was complete.
In December, 1918, I bought my cockerel for my pen in the club for ight Then February 1, I penned my the Rose Comb Rhode Island Reds. chose this breed because they are such large birds, excellent table fowls, good layers and there is always a large demand for them.
o set I had gathered enough eggs hens were first hatched I gave them oatmeal sand, bread crumbs and chick feed, five 6 weeks old I began to feed them larger orn, bran, chick feed and crumbs from
range where they gathered worms and

## rasshoppers

ing.
permanganate potassium twice a weel
green alfalfa leaves and kafir.
ot mash at noon composed
scraps, potatoes, potato parings.

## and corn. I also gave them hot

"My cockerels now weigh from
o 8 pounds. One day it was so gills were frozen corers comb osing them I placed a bag of sno the frozen parts and then applied seed oil several times.'
There has been an encouraging de velopment in the growing of better
horses in Kansas in the last few years due largely to the stallion registry law due largely to the stallion
and to better feeding.

There is a big future for motor ex press routes in Kansas; they are prof farme both for the owner and for the farmers who are his patrons.

## Finge <br> CALVES RAISED: AND VEALED ON sECURITY FOOD

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## Sick Baby Chicks?

and thate 1s to to keep them woill. Doctoring a hurk dred or more ehicks is mighty discouraging work It'' pure careleespness to lose more than 10 pet

ent of chick, from hatching to full growth. Miny eent of chicke, from hatching to full growth. May
lose 40 per cent to 60 per cent, and oven more. $\mathbb{X o}$ lose
protit tn that.
our book,
ackare of Germore of Baby Chicks" (free) and WITH BABY CHICKS YOU MUST PREVE



 Were a mighty discouraged pair. Every day ind to Germozone and weare now sure if we had he GERMOZONE is 8 wonder workep cats, dogs, rabbits or other pet or dome tlimesbetter It is used most extensive sore head, eoreres, wounds, loss of fur or
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OVERALLS




## With the Capper Calf Club

Filipinos Know Good Thing When They See It<br>BY EARLE H. WHITMAN Clab Manager

HAVE you ever stopped to think town Saturday to get them. They how widely the Capper clubs are hadn't come, tho. Sunday morning I known? Have you ever realized telephoned to the express office, but that not ony ail over the and and couldn't get a reply. About 4 o'clock folks know about our club work? The calves were there. We started out in other day a letter reached the club the rain, then the rain stopped for a manager from a boy away out in the while. On the way home, tho, it started Philippine Islands. "An American again. We got home at last, and I hoy: you ask. No, indeed, he was a certainly am proud of the calves. I'll Filipino, and his name was Diego send a picture of them as soon as pos-
Jurisprudencia. Isn't that an odd one? sible." Jurisprudencia. Isn't that an odd one? s
Weil. this chap was a mighty intelliWell. this chap was a mighty intelli- Speaking about pictures, what's the gent boy, and he wrote his application matter with calf club members? The for membership in the Capper clubs one boy who has entered Ayrshires alon a typewriter, more neatly and using ready has had a picture in the club
much better English than I have read news, but where are the supporters of much better English than I have read news, but where are the supporters of
ou some applications from Kansas other breeds? Lots of black and white ou some applications from Kansas other breeds? Lots of black and white
boys. Doesn't that make you feel that calves in the contest; let's see what boys. Doesn't that make you fee that calves in the contest; let's see what
we should all be more careful about they and their owners look like. And we should all be more careful about they and their owners look like. And making use of our advantages, when a while we're talking about Amos Bazil
boy away off in another part of the and his Ayrshire entry, I must tell you boy away off in another part of the and his Ayrshire entry, I must tell you
world has made such good use of his the bad news. Amos has lost one of time? No, Diego couldn't be accepted those fine calves I showed you a couple as a member of our club, but I re- of weeks ago. Tell you what, it almost gretted very much that I couldn't enoll him.

Joint Meetings are Fun
Good times already are beginning
for Capper Calf club members. I have for Capper Calf club members. I have purposely delayed appointing county leaders until after the time for calves to be entered, but the lucky members will be chosen soon, and then the calf lub will feel as if it is represented when all the Capper clubs get together for county meetíngs. "The Capper clubs held an all-day meeting at our pluce the other day," writes Clyde Barof Dickinson county. "All of the with of the different clubs were with the exception of one calf club wer." Linn county calf club memwre meeting, also. "Nothing like out, even if our leader has not
appointed," says Hazel Horton. appointed," says Hazel Horton. not mean a regular meeting, but attend the other meetings, any-
we can just get off to one side we can just get off to one side all right, and I'm sure that soon club members will be making resence known at meetings, even pig and poultry club boys and do outnumber them. In Linn especially I'm sure of this, for Horton is the girl who led the club team of that county to in the fight for the trophy cup
meetings are just the thing, but e should be observed, which is ss sessions so as to keep each rganization distinct from the George Roberts, Jr, meetings," "but I think each club shonid meeting once in a while to talk latters of interest only to memthat club.'
Here's a Girl with Pep
$g$ in close touch with my club rs is a genuine pleasure. I am ted in all their work, so you may I enjoyed this good letter from oing to tell you Buther county a farm 11 miles from arm contains 360 acres, with some r and running water, wiso some Father has a great many sheep are very profitable. We also large herd of Red Polled cattle her is going to supply the calves to enter in the contest. I am sorry we haven't a calf club in ounty, because I surely would like to the club meetings. I tried to ore club members, but very few interested. I am very eager to work. Father will have my ancinions built soon. I joined the lub last year, but was ill with Hork and didn't get to finish the I like the calf club better, and also is more interested.
लather" Joln Meen having "pesky" connty thought so when he went to rifilay to get his calves. "I got a card Thmorlay," says Johu, "so I shipped

