# Be Cold Blooded When You Choose Your Truck -and Choose Now 

## As a business farmer, you must have a truck. Don't postpone decision longer. Buy now while you still can get one. Don't wait until only the money-wasting makeshifts are left.

Be just as coldblooded as a traffic expert is in selecting the right truck. Base your choice on the same considerations as he does and you will be right.

This is the way the traffic expert would look on your trucking problem:

1. Horse Service-Always unreliable, limiting your scope and delaying you unexpectedly. Under present conditions growing more costly than ever.
2. Miniature Truck- $3 / 4$-ton; too small for practical conditions, or for your ever-increasing traffic. Costs just as much to run as a good one-ton truck.
3. Passenger Car-Adapted into a truck by a makeshift attach. ment made by a firm that did not make the car. Sure to breed trouble. Hard to keep in condition. Hard to find and cure trouble. Divided responsibility.
4. 3-Ton Truck-Over-heavy for everyday work. Wasteful unless always used at full load.
5. Unproved 1-Ton Trucks-Partly experimental. Not made of highest grade steel. Over-heavy. Uncertain as to service. Costly to operate:
6. Standardized, Time-Tested Maxwell One-Ton Worm-Dinn Truck. Low first cost. Low operating cost. Complete trud designed wholly as a truck. Made of high-grade automobile steels. An engine which has proved its reliability in years of use on hundreds of thousands of cars under all possible con ditions. Worm drive of the same type as on trucks costing $\mathbf{5 , 0 0 0}$. Completely enclosed drive, safe against derange ment by the worst roads or worst weather.

Get the facts. Write us a letter. The more coldblooded your judgment in choosing your truck, the better we will be pleased.

The new and coming conditions are changing the whole of the transportation experts' judgment as to what truck is most economical in operating costs as well as in first costs.
If you decide in time, you can still get one of these trucks of proved reliability and $\mathbf{1 0 0}$ per cent. efficiency; cash or easy terms.

There is a Maxwell dealer near you. But we have some new information that we want to send you direct. Send us a postal card today.

One-Ton Chassis, \$1085; Chassis with Cab ard Windshield, \$1125; Combination Box
Body, \$1135; Combination Box Stake Body with Cab and Windshield, \$1175; Stake Gate Body with Cab and Windshield, \$1180;

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## Maxwell Motor Sales Corporation Detroit <br> Michigan

# THE FARMERS MAIL AND BREEZE 

# Machinery Aids in Increasing Yields 

## Kansas Farming is Coming to Depend More and More on Efficient Implements Which Have Been Designed With Care

FARM MACHINERY is going to work some mighty fast changes in Kansas agricuitừe this year and in the next few seasons.
was the big lesson, as I take it, This was the big lesson, as I take it, at the Kansas City and wichita tractor shows, and from the talk one can
hear every time he is with a group of hear every time he is with a group of
farmers. Production must be placed firmers. Production must be placea
on in new basis, and machinery will
ond oin an alw basis, and ma
tike il large place in this.
Problably the most encouraging thing in turming has been the great increase in criciency with all classes of ma-
cliums in the last few years. If this chines in the last few years. If this
wrer not true agriculture would be be :" "dickens of a fix" today. And it in an wht time that we should realize
is
the tirit value of machinery in making the high value of machinery in making measurement, possible. In $1 \times ; 0$ it took on an average 3 hours of a man's labor to produce a bushel of wheat: now it is said that it requires loss tham 10 minutes. Tractors are reincing this time every year. High Prices for Food.
it certainly is important that time reaured for production

 in in an adress before the farmers ittended the tractor show at ita. "in the present high price of tuffs that we are facing another of starvation such as this nain the days of hand tools which the American farmer able to produce much more han enough to feed his own fam possibility is remote but not impossible, for there has been mall increase in the world' production in recent years, py a- heavy and steady inpopulation and an increase mantity of food eaten by every of foods have had a steady, increase since the over-pro-
period ended in 1897 . The $n$ war is a contributing factor responsible for them is not ing of peace and a resumption ing of peace in the world's popula it really has stopped during -we can expect the high if foodstuffs to continue. person in the United States bushels of wheat a year, and a consumes an average of a half meat a year. Under the new of farming fewer persons are on the farms to produce a livthe world than formerly and lume persons are engaged in non-prothetive occupations and live in town. For' example, a century ago more than
libu-tenths of the people of the United States lived the people of the United reoly dependent on agriculture for a living. In 1910 about one-third of the wople were engaged in agricultural borted a family Formerly a farm supborted a family and produced a small suplus to supply the needs of the few
persons who lived in town. Today the farmons who lived in town. Today the ind export required to meet domestic alone require every farm to suppport

By F. B. Nichols, Associate Editor

wo Ways of Transportation; Machinery Is Developing in Efficiency Every號
three families-the one that lives on to keep informed fully of the progress the farm and tills its fields and two that is being made in improving farm that are living in town. And soon machinery. You can get this informaevery farm w
In other words the labor shortage In other words, the labor shortage is a permanent feature of American
agriculture. It will of course be espegriculture. It will of course be especially acute in the next year or two or
three, during the great world war, but it also will be great for many years fter it closes. More and more the dependence must be placed on machinery Steel and iron and wood instead of human muscles must carry the load.
It will be better thus. This condi It will be better thus. This condithe intelligent farmer who is alive to the intelligent farmer who is alive to profit most of all. It places farming more and more in the skilled professions, and skill is always well paid for. Naturally it is only the man who is alive to the changes which are going on around him wh
from this condition.
What should a man do to keep alive
o the situation? There are two main line
fundamentals I believe. The first is The second important thing is to get


Portable Pulver Will Produce Ground Limestone for Acid Land Cheaply and Effectively, and Make Larger Crops Possible.
a betterghead $\%$ actual result which Qirmers are thing with ma-
ching $50^{\circ}$ under pur co Jitions. There is etough avesable $m$ mechanical knofgedge in Severy cent in Kansas if it were alkassemble to completer change our methods $\%$ This rich fund Many experienty has veen are doing conMany county agens are dorable god in making it available It will pay mighty well to find out It will pay mighty well to find out what your neighbors are ding machinery more generally-Bilt Jones, for example, may be a "nut" on some things of a mechanical nature, but if he has a lot better results in cultivating corn or kafir it will pay to find out how he does it.

It will be very interesting to see how some of the farm machinery movements of today "turn out." For example, take the increase in the numdo the threshing on just a few farms. Several hundred of these little outfits were purchased last year in the Middle West, and it is probable that the number will be very large this year. They were featured in the exhibits at the Wichita show, and they got the interest of the crowds.

A Small Separator.
"A small threshing machine for most farmers is likely to become a rufe just as fast as the farmers buy tractors," Mr. MeVey said in his address. "Many of the tractor distributors are selling a small separator in connection with in helping to soll the find multiply the-uses of farm power with every individual farmer. More small threshers would have been sold here tofore had the farmers had the power to run them. With the tractor this power is supplied. Unfavorable weather for threshing comes with most seasons, and when a farmer must delay threshing after the grain is ready loss is almost sure to occur, unless one is at the front end of the big threshing man's schedule. And then unfortunately after the machine does come the man in charge sometimes operates with the idea or getting the greatest amo of straw thru the machine in a day that goes into the straw pile When that goes owns his own complete threshing outfit this is under his own threshin He can thresh his grain any time and carefully."

There is a fine opportunity in the extension in the use of irrigation on a small scale by the use of the tractor and a centrifugal pump. The extra equipment needed for pumping water out of the streams in Eastern Kansas after one owns the tractor is not great. One-hatf of Japan's farming land is greater than in any part of our grain belt. A single acre there is made to produce, by two and three crops, $\$ 160$ worth of products a year. Of course, the farmers there fertilize, but that is not impossible with us. It seems visionary to speak of irrigation for our great fields of the grain belt, yet no more so than cutting 25 acres a day or plowing 10 or 12 would have seemed to the farmer of the ' 40 's. Small (Continued on Page 37)


## Passing Comment-By T.A.McNeal

## Farmers are Loyal

There is really little or no occasion for saying that the farmers are loyal. It ought to be taken pression has gone out iur some parts of the country that the farmers are slackers and indifferent concerming whether the war is prosecuted vigorously. 1 have addressed a good many meetings during tast fall and this winter and I have taken pains to find out what the sentiment really is among the farmers. I have discovered that they are as enthusiastically loyal as the people of any other class Ihe United stales. have some cause for have some cause for grievance. They are not obprice of wheat, but they ao feel that the regulation should have fone clear along the line The price of corn, flour and mill feeds shonld have been as effectually regulated as the price of wheat. The price of corn should have been kept down so it would be profitable to feed it to 15 -cent hogs. They cannot understand, and neither can $\mathbf{I}$, why
bere should be such an enormous differe there should be such an enormous difference between the price of hides and the price of leather nd shoes.
They have discovered that there is a joker in the regulation of the price of feed stuffs. There seens to be no relation between the price of wheat naturally would like to know why. Furthermore, they have the best right in the world to know why, But so far as being loyal is concerned I have heard but one sentiment among the farmers and that is a determination to support the government heartily.

## Bad for Democracy

The utter fall-down of the leaders in Russia is remendously unfortunate in more ways than one. Russia quit right in the midde of the game and give Germany advantage and greatly prolong the war, but to my mind the most miortunate thing shout the Bolsheviki faillure is the effect it will have on democracy. Here is a practical demonstration of radicalism which has paralyzed in-
dustry in Russia and left it a helpless prey to the dustry in Russia and left it a helpless prey to the
Gerrian invader. One of the bopes the world has German invader. One of the hopes the world has
induiged in, myself among the rest, has heen that induiged in, myself among the rest, has heen that
the Enssian revolution would cause discontent among the German masses and finally cause them to dverthrow their antocratic government. But
now the German troops are marching tor country utteris disorganized by supposed democrutie rule. They find industries destroyed, the railread service the worst in the world-bar none -the people starving amid plenty and a government as tyrannical and autocratic as it has the power and ability to be
I very much fear that instead of stimulating the
German soldier to a decine for German soldier to a desire for democracy in place of antocracy he will say that if this is democratic love te to the saiser of it and will go back more loyal to the kaiser and militarism than be ever
was before. All this plays into the hands of the German It will give the German kaiser an excuse to do What he and his military advisers have wished to The bigh-handed tyrammical conduct oize Russia. Trotzky. leaders of the Bolsieviki. has heen the worst blow to demorracy that has been dealt since the war began. If Germany is permitted to get
absolute control of Russia and hold it, she will have gained a good part of what'she set out to accomplish. On the ruins of the overturned government of the czar she will build a German tmbe will not be unwelcome to coming of German classes in Russia. The people of those classes will prefer German order to Bolsheviki disorder and tyramy. . that it I had hoped that it would be different. I had banked a good deal on the establishment of an advanced republic in Russia. So far the experiment has failel. Left to themselves or with the friendly aid of enlightened demorratic governments like the
United States. the Russians would finally have
worked out a real republic, but the Bolsheviki goverument has not songht any aid or advice from the United states. We are not in a position to Germany is on the ge Russians were wiling. would get complete control before the allies can do anything to stop it.
There is a real danger that Germany will win thru Russia.