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## Dairymen replied Amen

Modern Dairy Equipment Will Prove Profitable BY JOHN w. WILKINSON

S
ANITARY milk is the only kind of
Cows should be kept free of all milk that is safe and fit to use. dust, dirt and loose hair. Their bod healthy cows, produced and handled day. From 5 to 10 minutes before under conditions in which contamina- cow is milked her udder and flan tion from filth, bad odors and bacteria should be carefully washed with clean is reduced to a minimum. There is ab- tepid water. This may be done with, solutely no excuse for the filthy sur- clean sponge or sterilized cloth. Th roundings often found in some barns treatment will prevent the dislodgmet and dairy plants.

Among the conditions necessary for of any dust or loose hair at milkith the production of sanitary milk may for time. The milker also should see thas mentioned the following: Healthy cows, body is scrupulously clean before mill sanitary barns, clean feed lots, clean ing is attempted. cows, clean milkers and clean milking Clothes worn during the day ofter mach vessels ; clean wails, strainers and catch a great deal of dust and germ pure water; well lighted, and properly milker should have a clean, white milh ventilated barns; comfortable stalls ing suit that should be worn at milik and clean bedding; sanitary milk ing time. All utensils used in the room; and thoro cooling of the milk handling of milk should be made d after the milking has been done.

Healthy cows always will be the first good tin and should be made al equisite in the production of sanitary strictly sanitary lines. Specially cos milk. All animals affected with tary structed sanitary milk pails with part gerons and contagious diseases should devices tops and sanitary strainig be excluded from the herd. Cows that micro-organisms that otherwise


The Motor Truck Has Shown Itself a Valuable Part of the Equipment Every Dairy Farm. It Saves Much Time, Labor and Money.
have tuberculosis will transmit this dis- drop into the pail during the milking. ease thru their milk to human beings All the milking utensils shoutd be and all animals that consume such kept sterile in every way possible. The milk. For this reason it is not safe should be rinsed thoroly with wara to buy any dairy cow until she has water and then should be sernhed free from tuberculosis. Veterinarians taining a small amount of sai sod of the United States Bureau of Animal This should be done with a washim Industry will be found in every state brush having good stiff bristles. who will give advice and assistance to the vessels should be sterilized wit those desiring to have the tuberculi-s steam or rinsed out with scalding test made.
The construction of sanitary dairy in a place free from dust. Gre barns has been discussed many times also must be exercised in straini already in the columns of this paper. milk. A good straiuer consists not properly lighted and thoroly ven- of absorbent cotton between the not properly lighted and thoroly ren- pieces of cheese cloth.
tilated. The barn floors, stalls, and pien tilated. The barn foors, stalls, and pieces of cheese cloth.
gutters, and tronghs should be built Cows must be kept supplied with of concrete. The floors should be clean, pure water and with clean wis cleaned thoroly every day and the walls some feeds. The dirty water of and ceilings should be kept free from ponds and stagnant streams i dust and cobwebs.
The feed lot should be well drained and kept as clean as possible. Gravel, sand and cinders mixed in the right wroportions and scattered over the lot to overcome the mud nuisance ot in wet weather. Cows when they have

This is an Inside View of a Large Dairy Barn in Which Concrete Floors ail Sanitary Modern Equipment Have Been Installed to Good Advantage.
wheat pastures also give a peculiar col- placed high, fresh air is provided the and flavor to the milk when the cow irst permitted to graze on them.
milk house and the refrigerator in in the milk is kept should be kept from odors that might be absorbed he milk and give it a disagreeable The milk should be cooled as $y$ as possible after it is drawn. ing quality of the milk to a the There are a number of types oolers and cooling devices on the et that have proved quite satisAmong these might be mend the corrugated cooler, the tubu-
ooler, and the cone-shaped coler ooler, and the cone-shaped cooler. e should be taken to keep the milk lean and sanitary condition while hering taken to market. In warm ime required to transport the milk the dairy farm to the city the milk ish the chances of its getting too while on the trip. By having the properly handled and promptly red there is no reason why it not reach the prospective cusin the city in good condition. observing these simple precauit will be an easy matter to proalutary milk that may be used
of any one. Better laws rigidiy enforced with freinspections will help to force nen to prodnce nothing but saniaik. A thoro system of grading oring and publishing the ratings ions dairy plants will also have a salutary effect in compelling hen to produce clean and sanient will prove a good investment lairy farm.
Stables for Dairy Cows

## c. o. LEvine

dairy cow, unlike the fattening hat is protected by layers of fat, to be comfortably housed, if she produce her maximum.
loss of energy in the form of rom exposure to cold, especially
snow in winter and cold rains spring or fall, is often rains spring or fall, is often greater the amount of energy required ons. The cow al under normal than the cow also drinks more than the fattening steer, and
the is compelld to drink it ice ir nearly so, it requires a large nearly so, it requires a large
cows during the day when they are
standing, rather than fresh air is likely to be needed when Foul air is heavier needed most. dottles to the floor at resh air and settles to the floor at night when turbed by opening and closing of dis If the foul air ventilasis of doors 2 or 3 feet above the bottom place wall, as they are in most barns the are above the foulest layers of air and the cows are compelled to breathe impure air below the foul sir fines thruout the night while they are lying

The King system of ventilation whic has met with such popular favor, good, if the foul air ventilators are placed down within 12 inches of the

A yard should be provided for the milk cows in which they can be turned out for exercise at least once a day weather whe most severe winter their rough fed the cows get most of rack in the yard, the rack should be placed in a sheltered place, and be proided with a roof to shelter them from cold rains while eating at the rack.

## Foreign Dairy Products

Dairy market reports in the hands of the Bureau of Markets of the Deing to dairy production interests disquietC. Potts, specialist in marketing Roy products, announces importing dairy nish and Holland made butter amount ing to 5 or 6 million pounds affecting domestic markets as far inland os Chicago, imports of condensed milk from Australia and New Zealand, and a large alling off in exports of condensed milk. The market reports also show mounting stocks of condensed and evaporated milk, with neither domestic nor foreign outlet equal to production. This showing at this period of the season is viewed with alarm.

## Shorthorn Meeting and Sale

The Shorthorn breeders of Kansas ill hold a meeting in connection with he association sale to be held at the Kansas State Agricultural college in the list Kan., May 26. Included W. M. Jardine and Dr are President Campbell of the college and Secretary


Dairy Barn Should Not be Toa Warm But It Shonld be Comfortable.
emperature. All body heat or Harding and W. A. Cochel special rep must come from the feed the resentative of the American Shorthorn , and a certain amount of sav- Breeders association. The day's acheat or energy means just that ess expense for feed.
untries with long, cold winters, portance of housing for dairy generally well understood and prevail in regions where mild prevail that most losses from occur. This is because no
n is made for quite severe winoccur at intervals.
the dairy barn should not be mor stuffy, it should be kept in the barn is If the temit the barn is kept above ith will be warm enough. A he double walls and windows t protection fide, should provide brotection from the cold. tter to have a cold ventilated. , than one that is foul and om poor ventilation. The dif"ith most ventilating systems the vents for the removal of from the building are placed in the wall. When they are


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ctober 7 miss the show this year-
Dairying is developing to an aging extent this year in Kansas
e tivities will begin at 8 A . M. with the judging of the sale cattle. The actual selling of the cattle will begin at 2 P. M. and immediately following the ile sale the heifers belonging to the The County Calf club will be sold. will be session of the association will be held that evening.

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## Feeds For Egg Production

Properly Balanced Rations Increase Poultry Profits
BY F. E. FO

T
HE ONE-GRAIN ration for poultry feeding has seen its best days. it has been said that wheat is probably as nearly balanced for egg grains and yet when a flock is fed on wheat alone, a hen only gets one-half nough protein to make an egg a day and there are three times as much carbohydrates and fat as is needed for that same egg so ta get enough protein she has to save up her food for two days and at the same time has accumulated six times as much carbonydrates der then that hens fed one grain or der, then, that hens red one grain or mash supplement with a high protein feed, frequently get over-fat. The present day poultryman supplies a variety of grains for the scratch feed and supplements this with a dry mash.

## Good Grain Combinations

Those grain feeds which have been found satisfactory for scratch grain are corn, wheat, oats, kafir and barley.
Corn has been considered too fattening or heating by many to be a good sumor heating by many to be a good sumbear this out. Careful temperature readings of fowls thru the hot summer months have been kept and corn has been found to be as desirable as other grains. However, fowls usually decrease in egg production at this season of the year and do not require much for maintaining the body temperatnre so do not need so much feed. They also get considerable feed upon the range. For these reasons a small amount of corn or any other grains should be given and the quantity of bulky feeds such as bran, ground oats and green feed increased
Wheat is a starchy food and the fowls like it. They will eat it quite readily. It is low in ash and fibre and when the price is reasonable it is one of the best poultry reeds that we tain a high percentage of protein and tain a hen more valuable than the plump starchy grains for poultry feeding.
Oats are high in hull which is largely crude fibre and indigestible. They are not very palatable unless hulled or are good as the soaking softens the hull. Heavy oats are desirable to add to the ration by the way of variety. Light oats for the reason of the excess hull, have very little value in have a stimulating effect. Horsemen like to feed them to horses to give life
and energy. Pep probably would be the present day slang for the effect ob very good for growing little chicks.