## Exposed Germany's Purpose

Along with the great possibility of evil resulting from the Russlan collapse and the German invasion, there is this mneh good to come. It has disclosed the purpose of the German government. If there was ever a doubt in the mind of anybody that the purpose of Germany has been conquest
from the very beginning, there is or ought to be from the very

## no doubt now.

If there still lingered in the mind of ang citizen of this country a belief that the men controlling the German government-and there is a growing beliding spirit of German militarim not the real ing instrument of the system-were really hin in the statement that Germany has been fighting a defensive war, that oninion must be shattered now. Everybody understands now that Germany in tends to keep whatever she has so far obtained, if she can. There is no longer any question of the
purpose of the German government to completely dominate Russia and also France, Belpium and
Italy, if it can. In only one way can it be disItaly, if it can. In only one way can it be dis-
suaded from that purpose and that suaded from that purpose and that is by a great
defeat at the hands of the allies or by an uprising defeat at the hands of the allies or by an uprising
amons the people of Germany strong enough to among the people of Germany strong enough to
overthrow the government. There is not much hope for that unless the unrest spreads to the hope for that unless the umrest spreads to the
army. That there is unrest and wide-spread discontent in Germany there is little donbt, but unless that discontent spreads to the army it will not overthrow the government.
The complete subjection of Ruseia by Germany is serious. It means that within a few months Germany will begin to get food which the German people need badly, and the hope that hunger will
compel Germany to make peace will have to he compel Germ
But in the end it will do Germany little good The sinister purpose of the German military power has been so completely exposed that it seems to was least expected. Morris Hilquit, who denounced the war and openly condemned this government. is now making patriotic speeches and offering his services to the government to heip in the fight against German militarism. The labor organizations of England which were for a time decidedly
lukewarm are now determinedly for the prosect ion of the war to a surmeny the prost
Bernhardi declared in his "Germany and the Next War" that it was world power or downfall
for the German empire. for the German empir
The world outsice
stands that such a thing as cermanent powers underpossible so long as the German military power is unconquered. That may make the fight longer than many of us have anticipated, altho I am of the opinion that when the German military power heeins to break that it win crumble fast, but in any event. mnch as peace is to be desived. it is beiter to fight another year and overthrow the
German government than to top short of that German qovernment than to stop short of that
even at the saving of a year of war.

## That Cannon and Engine

L. C. Knudson of Waterrille takes issue with my mathematics.
He sass: "Your answer to the mathematical question in a recent issue is avite abisurd in its final conclusion. Had it been limited. bowever to the first statement, The force which carried the ball from the gum on the engine was entively indenendent of the force which moved the engine explained the apparent puzzle itself. The problem belongs to the physical science of motion, of course mider which the elements and laws involved are explained fully. In this case it isn't a simple
matter of addition and subtraction of forces cording to the direction in which the cannon supposedly shot.
"Obviously the ball and cannon already pos the velocity of their base, a moving locomotire with a speed of 100 miles an hour. Fired strai ahead the projectile receives an additional petus from the charge of powder of 100 miles double the speed of the cannon and the carr engine, thus out-traveling them at the rate of the ball would exactly overcome the the f of the ball would exactly overcome the spee the cannon on the engine and they would part a instance or condition the discharge of the bill from the cannon would certainly occur as an ball pendent action, adding new force and thus o that already possessed by it and thus sow em about the cannon in the mortar is tially the same but as interpreted in the : fails of it. By adding the two explosive forees he speed of the ball is obtained as twtee tha be cannon, self-evidently
"In the first problem by assuming the speed he cannon ball at the rate given the problem omes practically absurd. The value of this of mental exercise lies in the inguiry it may lead mostly unknown and misunderstood."
Mr. Knudson may be right. There is, of co only one way in which his theory can be ac roved and mine actually exploded and that nd a cannon that will run 100 miles deliberate rate, for a cannon, of 100 miles ank plant the cannon on the engine get an an who is willing to devote his life for a few minite to the demonstration of physical science and then turn the engine loose and fire the gun. It wo e just like the government to refuse to let us an engine for this scientific test and trouble in getting that are going to hav rouble in getting that kind of a cannon. em is. It seems to me as if this absorbing prol minds of generations yet unbern along with ther rexing questions concerning the identity the individual who pasted william Pattersel other problem which as ecall is like this: "Suppose that an irresistib oree should enconnter an immovable object ould be the result?
However, in this case I will frankly own t Mr. Knudson has the advantage. He is c that he is right while I am not certain that right. I will therefore withdraw from this troversy until sometbody actually supplie
cannon and the engine and the engineer to $r$

## The School and the Farm

One evening recently I attended the dedication of the Ploom rural high school building. you never heard of the Bloom and really the state board of extent as yet. The repor is a separate organization. It is simpl as a separate organization. It is simp that report is concerned. a part of the township The entire township has a poprlation of 425 Hive in the little village of Bloom.

Last year was a hard season out in that part last rear was a hard season out in that part
the state. The land is fine but there was almo no rain last year and crops of all kinds were failure.
It takes some eonsiderable pluck to undertah the buikling of a rurgl high school under such co ditions. but then plue is a common characterist of the Western Kansas people
This is the first rural bigh school in Ford counts The district connected with the school takes so territory in Clark as well as Ford. The peo the rural high school district chcerfully $\$ 15.00 \mathrm{bonds}$ on themselves and then dug up some which is modern, handsome equip the buil
On the prening of the de aic com the people the district filled the high school auditorinul despite the fact that it was bitterly cold and the
as blowing as it can blow out in Western er , this is what interests me. The people are trying to correlate the school with yday life of the people. They took entically to the suggestion that there should experimental farm run in connection with high school and I think that will be the
They are intelligent and progressive They are intelligent and progressive
they say, and truthfully, that an exbut they say, and truthfully, that an ext made at the agricultural conege at Man-
does not necessarily prove anything so far does not necessarily is concerned, on account difference in climatic conditions. They can ee, however, that an experimental farm in woweve, hath the high achool might be of treadvantage to the farmers out there. On s advantage could be tried out all sonts of agrienlperiments. Some of these would fail, but re might be of as much benefit to the it there as a success. There are a few in regard to Western KEansas which are well established. One is that the methods ing which are successful in a wet country work successfully in an arid, windy counther fact is that the suecessful farmer in Kimsas must be prepared to change hise
to suit the different seasons in that ed up, the great problem of Western is for the farmer to adapt himself to the
and soil conditions of that part of the and soil conditions of that part of the
Ie must find out what crops show the He must find out what crops show the
sistance to drouth and winds. With an sistance to drouth and winds. With an ental high school-farm these tests can be
ithout imposing any great risk on any one ithout imposing any great risk on any one
oovered alse that the people out there are orered alse that the people out there are
onthusiastic over the idea of making the ot only a social center, but also a school e of all ages. Why not continue to go to ter we are grown ups?
going to watch that Bloom rural high
vith interest. ith interest.
people out there have evidently made up
inds to stay there and make the best of
inds to stay there and make the best of try. If they ever had the notion in their
that there is a change going on in the hat there is a change going on in the
they have gotten rin of it now. The of Western Kansas and Western Oklahoma tern Colorado has not changed. It will net in all probability. There will be comparaet years and extremely dry years just as lways have been. On the whole the climate
itinue to be semi-arid and part of the time itinue to be semi
thout any semi.
thout any semi.
iscover and develop crops which will grow iscover and develop crops which will grow is the business of the experimenter. ermment is ready to help out under its vermment is ready to help out ander its
which provide that the general govermment
$y$ a third of the salary of a practical farm rator and instructor, provided the state hather third and the local district the other

## German Cruelty

ier at Marysville, signing himself J. V., Can it be proved that the Gérman soldiers omen and children thru wanton cruelty? the late Queen Victoria of England? Has had any war since 1870 ; if so, with what
crman atrocities not only can be prowed have been proved so overwhelmingly that individual who still doubts that these have been committed is one who is so that his case is nearly hopeless, or else
crman sympathizer who reftuses to be conrman sympatl
any evidence.
prove German atrocities it is not prove German atrocities it itnesses
to take the testimony of withe ermany. The published defense of the
ermment of the acts of its soldiers in France is sufficiently damning with France is sufficiently damning with-
ay other testimony. In that published Gcrman fovermment acknowledges that
$n$ and children were shot down by Gerand justifies this by atserting that had been fired on hy citizens.
us draw a possible parallel, Let as
Germany occupied the territory now Germany occupied the territory now Missouri, and that Kansas was an overnment called Belgium, while the occupied hy Colorado was also an
ernment called Frame. Then lat - that war had been declared between and Framee. Kansas or Belgiom, Jying and Framee. Kansas or Belgium, tying ality was supposed to be protected by signed hy hoth:
asks the of Germany, wishing to attack asks the government of Kansas. or Beiso it may strike Colorado. or France,
sovernment of Kansas, or Belgium, replies cannot consent to that because it would be ion of its treaty obligation. The governif Germany replies that it knows that but it a war necessity and that after the war


it camot consent to take money for a violation of a sacred obligation and that if Germany insists on invading its territory it will resist to the extent
of its power. Suppose then that Germany, disregarding its own treaty obligetions, would proceed to send its armies into Kansas territory and Kansas should muster what force it could to protect itself. Its army would be beaten back by the overwhelming fovce of the German army. The course of this German army would rather naturally take it thru-the town of Marysville where J. V. lives.