## Kafir and Corn

Kafir has about the same analysis as corn and is used to replace corn in It has a hard outer coating which is objectionable. After the chickens be come accustomed to kafir they will eat it quite readily and it gives quite
good results. In feeding value it is good results. In feeding value it about 10 per cent lower than corn.
Barley is higher in protein than corn, wheat or oats and is lower in crude fibre or hull than oats. Chickens do not like ily a the past it has had a high value for other purposes but had a high valy used for poultry feeding work.
Rye is used but little for poultry Rye is used but little for poultry
feeding. It is not palatable and chickens do not like it tho from the point of its analysis it would seem that it ought to be a good feed.
Cane seed is not eaten readily by chickens nor does it usually give the best results. In a good many localitie it is fed because they have it on hand and other grains are high and hard to procure. From the 'point of egg production the gra
better results
better results.
Millet is sometimes used but because of the small size of the seed it has found more favor as a chick feed than for laying hens. Buckwheat is not
relished by fowls and very little of it used altho a good many commercial scratch
ture.

In addition to a mixture of several f these grains a mash should be fed. This is composed of ground feeds and migh pyproducts which contain the for egg production. The mash is pref erably fed dry in a box or hopper and should be available to the birds at all times. These mash feeds include bran, shorts, cornmeal, meat scraps, tank age, ground oats and occasionally al ralfa meal, oil meal or cotton seed manufacturers have is to get the feed tryman to feed is to get the poul tryman to feed a mash to sup bird has a sizzard for grinding feed so should be fed some whole or cracked grains but under the strain of heavy egg production she cannot get feed fast enough this way so some of it should be fed in the ground state making it quickly digestible.

It is desirable to give a grain feed onger as it stays with the fowls so lik than a mash and they are not ing. quite objet mash in the morning off the their fill hoost hungry and gobble ul around the rest of the masning and sil they do not get the necessory exer cise that they should. Furthermore the stronger birds crowd away th weaker and get most of the feed. Fo is desirable. They can eat on the mas at a time and then have to get a drink to wash it down so that at some time during the day all the flock gets chance at the feed hopper. Of the mash feeds bran should be the basi. and always included. It is bulky, act. as a laxative and holds the particle apart in the digestive tract, giving the digestive juices a chance to act. It i high in ash or mineral and one of Sest poultry feeds that we have. Shorts or middlings contain more are high in the wher heavy or pasty to be fed alone. They should be included in the dry masil along with bran. Cornmeal or the siftings from ground corn or corn chop will prove very palatable.

Tankage is Valuable
Meat scraps and high grade tank age are high in protein as muscle lean meat particles of food. This Mecessary for heavy egg production but wontains so much water that it is doubtful whether fowls under henv egg production could consume enou to supply their needs. Alfalfa meal supplies succulence, green feed and health builders known as vitamines If fowls are out upon free range the would not need this except possihly during the most severe winter monthis when the birds are unable to get on and rustle any green feed.
Oil meal is laxative, cooling to the eed. It comes from is a high protelin so is a vegetable protein and not is aluable, therefore, as the meat scral tankage or milk which are animal pro eins. It is lower in price than other proteins, however, and may ased to supplement them and the cost of the ration with very over 10 per cent of poultrymen pref over 10 per cent of oil meal
ration. Cotton seed meal is table protein but is prot well a able protein but is wot well liked ent, at least in the North $A$ smal percentare of cotton seed been used by the government upon poultry farm at Beltsville, Md., and has given fairly good results.
The balance of the ration should in lude green feeds such as sprouted ure green alfalfa, wheat or ryc prot mangels or cabbage. These Vhen the feeds and health buidd susceptible to disease. Milk, pref sour, tho not a green feed is less the birds or productive feed. farm or have access to broken pla it will be necessary to supply nere form. Oyster shell is the veniently at a comparatively low cos

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COOK STRAIN PURE $\underset{\text { Orpington }}{\text { BRED }}$ S. S . C. $\underset{\$ 100}{\text { BUFF }}$


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BEAUTILITY" SILVER WYANDOT
Eggs, $15, \$ 3 ; 100, \$ 10 . \quad$ Mrs. Edwin
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RUALITY ROSE COMB WHITE WI W

## The Livestock Markets

BY SAMUEL SOSLAND

K NSAS stockmen met at Kansa y to current and prospective livestock. The meeting, which the board of governors of the Livestock association and repives of the Kansas Citf and
livestock exchanges, ignored livestock exchanges, ignored
sportation situation, discussing extreme difficulty being ex in obtaining loans on cattle emen at this meeting, includ-
James R. Plnmb James R. Plumb of the Kan-
iation, Pet Nation, vice-presiciation, Pet Nation, vice-presi-
the First National bank of on, Ed Root of Brookville, M hopeka and President E. Wer opeka and President E. W made it clear in their dis hat the lack of an adequate loans is holding the livestock in check.