A proclamation would be issued saying that if J. or any other citizen or person who happened
to be within the limits of Marysville should fire a shot at the German troops or commit any other hostile act a centain part of the inhabitants, say one-tikind, monld we shot and the town of Marysville destroyea. It is quite likety that some hotheaded resideme of Maryswille, burning with indignation at the wanton invasion or his country, wonld secide to try to kill at least one of the invaders, and aeting on that impralse would fire a shot from some nyper wiadow. Then let us suppose fhat I, V. and his wile and children, glong had one-third or the reside with the fiting of the had nothing whutever to do with the firing of the whot, would be taken out and deliberately shot by of what the German government not only acknowl of what the Germ dous edges was done, but justifies as a mat acknowledgment from the Ger
sity. With that act man government does J. V. need any further proof? But the testimony outside of this is atterly borrifying in its abundance and completeness. Ihave waded thru page after page of it until my brain photographg token, of letters captured with Ger photographs taken, of letters captured with Gertaken from the bodies of the dead Eluns on the battlefield.
When the German government was confronted with this horrible proof it proceeded to deny a part and defend the rest. It refused to agree that a conmission selected from neutral nations should be appointed to make an umprejudiced investigation wut instead made an investigation or an al leged Investigation itself. Of course that investigation was made as partial to Germany as possible, but even with its own prejudiced witnesses it succeeded in proving most of the charges mate by its enemies, I now recall one bit of testimony in the German report. A German soldier was at tempting to show that the stories of indiscriminate slaughter onen stated that in hunting thru a pile of dead Belgians who had been shot because-some person in the town had fired on the German troops, he only with apparent satisfaction that he found in the heap one living child and tells how he had that child cared for

In answer to J. $V$ ''s second question I supposed that every fairly well read person knew that Wil liam UI is the grandson of the late Queen Victoria The third question of J. V.'s is the one which leads me to suspect that his heart is not right Before the United States got inte this war it was most common for German sympathizers to call at tention to the fact that Germany had had no war since 1870, while nearly all the allied nations had
been involved in eme or more wars. It is true that been involved in one or more wars. It is true that since 1870, but it has done a great deal of fighting with hailf-savage people. In the conduct of its colonies it has been most futhless and cruel.

However, what Germany has done or has not done in the 43 years between the close of the
Franco-Prussian war and the beginning of this is not a matter of great importance. The important thing is what Germany has done in this war.
In this war it has made the Apache savage seem by comparison like a meek and gentle christran depths of savagery ever before recorded in history.

## Will Blood Tell?

So doitht, Brastus, there is something in what you say about blood. Good stock counts in humans as well as among znimals. You can't get purebreds from scrubs either among horses or men, but have a preat deal to do with the character and continct of people. I know a neighborkood where conernet of people. 20 years there has not been $a$ erime committed by on any member of the commmanity. There has been
no meed for a policeman and there have been go ne need for a policeman
dranks or anixsdemeanows.
I think the groaple of that community inawe maybe gatten the mation in their heads that they belong to a rather supenior order of beings. Down in the bottoms somathedy is making trouble most of the thme amal-the palicemen are teept bury.
Down in that meinhborbiond theve is not a veally cemfertahle hame. The ftreets are smoky and Cirty nud the wards ane full of rubibish and jumk. Now it is my opinion that if the surroundings of that neighberinood were as snaitary and inviting as they mare in the first neighborihood mentioned thene wonld be an immediate falling ofif in crime and disorider. It is my opinion that if the people who five in the ordenty neighborhood were pit they and their descendants kept there for a few
generations that the said descendants would be aising hades and keeping the police busy.
it is said that in parts of Australia it is very impolite and bad form to ask anyone even in the see a good while ago England used that part of Australia as a convict colony. Criminals who wer bothersome and maybe considered especially dan gerous were deported to Australia and turned loose there because-it was supposed that they neve could get back to England to do, any more harm Well, these convicts were given a chance in that wild country to work out their own salvation and strange as it may seem, when the opportunity was given they began to prosper and became industrious, law-abiding citizens.
We are more the ereatures of circumstance than we generally suppose. Also I might say, Erastus, that what is called-success is just as likely t
the resnilt of fool lack as of good judgment.

## Waste of Energy

I am frequently asked if I think we are going to have government ownership of railroads in the very near future.

I do not know.
My opinion is that we will at least never go back to the old system with its waste of time aud, energy and senseless discriminations.
Not long ago my attention was cafled to a case where a car of flour was to be shipped from a point in Kansas to a point in Texas. While this Kansus point was many miles nearer the Texas point than Kansas City, the rate from Kansas City to the Texas point was less than from the, Kansas point. Nas first hauled to Kansas City and then back thru the town from which it originally started on to the Texas point. The coal necessary to haul on to the Texas point. The coal necessary to haud back again to the. Kansas point was all wasted while the country generally was clamoring for coal. The wear and tear of the car and the track and the wages of the train crew, also were wasted, and this at a time when everybody is being urged to eonserve wherever possible.
If a private individual would act with no more sense than the railroad company he would be called before the nearest probate judge and a jury would be summonefl to inguire into his sanity.
What would be thought, for example, of a farmer who had a load of grain to haul to town, if instead of loading the grain in his wagen and starting by the nearest and best road to town, he would first rime a mile or two in the abher airection and then rive back over the same on the way to town
You know what would happen. The neighbers would say: "The war or something has unbalanced that man's mind. He may become dangerous. We had better have him looked after."
But in the case of the railroads tremendous salaries are paid men for managing such senseless systems. are paid men for managing such senseless systems. endless columns of figures on rate sheets. Shipping clerks puzzle over humdreds of differential rates which are based on neither reason nor equity. While produce is rotting in certain localities for lack of cars to load it into, and people in other localities are clamoring for the food and other necessities they cannot get, the motive power of every railroad in the country is being wasted in hauling empty cars.
Government ownership may not-be a complete suecess, but it can hardly be worse than private owner-
ship has proved to be. Politics will in all likelihood ship has proved to be. Politics will in all likelihood interfere with the efficieney of government ownership or government management, but at that it cannot be worse than the politics connected with private man-
agement, while some at least of the discriminations agement, while some at least of the discriminations
and absurdities and needless expenses of the present and absurdities and needless
management will be avoided.
management will be avoided. come, but possibly it may not be immediate.

## Let Politicians Beware

Party polities and partisan methods cannot win a war, they never have and never will. The President's announced purpose of calling both Democratic and Republican leaders of Congress into a serries of war conferences is wise and statesman like. The-Republican brethren have proved them selves worthy or this confidence by their support falled lim.
A President when elected hecomes the President of the United States, not of the Democratic party nor of the Republican party. After he takes the oath the people and the Nation have the first and onty ctaim upon him. He is the people's President as this is the people's war. In the hearts of the people there is only one political party in the United states today and it is devcted heart anc soul to conducting the war powerfully and force fully and ending it in the shortest possible time every every politician be-
ware of getting in the way of this party polic

## Dead Pigs do Not Win Wars or Pay Bills <br> More Care Will Reduce the Losses Greatly and Thus Increase the Production of Some Much Needed Pork

O5,288 PIGS farrowed on 75
 resented a loss of 31.71 per cent. Out of every hundred pigs 10 were
born dead, 18 died between farrowing and weaning, and three died after weaning. This means, on the average that of every. litter of 10 pigs farrowed hree died, and omy seven were raised. rims, and altho the figures were made in Minnesota there is reason to believe that a similar set of figures made in Kansas very likely would tel the same story. Too many pigs are lost; time and time again dead plgs spell the difference between profit and loss in the hog business. These farmers poured their money into sows, providing feed and housing and care, ou feeding improper animals, mprope feeding, improper housing, or improper cent at farrowing

## nt at farrowing.

And then by the same processes the suffered a second loss, more than double the first, in the death of pigs after farrowing. No doubt a certain percentage or loss wies occur under the
best of circumstances, but a loss so great as this is a loss amounting to a crime. In times of stress like these it is doubly a crime-a crime against the the United States and her allies Let's Save the Pigs.
The government of the United States has asked the farmers of Kansas to increase pork production this year by 25 per cent. Has it ever occurred to you that a part, yes, a large part, of by cutting down preventable losses and wh cutting down preventable losses and wastes? Assume that the figures men-
tioned apply to the hog industry of Kansas, and that there is annually a loss of 31.71 per cent of pigs farrowed. If that loss were reduced by a little more than three-fourths we would have attained an increase in production of the required 25 per cent. of course we are not likely to succeed in reducing our losses in any such wholesale manner as this, but we can reduce them, yery materially. A pig saved, that The time to begin cutting down pig losses is before breeding-in the selection and conditioning of dam and sire. We can't, of course, correct any misspring pigs, but we can see to it that the same mistakes are not made in breeding for fall litters, and for all litters that follow. This is no place to go into the subject of what makes up a good sow or a good boar; we shall assume that most hog-raisers have way. Rather, we wish to emphasize the point that a scrub sow is a mighty poor pig machme to be pouring sky precious labor and housing npon. If a man has any of that kind of stock around the sooner he gets rid of it and
buys something worth while the better it is going to be for him and for everybody concerned. We do not mean by this that he should necessarily buy extra-good purebred stuff, a atho thord it, but that he should at least buy Care in Breeding.
Haring animals of the right type
nd quality we should see that they and quality we should see that they
are in proper breeding condition are in proper breeding condition.
There is no profit in breeding either profit in mating with out-of-condition oer-fat sows this year scarce articles. The rum-down sof however, is another matter. High strong tendency to underfeed, athd thi is a tendency we have got to guari
against if we desire maximum litter of strong, healthy pigs. With alfalfa or clover and a very little grain run down sows may readily be brought int proper breeding condition. Aidoney


A Well Balanced Ration and Good Care With Properly Bred sows will Result in Producing Pigs Which Have Real Quality.

The feeding of a litter of pigs begins slop. As the gestation period drawse with the pregnancy of the sow. They a close oilmeal should be introduced farrowipg just as truly as they must for its laxative effect on the bowels be fed after they are born. And, like Fattening feeds, particularly corn, all growing pigs, the larger they get the more feed they require. Therefore, when you go out to feed a sow in pig, give her enough to supply her own wants, plus enough to supply the wants
of her unborn young. The same holds of her unborn young. The same holds true in regard to the kind: Give the
kinds of feed you should give to an kinds of feed you should give to an
open sow as well as the kinds of feed you would give to growing pigs. The pregnant sow needs mostly protein feeds-alfaifa, clover, milk, shorts, ties to develop pigs with kinks in their tails.
nately siture hog raisers more fortuof the situated, as regards the feeding of the pregnant sow, than in Kansas. adapted to the state is naturally nant-sow the most wonderfyl pregof it ! a seasoned, highly protein pasture plant A plant so rich and nutritious that it A plant so rich and nutritious that its mill product, bran! Think of the very expensive protein concentrates it takes
place of! sow needs exercise
pregnant sow needs exercise; without it she cannot retain health and vigor and transmit that health and
vigor to her pigs. From the time alfalfa is 10 inches high in the spring, clear up until fall, she can run on needed exercise. In the winter muchshe can run on winter wheat or sye pasture, with alfalfa in a nearby rack, and a little corn, kafir, or ground oats, on the side. Only when the snow and ice prevent pasturing must her owner take extra precautions for her exer-
cise. Then he mast put her feed and cise. Then he mast put her feed and
water at a distance from the sleeping water at a distance from the sleeping
quarters to make sure that she moves quarter

The condition of the bowels is an extremely important matter. If the sow has alfalfa there need be little trouble
from constipation. If she hasn't affalfa she must be fed bran, and the grain


Pasture Crops Must be Used Extensively for Hogs if the Best Profit is to be Ohtained; Alfalfa is Especially Valuable
ally will get along by himself, but is cold care must be taken that he does a covered barrel or Heated br and an oil heater nearby may serve same purpose. Sometimes, in weather, he may need to be carr the house to bask in the heat warm stove. Under such circumstances it is well to wipe him dry. pigs that are born apparently dead may with a little attention be or slime is not obstructing the and nose; wipe it off. Then hit mimth few light slaps on the side. has started breathing and has warmth.
Good hog men say that if a sow has been fed properly she will no eat her pigs, but this is ño reason why
she should be tempted to carni she should be tempted to carnivorons habits by allowing her to eat the afte
birth. That is an article which shonl be removed and buried or burned once. The little sharp teeth pigs are best broken or clipped that the sow's udder may not lacerated and sore.

After Farrowing. For 24 hours after farrowing the sor will need nothing but lakewarm which is increased gradually ness from feed to feed. In a should be back on the ration getting during late pregnancy. ually the ration must be incre also may be the proportion ing feeds. As the little pigs g coming larger and stronger, quire more and more feed wise feeder will see that the mi of the sow is adequate by givi the feeder gets the fullest his money, for at no other the pigs make greater gains same amount of feed.
But suppose the pork produce give the best of housing, the feed and feeding, and the bes tention at farrowing time; e he may suffer enormous losse. ease-cholera, lice, worms, tuberculosis, and a score of ot
sible troubles-may decimate Some of these troubles. may the animals; they may only profitable gains. Others may the whole herd, What gains raiser if his sows farrow the in the whole world and he then disease and pestilence to ravish then unchecked?

Away With the Diseases. Sanitation, serum, and appror rectives must be used to reduc money will bring greater return the prompt removal of filthy litt offal, and the liberal applica disinfectants. The effective and prevention of hog cholera. use of pure, potent serum prope ministered, has been forcibls ing counties. No doubt can main as to its reliability. ashes, lime, salt, sulfur an as a worm preventive and toni been found very useful. Car permitting too many hogs to $p$ become heated, and get pneum in keeping little pigs out of a are matters of plain commo All this is but suggestiveof things that every progressi
man already knows. The simp man already knows. of the matter is that if
raiser would do the best he number of dead pigs a suffer an amazing slump we desire to ram home is that valuable pigs become-the hi price of pork and the greater of humanity-the greater sh the effort of the hog raiser pure wanton waste-un-Americ unprofitable. Why not elimil this year in Kansas? Let's p crop of 1918 and increase

# Let's Use the Winds for Our Farm Power 

## A Good Mill Can be Built Cheaply in Kansas and it is Efficient When Managed Properly

TINDMILLS have been popKansas communities. This probably will be true to an mill it is wem to select a ch is amply strong to withighest wind velocities, even as the damage resulting will more than offset the he tripod, or three-legged lighter and allows trussing 1 manner, and even if the
proportionately heavier. the ht is less than that of the cheap or poorly construeted, hazardous than the four-post
similar construction. imilar construction.
attention should be given to s and their footings. These c plates of large area set
id
foundation and firmly d bedded in place.

## Wooden Towers.

wers are good where clear vailable at a reasonable
ess they are bailr substankept painted their life is hept panted their life is wood is used, the anchor be bolted firmly to "dead across the bottom of the and the entire anchor well tarred or charred to vid decay.
ht of the tewer has much the success of a mill. It be located where the ucted in its free access and it should be high the ground to realize the
the wind.-Ordinarily 40 the wind.-Ordinarily 40 excellent results, tho in the wheel may-te
ahove the ground. bove the ground. than one mill is used, the iven consideration, other given consideration, for if
ne with the prevailing wind ine with the prevailing wind
obstruct the wind consider-

## By P. E. Fuller

ably, even if they are placed at such
distances apart as 500 feet.
When mills are shipped from the actory they usually are crated and field. Instructions always accompany the shipment and with care no trouble vill be experienced in the erecting After the mill is entirely assembled it should be inspected carefully to ascertain whether all the parts are placed correctly. In raising the mill it should be blocked up as high as possible and a 2 by 12 plank should be bolted upon
the legs against the ground. Four, by the legs against the ground. Four by the tower about one-third up from the base, and over the croteh in these legs stout cable or rope should be made fast to the mill head, the free end being fastened to a set of tackle blocks.
Four-sheave and three-sheave blocks for $11 /-$-inch rope are best, one end of the blocks being made fast to the he fastened tree end of the line can of horses can be dsed to raise the mill Three strong guy lines, one in the rear and one on either side, should be made fast to the head to steady the mill when raising. It is well to choose a
day for raising the mill when little day for raising
wing is blowing.

It is unfortunate that the windmill has attained a reputation of not needing attention except at times of breakdown, and conditions are aggravated $y$ the attempts of makers to Include automatic oiling devices, which are
said to be so reliable as to need no said to be so reliable as to need no
attention during a season. While such attention during a season. While such
devices are commendable in machines operating in places where daily ob operating in places where daily ob-
servation is possible, they are out of servation is possible, they are out of place in a windmill, which by virtue of its nature must be placed high
above the ground, where a special effort must be made if inspection is had lort must be made if inspection is had
and where it is exposed to the dust and where it is exposed to the dus
and the elements and where the loosen
ing of a bolt may ultimately cause the Proin of the entire engine.
rrobably from no machine is so as from a windmill, and probably no machine will give so much in return for so smaH an investment and so great an amount of energy from na ture's store without cost to man. It is a mistake for manufacturers to advertise the simplicity of their particdar make of mill and the small amount of attention needed, for in doneglect and indifference on the part of ners.

is to be hoped that as the demand for irrigation plants using wind power becomes recornized manufacturers wil strive to buitd mills of heary con struction scientifically anct-mechanic ally built with all working parts machined, properly and provided with liberat and pesitive oiling facilities, press upon the users the similarity between the windmlll and any other type of engine with respect to the necessity for thoro oiling and systematic inspection. It is further to be hoped that the purchaser will not be guided of his choice by the cheapness of the product, but by excellence, and it is not amiss to say that very often the cheapest article; whether a mill ov a wagon, is in the long run the most ex| pensive. |
| :---: |
| The |

The speed at which pumps of the windmill type give the best results consistent with long life-is at a maxi-
mum of 30 strokes a miaute, but better mum of 30 strokes a miaute, but better of stroke is increased beyond that usually adopted by mill manufacturers, leaving the cylinder diameter the ers, leaving the cylinder diameter the same and reducing the number of
strokes, but lessening the crank speed by gear reduction so the quantity of water pumped a stroke is increased. The reason for this is that the column
started less frequently than otherwise, estuting in less wear and thrust in the pump and mill parts. In this re eduction in geared mill wisequent onger stroke would be preferable to the direct short-stroke type. Such an arrangement, however, requires that the gears be designed with ample face or tooth ares and liberal strength in againsf a fow the pump operates short and large pipe to the reservotr the objection to short strokes is not so serious.

## Efficient Pumps.

In choosing a pump for a particular the mill matter of size can be tert to such a pose anacturer, but even the principles involved is desirable. A few points in the construction of a pump are of great moment to its successful peration and are given herewith.
(1) It should be insisted upon that he pump have a large stuffing box or gland-it it be of the pressure typewhere the piston rod leares the pump. This gland should be packed with a good grade of graphite packing.
(2) The cylinder or its lining should be of brass, seamless, and polished on the inner walls.
(3) The piston should have ample space for the best leather packing and the "Pollower" should be arranged-so not to become loose.
(4) The piston rod should be of bronze or heavily encased with brass least, and on either case should be at (5) The guides for the
(Ј) The guides for the crosshead should be of large diameter and be all positions.

## (6) The <br> (bin vits or water openings

 (7) A generous air chamber should be provided at the discharge opening of the pump. Its capacity should be at least three times the capacity of the cylinder and a greater capacity than cylinder and a greatthis will do no harm.

## way With all the Kansas Garden Pests

## Why Not Get a Larger Part of the Food Supply of the Family This Year from the Vegetables?

IDCH larger supply of food second, the sucking type which with a usual can be obtained year from the Kansas gardens. This is of the ortance. Prices for all
will be abnormally high, actual shortage. Every produce as
is possible. is possible. esults will not be posdefinite prograin is demany cases the garden alses it should be tended average person under-
general way the things_regeneral way the things retecess with vegetables, but put on the soil. It will of the garden yields its food this year. ss are necessary. In most
ion will be helpful. Well
ire will aid. An effort ie to control diseases. Per most important thing. howfight the insects. These Kansas. Why not con this season?
insects in Kansas may be whly into two great classes is of their mouth parts and feeding: first. the chewing type which actually eats the
leaves and fruits of plants;
long sucking beak draws out the plant
juices. The army worm is a good exJuices. The army worm is a good exwhite the plant louse or aphid represents a sucking type. Advantage of this natural di
trolling insects.
it usually is
It usually is possible to kill all insects that bite and chew by dusting or spraying arsenical poisons over the in-
fested plants. Stomach poisons like Paris green and arsenate of lead are paris green and arsenate of lead are
used. is necessary to cover the plants thoroly with such poisoñs because in many cases the insect may
seek. and feed upon. the parts of the plant not covered by the poison dust It is practically impossible to poison the sucking insects because hy means able to draw out the plant jukes from beneath the strrface without taking any of the arsenical poisons. For the sucking type of insects, therefore. a contact wash or spray must be used. The solution kills the insects by coming in contact with their hodies, smothering, corroding, burning and penetrating their living tisstres. Such sprays as kerosene emulsion, strong soap suds, and tobacco solutions may he used. Only those insects thitt are actually hit by the spray will be killed. ing to wet every insect.