## WYANDOTTES

YANDOTTE EGGS, 81.75 , $15 ; \$ 89$ OMB WHITE WYANDOTTE EGGS
food laying strain, $\$ 1.50 \quad 15 ; \$ 8100$, OM MY M BRED-TO-LAY WHITE
tes $\begin{aligned} & \text { M. } \\ & \text { ncordia, Kan. }\end{aligned}$ Krepaid; $\$ 7$ per 100 . S. 5"evemex ECTED WHITE WYANDOTTE
O5; fifty, $\$ 2.50$. Order from ad.
terman, Peabody, Kan. YANDOTTES, FAMOUS FOR $+= \pm=2$ บ. $2+=$ UWW:W2: TRAIN WHITE WYANDOTTE
cockerels.
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ITE HOLLAN, Sharon, Kan. JRBONRED TURKEY EGGS, ${ }^{55}$
Mrs. Grant Grifin, Ellsworth, 2mene
manm 2. 2 5wneman TH BRONZE
cents each. TVR-
Protection. SEVERAL VARIETIES.





## poultry wanted.



## 




## outtry supplies.



"I would not be surprised to see idle pastures in Kansas this summer on ac he grass he purchase of cattle," Pet Nation of Hutchinson declared, "It is not unasual to find owners of pastures in the sate who have no cattle on them because of a lack of loans. Some measures ought to be taken to assist the producers of this class. Kansas beef production may be cut short if condi-
President Houx of the
President Houx of the Kansas City livestock exchange declared that cattle loan companies and banks engaged in fewer loans on cattle the carrying fewer loans on cattle than a year ago,
but are making new loans in very few instances. He told of one stockman who gave up his first payment on a bunch of 300 cattle intended for grazing because of failure to raise a loan to make full payment.
After discussions along this line, the sociation adopted a resolution urging a cessation of lending on non-essentials and demanding that the Federal Reserve Board at Washington, which controls the Federal Reserve Banking System, arrange "a feasible plan by
which the livestock industry may be which the livestock industry may be
cared for in order that adequate meat cared for in order that adequate meat coming year by extending sufficient credit at reasonable rates of interest

## Cattle Loans Restricted

Among other declarations in the
resolution, the following was of interest: "At thellowing was of chief stock producers are unable to our livenecessary for the carrying of their cattle on grass and filling pastures where unable to rent. Heretofore these borrowers have readily obtained with without previous arrangements with their bankers, and thinking the same cond find upon asking for loans that they are unable to get same. And it is fully proximately $331 / 3$ per cent less than a year ago. which proves that the live loans or at all inflated,"
The foregoing statements are deserving of commendation. They not only trade in cattle-the supply of of the but bring out an encouraging fact by pointing out that fewer loans are outstanding on livestock than a year ago That many deals in cattle have al ready been held up by the lack of credit is generally reported in states other than Kansas. The demand on the Kansas. City market for stockers and feeders has been affected to a degree. Naturally, as trading is are stopped for stopped. There is a strong demand it is being held back it is a curiout fact, however that the is a curious son the demand for stockers has been this strong and so wide that prices on far better than the quotations on finished grades going to packers.
Trade in cattle tast packers.
fect of the credit situation the efcontinuation of the strike of switch men. Offerings of South Texas grass thruout the month promise to be libera in the quarantine division of the Kansas City yards, repressed bullishness on all cattle. The South Texas steers dress out well partly because they are
shipped a long distance to the Kansas City yards. For this reason, they are attractive to the packers, who are get-
ting them largely at $\$ 9.75$ to $\$ 10.50$ Yearlings gained about 25 cents in the native cattle trade last week, while heavy steers were barely steady. Top
on yearlings was $\$ 14.50$. There was also a little improvement in the butcher cattle trade, with sales largely at $\$ 8$
to $\$ 10$ on cows. Veal calves slumped to $\$ 10$ on cows. Veal calves slumped only $\$ 12.50$. There was again some of port competition for live cattle. Stockors rose as much as 75 cents, owing to with prices quoted at $\$ 7.50$ to $\$ 11.50$.

The market would have been better if hog market is out of line with corn, the credit situation had not entered being on an unprofitable basis. enough from the viewpoint were high The improved railroad conditions ers. The breat in larger receipts of slfeep, as to the inauguration of the annual run of dairy calves at Chicago.