Melons and other plants which are jured easily by strong washes should not be sprayed with miscible oils like kerosene emulsion. For such tender plants, streng soap suds and tobacco the plants If care is used, sucking the plants. If care is used, sucking ansects on plants like corn, catishes may be killed with a 5 to 7 per cent. solution of kerosene There are so many insects and diseases which attack garden erops that it is impossible to mention them all here. They are all listed, with meas ares of control. in an excellent 72-page Diseases and Insect Enemies of the Home Garden. which was issued ve cently hy, the United States Depart ment of Agricfilture. Washington. D. O Every reader of the Farmers Mail and Breeze who expects to plant a garden this year shonit send for it. The hul etin is sent free: a postcard reques will bring it to vou promptly. You
will thus be supptied with the inwit thus be supptied with the in-
formation required in the control of formation required i
all ordinary insects.

This is the only way to get the largest returns from vour garden. Become familiar with the insects and diseases known to occur in your dis. trict on the crops you are growing Equip vourself in virance with all applying them. Remember that the
and
timely application of a remedy acts as n insurance against loss Watch constantly for the first appearance of a disease or insect. Inpect the garden at least every other jurv und apply the proper treatment promptly Use the combination-treatments in case a complication of ments in case a complication of
tronbles is present. Repeat treatments ronbles is present. Repeat treatments the influence of weather conditions as well as the life history of the insect or fungus causing the disease.
Use insecticides and fungicides in the proper dilution to accomplish the bject without injuring the plants. thers experimentaHy best. Test them on a large scale.
Use the best sprayers. A thoro application is necessary for the best reults. Adjust the sprayer so that all the air will be covered
Work for co-operation in the neighorhood. One badly infected or infested garden may be the source of disease infection or insect infestation for several near-by gardens. will be your own garden clean and it will be an object lesson for careless neighbors
and will have a tendency to help clean and the neighborhood. This will make control easier and cheaper another sear.


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## The Farm Poultry Outlook in Kansas for 1918 is Excellen

## By George Cugley

Poultry raisers generally appear to be under the impression meat should advance cent for cent with the price of feeds. Many poul-
trymen who had been selling their egg trymen who had been selling their eggs
at 30 cents a dozen, when scratching at 30 cents a dozen, when (eratching
feed was selling at $\$ 2$ a hundred, exfeed was selling at $\$ 2$ a hundred, ex-
pected to get 60 cents a dozen for eggs pected to get 60 cents a dozen for eggs
when scratching feed advanced to $\$ 4$ a hundred, when, as a matter of fact it is not at all necessary for eggs to $\$ 4$ a hundred in order to show a sub stantial profit.
It seems to be the custom with many
poultry raisers to poultry raisers to make their com-
parisons between 100 cound and a dozen in keeping with the established practices that are followed by the modern commercial poultry plants.

## Accurate Records.

The percentage of poultry raisers who keep an accurate record of their
transactions is exceedingly small, and this is indeed unfortunate, because without an accurate accounting sys-
tem in any businesf, there is always a likelihood of jumping at conclusions that are not founded on facts. During the last few months I have heard and read statements by a great many poultrymen who had been honestly con-
vinced that they had been operating their plants at a loss, when, as a mat their plants at a loss, when, as a mat
ter of fact, they had no way of knowing for a certainty where their profits were really coming from. Simply be cause the price received for eggs and
fowl had not advanced cent for cent with the cost of feed, they jumped at the co
money.
There appears to be but one way to figure the profits or losses in the poul-
try business, and that is to figure the try business, and that is to figure the
cost of maintaining a hen for a year cost of maintaining a hen for a year
against the value of the eggs she produces. That erroneous idea of comparing 100 pounds of feed with 1 dozen
eggs is so misleading that it is not eggs is of misieacang that it is not
worthy of consideration, and the readers of the Farmers Mail and Breeze whivor be doing their poultry friends favor by pointing out the impossibility
of accurately figuring profits on that basis.
A sh
Ang of the time ago I attended a meeting of the Ohio Poultry Breeders' as-
sociation, where Prof. A. B. Dann, of the Ohio State University, presented some facts that were truly amazing to some of the breeders in attendance.
Many of these breeders had formed Many of these breeders had formed
the opinion that they had operated their plants at a-loss, but when they
began to figure the thing out began to figure the thing out on the proper to sis, they were agreeably sur-
prise to find that they had actually been making a very satisfactory profit and did not know it. Afeer I returned home from the meeting I wrote to
Professor Dann, asking him for some of the figures he gave in his talk at the meeting. His letter to me is as
follows: follows:
to answer your found an opportunity you the figures which you heard me ment Averagq cost of Cornell ratiorg
both
grain
and mash- 1915



sher pou
"Assuming that a well-kept commer hal flock will average 10 dozen eggs a hen, and basing the value of these
eggs on the average price for 1915 and 1916; which was 30 cents a dozen, they vould be worth $\$ 3$ a hen a year. It grain and mash to feed this hen for ne year. This would cost at $\$ 1.187$ hundredweight, $\$ 1.40$ a hen $\$ 1.)^{2}$ Subtracting the feed cost from the value of the eggs would leave $\$ 1.60$ a "The same number of dozens of eggs or 1917 at the increase of 30.2 per The 75 price would be worth $\$ 3.90$. Le 7 pounds of feed for 1917 at $\$ 3.11$ This would leaye a balance over feed note, is but 2 cents below the ywil above fed cost for the averaze of 1915 and 1916.

The whole point in question is that from should consider the proposition production, and the unit of production is the hen-year. The price of 100 pounds of feed may be the unit of purchase, but it is not the unit of cost of production. Likewise, the price of
$\mathbf{1}^{\prime}$ dozen of eggs may be the unit of sales, but it is not the unit of income. Briefly considered, when feed in creases 100 per cent in cost a hundred pounds, it is offset by an increase of
approximately 40 per cent in the price of eggs a dozen."

## To Determine the Profits.

A little figuring on your part will convince you beyond doubt that the letter is the only practicable basis on which poultry profits can be figured, reaping a avorage poultry raiser were reaping a gross profit of $\$ 1.58$ a hen,
over and above the cost of feeding dur ing 1917, there certainly was no caurfor complaint from the standpoint of profit. It is not at all, unlikely that the cost of feed as applied to the Cornell ration may be somewhat less vidual breeders, but in any event, it will only be necessary for such breed ers to make a comparison between the average cost of their feeds during any
two years in order to determine the actual difference in the gross profits.
It also should be noted that had it he poultry breeders during the early part of 1917, the market prices for eggs and poultry would have been mapoultry raisers have been were. Many poultry raisers have been complaining their products at prices that were not in keeping with the advances in food, but it certainly would not have been fair to have permitted the cold-storage men to have charged an exorbitant had in storage which had been purchased at the prices that were in effect during the early monthís of 1917 . The cold-storage houses were called on
poultry and eggs that were consuma during the last half of 1917, and \&if faithful to his trust had he the owners of this tremendous amou of poultry and eggs to reap bitant profit on their 80 per the benefit of the men who

The situation for 1918 .
hows every promise of being profitable year for poultry with this evidence many y every encouragement should b and encourage those in the business to enlarge their The tremendous cold-storage that were on hand during been almost entirely exhausted rom now on the values of bo try and eggs will be based
present cost of production.

Satisfactory Returns. In every line of business season in accordance with the onditions, and this situation Th true of the poultry ind the logieal time to start eary, and if poultry industry eggs and poultry can be basis, we are going to se
lutely satisfactory scale maintained thruout the curr Aside from any other argum mitted be advanced, it must mitted that hatching eggs try values, and if we toke
ing prices on these twe the
ing prices on these two items person can see the signs of pescousime ment.
/ Now suppose that we assume that the average price of strictly fresh eggs uring 1918 will be 48 cents feed will be $\$ 4$ a hundred. well-known fact that 75 p food will feed a hen for a
that the average hen produces eggs in a year. On this basis cost $\$ 3$ to leed a hen ror a ood at $\$ 4$ a hundred, and $\$ 4.80$, which eggs at 48 cent $\$ 4.80$, which would leave basis.

Eggs for hatching that could hundred are selling at $\$ 8$ to mal times at $\$ 12$ to $\$ 1$ dred are selling anywhere fro $\$ 25$ a hundred, and it natu poultry and eggs are going keeping with the market hatching eggs and baby chick

Prices of Feeds.
For some months past the Food Administration has pelled a reduction in the price try feeds, and while we have couraged to believe that there poultry feeds that might realize that any corn will come as a result of suming that corn will be sold the year at $\$ 1.28$
still would be necessary for dealers in poultry feeds to sell food at about $\$ 4$ a hundre wheat at $\$ 2$ a bushel o
it is not hard to underst scratching food must sell at dred-nearly
add the cost of transportatio people who handlenable proft the producer and the consumer Instead of anticipating a business to assume that these prices are going to stay about wher

THE FARMERS MAIĹ AND BREEZE

## What the Bees Do

Why Not Harvest More of Your Good Farm Honey Crop?

By J. Troop

EVERY well organized colony their honey stomachs with food, the adhere, to them may be taken from the EVERY wel classes of bees, the orkers, and drones or male perform, and we cannot say is more important to the col an the other, as all are necesween is the only perfect female, course, she is the mother of all her bees in the colony. Her duty to lay eggs to keep up the
bees in the hive. Cook rehaving seen her lay 3,000 eggs a These eggs are placed on one end bottom of the brood cells, and wirs depends solely upon the ishes of the queed. If conditions of tar flow so the workers are off duty a time, she will almost invariably lay drone eggs. If the colony becomes
too densely populated, she will lay ton
drone ene egss.

About the Eggs.
This is accomplished by simply witholding the male, or fertilizing fluid, nd allowing the eggs to pass out un-
mpregnated. This operation is enirely within her control. On the other hand, when everything in the hive is in abundant nectar flow and plenty' of room, she lays fertile eggs in worker cells, which hateh into undeveloped rgans are undeveloped.
The time required to produce a quech, a worker, and drone from the
egs is 16,21 , and 24 days respectively. lie fmetion of the queen is solely to weggs. The function of the drone is fuction of the workers is to do all of site the hive, such as gathering the nectar and pollen, manufacturing them
into liee bread for the young bees, placuy it where the young bees can get it withont much effort; secreting the ing up the cells when they have been filled with honey aad this has suffiCells whitch are built by the workers are not all of the same size; those the honey cells are about $1 / 4$ inch in the workers are only about 1-5 inch in diameter: The relative amounts of
dronse and troled to a certain extent by the bee-
keepr, by the use of artificial comb fomidation as a starter. This consists have treen run thru a stamping machine, similar to a clothes wringer,
Which makes an impression on both Which makes an impression on both
sidtw of the sheet of wax of the exact
side On this foundation the bases of the cells. and haild up the cells in both direcsimpiy enlarge the cells to the required

## Queen Cells.

pemicently oflls are constructed indethery are needed to produce new queens. Theser are much larger than the other
cells, resembling anil resembling small pearuts in size size Whe ane and usually are placed on
the wire, or in an dpening in the comb.
ond ainl the settlea warm weather arrives, York begins in earnest and from that thine on until cold weather arrives in oulvide and inside the hive.
to kion as the early workers begin raphly until after a time the gueas appherenty seeing that the the quese wili
soum lie
 Torkery have preve, celis, which the constructed. fone, sometimes 10 or 12 and soon hoon, aster some fine day along towards
their honey stomachs with food, the
bees rush out in a swarm, the ofd
queen with them, altho she is often queen with them, altho she is
among the last to leave the hive.
among the last to leave the hive.
This swarm usually lights apon a tree, shrub, br even a cence close by erable time probably until the bees are satisfied that the queen is with are satisfied that the queen is with them to go off without her. Then, unless the beekeeper has seen them and taken them in they will go to the woods and find a new home in a hollow tree. This is a time when the beekeeper should be constantly on the
watch in order to prevent the loss of swarms.
The old colony has been greatly depleted in numbers, but young bees are constantly emerging and a new queen will soon be out, and if the weather conditions continue favorable, in 10 days or two weeks, a second swarm may be given off. The first young queen to come out goes with swarm. Shange after the first swarm has gone change after the first swarm has gone out, thus cutting short its swarming queen cells will be destroyed; otherqueen cells will be deang queens will be allowed wise the Joung queens win be alth the expectation that they will be needed.

A queen mates on the wing, and only once during her lifetime, which may be four or five years- Of course, she during her lifetime. After mating, she never leaves the hive unless she goes out with the swarm. The queen may live and do good work for three or four years, but most beekeepers prefer to-replace her with a new one after two or three years in order to keep up the vigor of the colony.

Swarming of Bees.
There are several conditions which may cause the bees to swarm ; first, stored rapidly and breeding is rapid, the frames soon become filled with honey and brood, and the bees then prepare for a division of their forces, and a portion of the occupants move ut. The first swarms usually come out from this cause, but later other swarms go out seemingly on the least provocation. The number of swarms *ill depend largely upon the amount of brood, the Papidity of nectar gath-
ering and weather conditions. No swarm will go out howeyer, permanently, at least, unless there is a queen season is enough where the object is season is enough where the object is
honey, instead of an increase in the honey, instead of
Generally speaking, early swarming is preferred, as it enables the new colonly to become well established and
ready for the rich stores of nectar from the later flowering plants. The old adage states it thus

A swarm of bees in May
Is worth a $10 a d$ of hay;
A swarm of bees in. June
As swarm of bees in .June
Is worth a siver spoon;
A swarm of bees in Junly
In early times and, under the, old methods this was largely true, espe cially for the colder climates, but under modern methods of beekeeping the later swarms are often made very profitable.
For the

For the amateur beekeeper, where honey is the object, swarming should be elingated, so far as possible, as
much of the energy of the bees is dissimuch of the energ onusual excitement pated during the unusual excitement. As already stated, over-crowding is the
principal cause of swarming. This principal cause of swarming. This tent by dividing the colony and starting a new one, or by placing an upper story on the hive consisting of an ficial hive filled with frumes and ar be followed by another and even another, if the conditions warrant. By placing a queen excluder over the first hive
the/brood comb will be confined to the lower hive.
In dividing, two or three brood
rames together with the-bees which
adhere, to them may be taken from the
old hive and placed in the center of a new one which is frames with starters. Give the new colpny the old queen or else let
them defelop one from the young brood. Fill the vacancies in the old hive with empty frames, which will supply plenty of room for all to work. Cutting out the surplus queen cells and the swarming, but seldom prevents it altogether.
When the swarming fever is on, and dividing is resorted to, it is best to give the new colony the old queen, and re-queen the old colony with a new one. This will often upset their plans and cause them to settle down to storing
again. Where extracted honey is degain. Where extracted honey is dioired, give plenty of room, ven, ventilaand shade; for comb honey, verming tion, shade, and
are prime factors.

## Strong Colonies.

Strong colonies are the secret of success. As the bees come thru the winter heir numbers are very often reduced ime and effort on th to require some keeper to bring them up to standard strength of from 40,000 to 50,000 worker bees. This may require stimu-
lative feeding. As it requires 21 days o produce a worker from the egg, and two weeks or more before it will take its place among the gatherers in the field, it will be seen that the queen should begin laying eggs five weeks or
more before the honey flow begins. more before the honey flow begins. During the period of nectar flow from require any always periods when flowers are scarce and honey flow -naturally ceases, when feeding must be resorted to in order to feeding the colony up to its full strength. keep the colony up to its full strength.
The first and most important product of bees is honey, and its natural Cook says it is digested nectar, a sweet neutral substance gathered from the flowers. The chemical composition is very varied, owing to the large numwhich different kinds of flowers from thoroness of the digestion will affect the composition of honey. The longer it remains in the honey stomach,
within certain limits, the better is the quality that is, if the better is the located a mile or even 2 miles from the apiary, the honey will be of a better quality than if the bees had to

Colors of Honey.
Not only does the chemical composition of honey differ as it comes from different flowers, but the difference in will vary from "re pronouite" as it is sometimes called, to a dark amber color. The light-colored honey in this section of the country comes from the clovers, basswood, raspberry, rireweed, apple, cucumber, and fine honey. The thistle makes a very rine honey. The golden rod, heartsease, sunflower, Spanish needle, milkweed, sumach, poplar, gum and horsemint make an mber-colored honey, while the dark For ordinary use on the table, the great majority of people prefer comb honey, or honey in the comb. For conrenience in handling, this usually is produced in 1-pound sections which are hamber. In order to secure an abundance of honev in this form, the colony must be kept strong, and the queen encouraged to begin laying early and constantly, so the brood chamber may be well filled with brood before the main honey harvest begins. This will drive the worker bees to the supers with their stores, and as soon as the sections are well filled and the cells capped, the bee escape board may be placed between the hive and super and will have all gone down below and the
 super may be lifted off and replaced
by another filled with empty sections.


IASURE AGAINST CROP LOSS!
WERE you one of the thousands all of their corn crop last year beall of their corn crop last year be-
cause the corn, planted late, was still soft when a freeze came? Farmers who had silos saved their saff
corn last year. They are getting its fun
value today in silage fed to fattening stock. corn last year. They are getting its full
value today in illage fed to tattening stock.
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Case Baling Presses have extraordinary features not found in other machines. Case Balers handle extra large feeds without danger of breakage.

Case belt power Balers are built in two sizes, $14 \times 18$ inches and $17 \times 22$ inches. The former has a capacity of 3 to 4 tons per hour, and the latter $31 / 2$ to. 5 tons per hour.

They are constructed entirely of the best steel, the frame extra heavy and hot riveted. -This keeps all parts permanently in line, and eliminates an endless amount of trouble found in balers constructed of wood and cast iron.
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## Jayhawker's Farm Notes

BX HARNEX MANCH

Get the College Seed List.
More About si.50 for Hogs:
Manure Helps the Alfalfa.
More About si.50 for Forgs
Manure Helps the Alfalfa.
For a Better Crop Rotation.

H

- ERE IT IS almost the first day of March and we have had nothing that could be ealled rain
the mildle of Octobei. All our moisture since that time has come in the form of three light snows which blew badly and in most instanees left the wheat uncovered. Despite this the
wheat still appears alive and ready to wheat still appears alive and ready to
start out when rain and warm weat start out when rain and warm weathen
comes. Wheat growers are praýng mightily for more moisture but the migntily for more moisture but the
tenants who have to move would. like to do so on dry roads.
It is common to pity the tenant who has to move every year yet in many instances I think that pity is notasked.
It is fun for some men to change their It is fun for some men to change their
location often whatever it may be for location often whatever it may be for
their wives. The moving fever can get their wives. The moving fever can get
hitched to one very easily ; I know men who have lived in almost every state west of the Mississippi River and enst of the Rockies who would not be satis-
fied with the best farm in the West. Inside of a year it would be sold and the hunt for other pastures begun.

Requests for seed grain of vaxieus kinds continue to come. In: reply to all such I would say that corn grown
liere is not suited for the north part of lere is not suited for the north part of
Kansas. I know it is not far up there Kansas. I know it is notfrar up there
but that 75 to 100 miles seems to make a change in the comn; our coin is not suited for their latitude and their corn,
aside from a little for an early crop, is aside from a little for an early crop, is
not suited to this locadity. To all pernot suited to this locadity. To all per-
sons who wish seeds let me say that the Kansas State Agriculturat college, Mamhattan, Kan., issues a long list of
farmers in all parts of Kansas who have all kinds of seet for sule. If one is needing seed corn, kafin, milo. fet-
erita, cane or Sudun grass seed let him Write to the college and ask for this not guarantee the seed quoted in this list but it says that to the best of its knowledge it is good seed.
A big effort this week to get Mr . Cotton, the govermment fixer of prices on livestock, to raise the $\$ 15.50$ mini-
mum on hogs failed. Mr. Cotton premum on hogs failed. Mr. Cotton pre-
tended to get an expression of opinion on this question from all the different bodies and individuals swho raise and wording his inquiry he was guilty of something which is a little like sharp
practice. Instead of asking the the men if they thought they were entitled to an increase in price he asked, "Are
you in favor of abolishing the minimum? Answer, yes or no." This put it up to the hog men with a vengeance;
if they said "yes" they would not have even their present poor line of defense left; if they said "no" that put them
in line with Mr. Cotton in suine in line with Mr. Cotton in saying that
$\$ 15.50$ was enongh for hogs even tho fattened on corn worth $\$ 1.75$ a bushel.
The way Mr. Cotton plirased his
question in the foregoing paragraph reminds me of a story I read a good asked in some court and the witness had been directed-to answer "yes or
no." One of the attorneys objected, no." One of the attorneys objected,
saying that the form of the question was unfair to be answered in that way.
To which his honor observed that any question could be answered "yes or no." "All right," said the attorney,
"will, vou answer one for me that way ?" "Certainly,", said the court,
"go ahead and ask it." "Your bpnor," said the lawyer, "have you quit beating your wife?
Despite the present loss in hog feed raise spring pigs and feed them for the winter market will profit by doing so. It is true there is no law fixing the
price on a ratio of 13 bushels of corn to 100 pounds of pork but if that agree ment does not hold there will be a bad
time in store for the Food Adminis time in store for the Fond Administrators. They are in honor bound to
hold to that ratio after having allowed the farmers to produce pork at a loss
for several months. That ratio allows
a. profit no matter how high th the farmers will hold Mr. Cotto
We haFe completed the coveri one althilfa field with manure bu something like 25 loady of havi other covered. It has been the here that a stand can be the the use of manure can be held dates from 1912; it is on thin but still has a fine stand yet we could see signs that fertilize needed. If it is not applied upland foxtail creeps in and falfa soon is gone. We think enough of our alfalfa to give manuve even at the expensegraiń fielas.
We still have in the barn enoug falfa hay to feed us another ye er are not earing whether we or not. The results it is giving year in calf feeding malie us c
good adfalfa in the mow equat goed adfalfa in the now equal to beats money in the band all kno