Hogs Advance 50 Cents
Slight imprövement in railroad shipping conditions to the East helped the hog market, bringing competition from small packers. As a result prices advanced about 50 cents, with a top of $\$ 14.65$ and bulk of sales at $\$ 13.75$ to $\$ 14.50$ at the close of the past week. Packers reported the sale of 45 million dollars of pork products to Germany thru credit arrangements, but it was lard that the transactions were on ind and meats arready held in store in Europe. . Stock and at $\$ 14$ to prices by the railroad situation, and $\$ 14.50$, with some sales up to $\$ 15$, with the tendency somewhat

## The Grain Market Report

## Y SANDERS SOSLAND

DELAAY in marketing wheat is no been holding wheat for higher prices are urged to dispose of their stocks as soon as possible. For the bread grain on the 1919-20 crop, the $\$ 3$-a-bushel level, the figure $I$ predicted would be reached rbefore the prediction was made at the time price had receded about 75 cents a bushel from the previous top to around $\$ 2.35$ in Kansas City. Of course, much of the wheat still held by Kansas farm ers has been kept out of markets because of the inability of railroads to supply equipment for loading. No
doubt, many farmers will be comdoubt, many farmers will be compelled to carry their stocks into the
new crop year. But strong efforts should be made to market wheat as

Another Wheat Advance Coming
The trade as a whole is not par that the railris on wheat, knowing permit of a heary movement before the close of the crop year. A further advance in prices to $\$ 3.25$ a bushel servers of the grain community are

## Urge Marketing of Wheat

Prices for wheat have again advanced to the $\$ 3$-level in Kansas City, but in view of the approach of the new crop year and probable rush of new wheat within 60 days, further advances are not generally expected. Farmers should market their stocks of wheat as rapidly as possible. The financial enthusiasm in the wheat bullish
forecasting possibly a $\$ 3.50$ mark in Kansas City. But there is as great a probability that prices will suffer a
severe setback. Very bullish statemeve setback. Very bullish statein both the domestic and world markets, have recently been made by inestigators or the United States Department of Agriculture, who are apwealing for an increased area in spring probable A bullish new crop market is prices either before or downturn in prices either before or during the Export buyers are pioviding the principal outlet for offerings of wheat. They have been the principal buyers the past 60 days, having continuously advanced bids in an effort to obtain supplies. It is to the interest of the export buyer to hold values down, and already much surprise is manifest in tained a very broad demand for long a period. But as soon as available ocean tonnage is filled, the foreigners will doubtless display less interest in the market, or at least hold off for a possible decline. This is quite often the case. Domestic millers are buying sparingly, but if they were not seriously restricted in their opera-
tions by the strike of switchmen, pur-
chases would be on a larger scale Demand for flour is improving and a period of active buying by bakers and crop year will the close of the old the past week-wheat witnessed. In cents a bushel wheat advanced 4 to 8 winter and 2 on dark hard and hard Premiums over the government basis ranged up to 83 cents a bushel.

## Corn is Erratic

Corn is following a very erratic course, the fluctuations indicating an unstable situation in the market. The strained credit situation is offsetting in a large measure the bullishness resulting from a very light movement to market and small visible stocks of the grain. There is little hope for any marked improvement in the movement of corn from the interior and, so far s the supply situation is concerned, the trade is not lacking in strength. But it is a question whether the financial horizon will wield sufficient pressure on markets to offset the effluctuations for some. The market fluctuations for some time in the fufactors surrounding contest between ply situation and the financial situation. It is argued financial situahas advanced about 50 cents already from the low point as a result bushel small movement to a result of the should be sufficient to discount which condition in the trade. Gains in the peculative market the arst in the amounted to 4 to 6 cents a bushel and carlots advanced 3 to 7 cents. Sales were made at a range of $\$ 1.65$ to

## Heavy Demand for Oats

The present level of prices for oats is the result of an actual shortage of the grain, and not merely a scarcity so far as available stocks are concerned, which to a great extent is the case in many months ago, and this figure will probably be maintained the remainder of the old crop year. In the past weer sales of white oats were made un to $\$ 1.071 / 2$ a bushel, the general market advancing 3 to 5 cents a bushel. For the first time in the history of the lative industry, quotations in the specuhis market reached the $\$ 1$ level May delive having been paid for the 4 to delvery following advances of sorbing cents. The South still is abother sections where tions are prog where planting operaare heavy buyers. Exporters are tak. ing 'considerable oats, also

## Cake and Meal Decline

Cottonseed cake and meal are in a very easy position. Prices are slowly cent protein able in Texas and Oklahoma aroun$\$ 59$ a ton, or about $\$ 65$ in Kansas end surrounding feeding states. A cline to $\$ 50$ a ton at crushing points would not be a surprising development. Mills are holding fairly large quantities of cake and meal considerably more than normal for this season of the year, but they are not pressing stocks on the market, fearing qupid
downturn. Feeders are buying very
(Continued on Page 44.)