Despite the present and prospect high price for corn we will no year Dase so large a proportional age as usual. In former year was raisefl on two-thirds if not fourths of all our cultivated lan ve have learned better than to this up and by experience, too. ut a lot of the land in this lown mighty close to the line We have made to produce pro We have on this farm 120 ac plowed land, 80 acres of prairi Our cartivated land will lie this year-if Providence per an old New England deacon wheat, oats and corn, 43 falfa and the balance to kafir toes, garden and the like. Our as soon as the war is over, to st ther cut down the grain acreage sow tame grass for pasture.

For some years we have had terial for mulching potatoes. Th was spoiled and unspoiled hay bis at from $\$ 8$ to $\$ 20$ a ton in those 0 mulch potatoes was worth too re going to have a stack of oats the potato we aim to use mos have been sold at a sood price but we thought it too goof to and intended to feed it to: for it to frind that the stock onl but is not relished feed. I mis is beeause the straw hore quality went to the grain, leavin in the straw. To look at it one ay no straw could be nicer but vorth more grain 1 think it as cow feed.

The main part of our potat this year will consist of Eurek. We have grown this variety new seed stock has to my know the North in that time Despit our potato crop last vear vield actly 100 per cent better from the eka rows than from those plat grown here but one prior seasou shall this year agnin plant some Ohio and shall būy imperted Red tock for seed We also have-o 1 bushel of extra fine seed stock noted Wisconsin grower ushel raising seed for another year Gureka. Earists of one peck en Garly Six Weeks. A faix equal of these four sorts this summer tell us which is best adapted onditions. We have raised arieties here in the past and erience with them to this date ureka is our best potato for the supply. We have no seed for


$\mathrm{T}_{\text {oper }}^{\mathrm{HE}}$D HISTORY of distributive co- come general in a state like Kansas, it operation in the United States is would be necessary for them to prove hoth-successes and failures. Since ately owned stores, for in most comen hoth-successes the movement in munities the profits of the latter can-
business and even to the manufacture handle. There seems to be no immedi-
miforts thus far to federate co-opantive stores for the purpose of organtion have met with little success.

Use Business Methods.
A survey of the history of the co-opthe movement leads to the inarable record is due to the propaganda of enthusiasts and ient management. Stores frere organized without due re-
existing conditions, on the existing conditions, on the
wave of enthusiasm aroused andists and promoters. That iising, a a a general thing, does itself to co-operative effort so is borne out by history and
land and other European counsuccess of distributive co-op-
due largely to the fact that is not a separate, isolated federated stores. The stores -operatively; they do their buying co-operatively; many ds sold are produced co-operom its production to its con-; is " paved with co-operation."
certain conditions the co-opere can perform a legitimate function, but it will meet with only when attendant circum-
are favorable. Often instead operative store a co-operative
issociation, for the purpose of ssociation, for the purpose of
orders for limited classes of hould first be organized, and
business warrants, may eventtransformed into a co-operacarrying a varied stock and carrying a varied stock an
various classes of people. Rules for Success.
Clarence Poe, in his "How Farmers
Copprate and Double Profits," lays and Double Profits," lays
rules which should be oborganīzing co-operative stores: y should never be started uny sho
$y$ should have what seems to dequate patronage in prospect, hiru taking the place of an
store or by, taking over the a co-operative buying society. hey should sell only for cash-
hey should include townsmen, y should include townsmen,
s farmers. farmers.
the stock and divide the other on patronage.
Tho these might be added that a store Tot the ine governed on the one-man-onerinciple, and should apply at part of the profits as dividends hases of stocl, thus greatly in-
the working capital. This last ih has been one of the foremost
Finklish in the marvelous success of the
gard is given to these principles there is tho doubt that a fair degree of suc-
cess may be obtained cess may be obtained.
In order for co-opera
assachusetts, in 1864, many attempts se been made to establish co-operace stores on the Rochdale plan, which
d been so successful in Great Britain nong the organized attempts on a rge scale may be mentioned that of vereigns of Industry in 1874, the ovights of Labor in 1882, and the varins efforts of the Farmers' Alliance. the stores fosted by these organized efforts remain.
Amoing a less extensive territory, may mentioned the Kansas State Co-ophe Washington State Co-operative nion, in 1903; and the Right Relaonship league, in 1900. Of these, permips the last is meeting with the greatst success, its efforts being limited ainily to Wisconsin, Minnesota and tote will $\overline{\text { Ex }}$ that to sto the of any such wide-reaching scheme of federation. Efforts to establish such federation in this country have thus far feder with comparatively little success

## Results With 125 Stores.

In an investigation of the co-operathat:
The number of co-operative stores is about 125 and is changing very little. The figures for 1914 as compared wfth 1913 show an increase in the aver age gross sales a store, which, however,
may have been due partly to the prevailingly higher prices. The ratio of profit to sales increased appreciably.

About two-thirds of the companies reporting regarding the distribution of profits pay dividends, but of these considerable fraction pay on stock oxates a slight tendency toward increasing stock dividends at the expense of trade dividends.
For all stores adequately reporting, the average gross sales in 1914 were sales was 11.7 per cent, and the ratio of net gain to gross sales 4.5 per cent. If the success of co-operative stores be measured by the ratio of net profit to gross sales-which is an approxi-
mately correct measure in view of the mately correct measure in view of the general policy of selling at competise
prices-the following conclusions as to prices-the following conclusions uport success may be trawn from an analysis success may

## Fair Ratios.

The factor showing the greatest influence is the ratio of total operating expense to gross sales. The lowest ratio is not always the best, but a fairly low ratio goes with much higher profits than a large ratio. The most satisfactory ratio appears to be about 10 per cent.
The rapidity of turn-over of stock greatly influences success. The largest net profit was found where the gross sales were about three times the inventory, and the lowest where the gross sales were one and three-quarters times the inventory.
Rarely does a co-operative store sufer because of too much paid-in capital 30 per a f gross sales apors to 30 per cent of gross sales appears to
be the most satisfactory. Stores with a relaty large indebtedness are gen erally decidedly less profitable than those with a small indebtedness The size of the business has
iderable influence upon success, alth some successful stores are found in groups of $\backslash$ all sizes. Broadly speaking, the larger stores are the most successprofits.
In a business of a given size the most efficient management is secured by the managers with the higher salaries. profit to pay higher salaries but also show a higher net gain over and above

(0) $\mathrm{B}^{\mathrm{E}}$EFORE buying a corn planter consider this fact-accuracy is essential to the biggest yields. An inaccurate planter covers up its mistakes. It does hit-and-miss work. It is a "thief in the field" and you don't realize how much it has stolen until the corn plants are above the ground and you compare the results with those obtained by using an accurate planter. If it misses only fifteen kernels in every 100 hills there is a loss of five bushels per acre in the yield.
You can get;a planter the accuracy of which is proven before it leaves the factory. That planter is the

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## The Accurate

"Natural Drop" Planter
The same accuracy that you would get if you painstakingly counted out the kernels of corn and dropped them by frand-that is the accuracy of the John Deere No. 999 Planter. It is the accuracy of the hand planting metho mechanical devices.
John Deere Planter accuracy is the jesult of 50 years' experience- 50 years of thought, of study, of experimenting with that one goal always in 1y been styled the "super-planter" Careful design and workmanshitp Careful design and workmanshitp have made possible this high degree of accuracy. Each kernel enters the
cell in the seed plate in a natural position. The sloping hopper bottom feeds the corn to the cells whether the hopper is full or nearly empty. It is the most simple, yet most effective planting mechanism ever used on a corn planter.
You Control the Number of Kernels Per Hill
Without changing seed plates or even stopping the team you can plant 2,3 or 4 kernels in the hill, land will sustain. Merely shifting


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the foot lever varies the number dropped and you can change the drop as frequently as you desire. when is just as perfect and well protected as the gears on the best automobiles.
You can also drill corn with the John Deere Planter. Change from iilling to drilling or back to hilling is made instantly by means of a foot drop lever. Not necessary to ger off the seat or stop the team. The drilling distances without changing seed plates.
You will appreciate the substantial front frame of this planter; the dis marker without any troublesome ropes; the underhung reel, easy to put on or remove; the great variety of seed plates for handling variou sizes and types of seed and the quick detachable fan cea fich wiso with various pea att
types
Valuable Books-FREE "More and Better Corn." Beaupages of interesting and valuable pagermation for every corn growe Tells how to prepare the seed bed select, store and test the seed, show the dollars and cents gained by ac curate planting, explains just what is meant by accuracy in a corn planter, and describes the latest apd best method of corn cultivation.
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The Globe is the only attachment made that you can change from a home in the barn at night instead of leaving it out in the field in all kinds of weather. It has the fellowing Superior and exclusive features. It is not necessary to remove the car wheels or fenders. The Speciai cooling system will positively keep the engine from overheating at all length of the car and fastening onto the the frame extending the full frame of the car. The Tractor wheels are attached to and not onto the and not onte the spindles of the automebile. Iou can raise the tracter wheelsoff the ground and drive from the house out to the field or any phace you want to go. Write for catalog and full information.