Real Estate Market Place
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FREE-All about the Ozark count
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## Cool Weather Helps Wheat

## Good Rains Visit Every Part of the State by John w. wilkinson

Cool weather has prevailed durhas fallen in practically part of the state. While the cool has been hard on most of the crops it has been favorable for rye, and barley. No serious
is anticipated now from the fly and a fairly good crop of is expected. The wheat fields Vestern limits of the wheat growections of Colorado are reported Mohler, secretary of the state rt says: "Corn is very back-

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## 


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ward, very little planting as yet hav
ing been done in the northern border counties and it has only started in the central counties of the state. In the southeast from 50 to 90 per cent of the corn ground has been planted, the south central counties. In this section some of the sorghums are in the
ground, possibly aggregating 20 or 25 per cent of the acreage which will be devoted to these crops there. In the
southwest very little work has been accomplished as yet owing to the dry
"Potatoes in the Ka
especially the the Kaw Valley section, especially the eastern part, as in Douglas and Johnson counties, were damof April 27. The weather has been too
cool for best cool for best growth of this crop as yet. backward but the past week has very backward but the past week has seen
some improvement over the week before. The plants are in good condition, show gratifying progress. Pastures are
starting up nicely but very little stock starting up nicely but very little stock Fruit Prospects are Poor "Sugar beets are being planted in the Arkansas Valley, especially Finney
county, where 25 or 30 per cent are now planted. Fruit prospects are no
better than a week ago, cold weather holding back fruit buds. Light frosts occurred during the week but probably caused little damage.
tically all sections of the state in pracgeneral opinion is that it is plowing and working down better than in many years preceding: In the northeastern recent rains, while in the southwest good rains are badly needed in order
to start the spring work satisfactorily." Local conditions of crops and the progress of farm work are shown in
the following reports from our county crop correspondents :

land was damaged by the freeze.-Alfred
Cole, May \&.
Barber-An excellent rain fell Apry 25
and 26, and prospets are more encouraging.
Perhaps 5 .


Ford-Weather is unsettled and cold, and
we had a good rain Aprll 23, The weather
has been favorable for wheat. The oats and
barley are dolng very well. Fare Farmers are
planting oorn. Pastures are getting green,
and a few farmers are pasturing wheat.
John Zurbuchen, Aprif 30.
Gove and Sheridan-The rain of April 24
"









## To Destroy Pocket Gophers

Thru experiments at the Kansas State Agricultural college it has been successful the most practicable and gophers is by poisoning. It also has been lound that the best time to poison them is during the fall after the first heavy frost until the ground freezes. ing is time the pocket gopher is storthe bait mor the winter and takes the bait more readily than at any other time. The Kansas State Agricultural college has formulated a poisoned oats bait which has proved very successful and it will be supplied a $\}$
cost to persons wishing to use it
By buying all the ingredients at wholesale we are able to manufacture the bait cheaper than it could be prevared in small quantities by indigiven to any one whe dormula will be given to any one who desires it. The is to find the runs around the mounds by means of a probe can be used to good advantage When the run is found the probe will Wreat thru the soil. This small hole should then be enlarged by thrusting a broom handle into it. Care should be taken not to thrust the large probe far enough runwaye a hole in the bottom of the and not as the bait, would fall into this the hole has been enlarged in this way a teaspoonful of the poisoned oats should be poured in and the hole closed pocket-gopher may throw up several mounds above its many-branched runway, and every system should be baited in at least two places.
The best time to distribute the poison is whea the ground is in good condition for plowing. After a field has been gone over all the mounds should be leveled and any new mounds of individuals missed the first time should be baited. It may be necessary to trap a few old "wise" gophers that refuse to take the bait. To get the best results a farmer should encourage his neighbors to free their fields of gophers, which if allowed to remain would be a constant source of rein-
festation.
The poisoned oats are put up in the following sized packages, which will be 4 quarts, 90 cents : 8 quarts, 60 cents, quarts $\$ 3.25$ and 32 quarts, $\$ 1.70$; 16 quart will make about 50 baits $\$ 6.40$. For prompt service
For prompt service send orders with
remittance to Frederick L. Hisaw, a remittance to Frederick L. Hisaw,
zoology department. Kansas State Ag-

| ORION CHERRY KING <br> Big husky spring yearlings, their dams by Potentate and John's Colonel Orion. Also fall boars by our herd boar, Pretty Valley Redeemer, that are real proapects. If you want the top blood of the breed at farmers' prices, write us today for degeription, VALLEY FARM, GYPGUM, KANSAS Ross M. Peek, Prop. |
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 Gits Practically All Sold

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Prince Tip Top, Grand Champion of Kansas, Heads My Herd

CAESTER WHITES
REGISTERED O. I. C. HOGS

## O. I. C. PIGS

O. I. C. PIGIS
O. I. C. PIGS

Grain Market Repert
sparingly. Linseed cake and meal also is easy. After a steady downturn from above $\$ 80$ a ton at Minneapolis, the rrincipal crushing point, to about $\$ 64$ he market teboroximately ses Binc porters, normally the important buy ing element, are taking little linseed and cottonseed feed, nor is this de mand expected to develop soon.

Bran and Shorts
Demand is not pronounced in the bran and shorts trade, but scarcity of offerings is maintaining prices at cur-
rent extraordinary levels. Were mills ant extraordinary fevels. which would howed to operate freely, which would rail switchmen's strike, the market for millfeed would not be maintained: in fact a slump of $\$ 10$ a ton before the close of the crop year is a common prediction in trade circles. For the present, however, the bulls have the 553 a ton and gray shorts are selling up to $\$ 60$ a ton. Deferred deliveries are sharply discounted.
slight easing in the rail situation nd eagerness to fill movement of hay, cumulated during the complete halt in the trade resulting from the strike, are
forcing prices up slightly. Advances amounted to around $\$ 2$ a ton on alfalfa, and tame hay and prairie displayed a very strong tone. But it is believed this is only temporary strength. It is too close to the period for new crop offerings to permit any lengthy time. The use of pastures also is cutting down demand. Alfalfa is selling at a range of $\$ 17$ to $\$ 36$, tim-
othy at $\$ 25.50$ to $\$ 36$ and prairie at othy at $\$ 2$.
$\$ 25$.

## Feeders Meet at Lincoln

more a pound. The silage fed to lots 2 to 5 inclusive was fed in large quanperiment the beginning of the exday period. During the last 40 days feed of grain. During the first 120 days only a medium feed of grain was red to these four lots. Lot 3 fed a little more than 4 pounds of alfalfa corn, silage, and alfaifa, made the least loss a head and likewise the most pork a head. The silage fed in lot 2
when compared with the ration used in lot 1 returned a valuation of $\$ 9$,
altho it was only charged in the feeding test at $\$ 8$ a ton. The hominy feed efficient as corn. A year ago the eattle in lot 5 fed an identical ration feed proved to be rather more efficient than corn.
The results of these experiments cannot hope to make any cattlemen of their feeding operations until conditions change for the better. In fact even. The experiments also show that any ration used must contain a lib eral amount of suage in order to
sure economical gains. This means that every feeder must be well sup-
plied with silos and that they must be filled as often as possible. If the still would not be enough of them to meet the demands.
The demands on the Fort Hays Ex pniment station ior seedingse plant ing in Western Kansas

Public Sales of Livestock
 Angus Cattle. Ct. 16 - Boys Calt Club. Mrfingham, Kan.
Frank Andrews, Mgr., Muscotah, Kan. shorthorn Catile.






 May 12 Hereford Cattlo. Sam Drybread, Elik City, Kan,
Poland China Hoza,

Oet. ${ }^{15}$ Ino. Cu Co Slersey Hogs.

 Ohester White Hogs.
July 27-Arthur Mosse \& Daughter, LeavenWot. 21 K. Kan. Harvey, Maryville, Mo. May ${ }^{20-L . C .}$ Lauterbach, $\mathbf{P}$

## sale Reports <br> Behrent's Hereford-Poland Sale    <br>  get is always in demand. This was the reg- ular nannual spring sale and it will be re- <br> N. W. Kansas <br> females averaged...................... 8234.50 bulls averaged................. <br> The Northwest Kansas Shorthorn Breed- ors' association's annual spring sale was held at concordia last Wednesday and one <br> attencance that was favored a Shorthorn sale in centra Kansas since the association sale last November at the same place. The banquet the evening pero <br>  <br> 

HORSES AND JACK STOCK
3 PERCHERON STALLIONS-3 bwo year olds. Two by Farfalt and one
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sound and good breeders. Priced to move.
Photographs and coples of pedigrees fur-
nished on request.
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| PERCHERONS AND SHORTHORNS <br> Some extra good stallions and mares. Meknes 106640 (106084) in service. Village Knight 1898231 herd header. Stock for sale. <br> EWING BROS. <br> 1438 12th St., Great Bend, Kansas R. 1. Pawnee Zook, Kansas |
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some of the purchasers and the name ane
paid and their postoffice and the an
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Field Notes
BY JOHN w. JOHNSON Kanthur who will \& Daughter, Leavenworth,
 The map in the Chester that whill pame put you on
too farly write no
todvertisement. T.S. Shaw, Glade, Kan., Phillips county,
is the well known breeder of Polled Short-
harng that advertises frequently in the Kan-
sas Farmer and Mait and Breeze. He is
starting his advertisement agaln in this

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## Hereford Bulls For Sale

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40 head sired by Bean Gaston 366153 by Bean President and Sir Dover 540942 by Beau Dover. 20 of these bulis are from 24 to 30 months old, the other 20 from 16 to 22 months. These bulls are in nice condition, have extra heavy bone; short broad heads and drooping horns; good dark animals. Have also two extra good herd bulls for car loads or single
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200 EWES AND LAMBS
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50 COWS-Imported and American Bred-10 BULLS<br>CONSIGNED BY

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bulls of following ages: Eight junior yearlings, one three year-old, one four-year-old. cattle that have been raised right, and cattle that will be a valuable addition to anyone's herd.
The annual meeting of the Kansas Shorthorn Breeders Association will be held in connection with this sale and the sale cattle will be shown and judged during the forenoon of sale day. This sale is being visitors to attend the sale and enjoy Commencement festivities at the same tim

C. W. MeCampbell, Mgr., Manhattan, Kan.

## GLENWOOD FARMS

## 12th Annual Shorthorn Sale

Chiles, Kansas, Tuesday, June 1, 1920



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