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## WD wiles

Datro that tout ind dopme Dercot tritior smayhe Proparot mixd ary had intro orbiarid martor mowon Makito tor oid


## Here is a Real

" Hos BY EDWARD COOK

THE breeding of hogs if rightfully ing and development; we must
followed, is an art. It may sink as to develop to the fulles very low, but if the knowledge and all of the breeding organs an power, which are free to every breeder best possible condition to dev
whe chooses to make them his are unborn litter An properly applied, the breeder will not be remember is feeding for dev The great law of nature is that, "like to the rations must be so ba begets like." Every animal under ordi- and expenditure of energy by nary conditions brings forth after its . The most important constituen own kind. The first question that con- ration is protein, it must be sup fronts us is the relative value of two some form to fully develop all animals that are to be mated. We have organs of the body. There is the two animals and from their union ration, and what may be m
springs-a third. This offepring is the nomical this war springs a third. This offepring is the nomical this year may be mos is a result of an equal influence of male A good ration
tion. In a But there is always-varia- corn and I part consists of In a litter of pigs we may ex-corn and 1 part oilmeal. the dam. The union of sire and some taining about twice as much $p$ produce some that are near our ideal, from ather feeds such as we This normal variation gives opportunity middlings, alfalfa, milk; or ior selection and improvement. Hered- dlings. Rye middlings or chep s in animal breeding. We work on the feeds properly balanced, with ing operations, always selecting breed- exercise, whieh by the way is ing operations, always selecting parents, portant, are essential to the few objectionable points as possible. If the animals desirable We must do this if ony improvement in the offspring is to be expected.

About the Breeding
An animal is the sum product of all ents contribute between them one-half the characteristics, the grandparents has some influence, but the influence after the sixth generation diminishes rapidly. It is those animals close up
rather than far back that determine the character of the offspring. Conse quently we must give closest attention Every animal inherits all the charac ter of its two parents, but a great ma-
jority of these characters never develo visibly in the animal, but lie undeveloped, and may be transmitted on to ble characters. This accounts for animals being totafly different from their parents, but resembling remote ances
We have seen from the law of heredty, that an animal is of very complex composition. Hence the uncertainty of ancestors are striving for mastery, and we never know which. will predominate
in the offspring. As the result in the offspring. As the result no two
animals are alike, variability must be expected. But this variation is a source of great strength to the breeder. Without variation no improvement would be age type and the offspring both above and kelow that average. Then the
breeder's task is to select the animal breeder's task is to select the animals,
above the average and breed from these. above the average and breed from these.
The whole keynote is selection, continuous selection, which is the most powerful means of improvement, and is the only means of permanent improvement
under the breeder's direct under the breeder's direct control. But
béfore selection could be carried on intelligently, an ideal type must be telligently, an ideal type must be
adopted. The selection of the sire we consider very important, as he is even our selections, and mated them the next question that confronts us is the feed-

## Back <br> Into the Fence Corners

 -PLOW All the Field

Hse Rock Island Tractor Plows mot ger food siowing no natur. what


## E


 back into the efence corners, dropthe plows and go ahead
There's hardly an inch of the field that we canot use ane we dor't lose a minute in fiet that we cannot use,
and from orie field to This is the Heider Model "D" 9 -16, with Rock 1siand No. 9, two
 White FOR cataloa telling all about it and the other big
 gears, fewer parts-low upkeep cost. Proven by ton yoarra
notual fold worko


## Consider the Corn Yields

HIS YEAR with the great demand University of Illinoif Fiows $t=0$ and high price for corn, the care low cultivation gav 20.3 buye an of the crop should be better than acre, while deep cul ${ }^{2}$ ation tis same duced should be one of the most de- 3.6 bushels in favor
pe possible for the crop. The fall tion
ing should be worked early, deep,
eral times before the corn is
Land to be spring plowed, es$y$ stalk ground, should be disk
and as early as possible. the plowing is done, the n should be kept in mind, and all c material turned under so com$y$ and to such a depth that it will The working of the spring plowed ith harrow and disk is of the utuportance. Remember that corn $t$ on a firm, mellow seedbed. ultivation should be of such a acter as to provide the best survithout injuring it in the least.
Weeds Capse Most Injury.
most serious thing in the growing
crop is the injury by weeds. dollars are lost in Kansas by the growth of weeds in elds, and a form of cultivadoes not kill the weeds is not ted to a farm that will grow
all of our farms do. University of Illinois, plots well prepared for corn, but in
weeds were allowed to grow, Weeds were allowed to grow,
7.3 bushels an acre as an 8.3 bushels an acre as an 8 -
age, while plots just by the the ground prepared and the ated in the same way, but the pt down by seraping with a 38.6 bushels of corn an acre. hows the necessity of keeping the down. The best yield that was gow was 16 bushels an acre, while largest yield where the weeds were
pt down without producing a mulch 70.5 bushels. Killing weeds is the fields of the Middle West.

Do Not Injure Roots.
Another very important principle to that no injury be done to corn roots. proximately three-fourths of the roots the corn plant develop in the plowed Many of these are not more than neles deep. They usually start from depth and gradually go deeper as the tance from the hill increases. The in this. It would be well for a e in this. It would be well for a the work that is being done with corn roots. If it is, the thing is to cultivate shallower, and if to cultivate shallower, and if ill be done to the corn roots,
will be be economy to throw this cultivator that runs more
nehes in depth is bound to inin depth is bound to in-
tessen the yield of 1 after the first cultivation after the first cultivation depth, and there is no for the average season the be decreased materially by


Behinind the Plovy Can be Just as Much of a Patriot as the Mau Behind the Gun. Do Your Bit by Increasing the Corn Yield.


## The Miracle of the Marne

The batte of the Marne halted the iush of the Germans towards Paris. It aroused the French to superhuman bravery. They fought as if led by the spinit of the Maid of Orleans herself.

The Marne was a demonstration of the powè of patriotism with its back against the wall. The same sacrifice of self, the same love of country and unity of purpose that inspired the French people must inspire us, and we must win the war.

We are sending our best manhood to fight for us. They must be armed, fed and clothed, cared for through sickness and wounds. This is the work of every individual as well as the Government.
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## (II CHICAGO <br> Your Cornfield Tells the Story <br> What greater satisfaction is there than to see 2,3 or 4 sturdy plants in every hill, just as you planted them? That is the kind of a start your corn crop gets when you use an International or C. B. \& Q. Corn Planter. These machines plant corn accurately, whether used with edge drop, flat drop, or full hill drop plates; whether the corn is checked or drilled. The drop clutch can be changed, while the planter is working, to drop 2, 3 , or 4 kernels to a hill. The the planter is working, to drop 2,3 , or 4 kernels to a hill. The tongue is easily adjustable to the height of the horses. A handy foot drop lever makes head-row planting easy. don't miss the automatic marker, a hand or C.B. \& Q. planter, a lot of work and time. There are fertilizer eature that saves you want them, combination pea and corn-planting honts if open wheels or closed - your planter will be equipped you want it. You can plant rows 28 to 48 inches wide by inch adjustments, with four distances between hills. These planters are so good you will want to know all about International Harvester Company of America <br> U $\underset{\text { Osborne }}{S}$ A Champion Deering <br> McCormick <br> Milwauke

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## Let's Pùt 'Er Over the Fence

There's Still Time to Hit a Home Run in the Club Game BY JOHN F. CASE, Contest Manager

WF OULDN'T it be fine if you could award. Lester was one of the ton ot many of us have the ability producers. With nine Poland or the opportunity to do that, but to and showed a net profit of $\$ 24 \mathrm{~s}$. earn $\$ 100$ one must first have the op- profit estimate made in December portunity to work for it. This is the doubtedly was low. In a lett last call for membership applications ceived this week Lester tells me will not be printed in the carmers he sold every one of his pigs for breed Mail and Breeze again. The boy who more. His excellent record sold many
 signs the applica- the boys who enter gilts have an oppor and hurries it in ter this year. He should do even be to me still may Lester won one of the 15 prizer have an oppor- fered, which was better than about tunity to earn other boys could do.
100 this year. Second in pork production and prof average earnings topher had a Duroc Williams. Chrisfor thernings topher had a Duroc sow and with ser club were more pork entered produced 1,420 pounds than $\$ 100$. I be- Richard White, 1916 net profit of $\$ 2$. ieve we will who also is president 1917 member, equal that amount who also is president of the Duroc this year. One test. He produced 1290 thing sure, if you pork and showed a net pro
 In many counties the membership still is incomplete. Sign the coupon and send it to me without a minute's delay. If your county membership is complete you will not need to hustle recommen-
dations. If there still is a chance I will send the recommendation blank back to you in the very first mail.
like to be leaders, have been hustling like the mischief to complete the meng bership where only two or three boys are needed. I do not think there is anything unfair or immodest about a would like and telling me that he if chosen he will go the limit in making his county a topnotcher. A few boys have done that. Nor am I displeased when some boy writes and tells be the proper person the friend would made few mistakes in selecting county leaders last year and we county make few this year but I want to to cure every possible bit of information about boys who have the quality of leadership. Training boys for leadership is, after all, the biggest thing we are accomplishing in this club work. The boy who discovers that he has the ability to lead never will be an "aver-
age" boy again, nor will the boys who age" boy again, nor will the boys who
associate with him and get into the real spirit of county pride ever be "average" boys. In fact we have mighty
few "average" boys in the Capper Pig Club. The "average" boy hasn't pep enough to get into the game
To prove that pep, business ability, good combination countre pork make a number of the prizes last vear. One of the live wires of the club was
Lester Stout of Cottonwood Falls, Lester Stout of Cottonwood Falls,
Chase county. Lester had the winning spirit. He was up on his toes thruout found that some of sulk when he were a few points ahead competitors in Chase county turned in a report boy if all of them had shown as much and as Lester did there might have been a different story about the pep trophy

## THE CAPPER PIG CLUB

John F. Case, Contest Manager, Capper Building, Topeka, Kan. I hereby make application for selection as one of the ten rep
 mendafions and if chosen as a representative of my county carefully follow all instructions concerning the club work and comply with the contest rules. I promise to read articles conc ing pig club work in the Farmers Mail and Breeze and will m every possible effort to acquire information concerning the breedi care and feeding of swine.

## Signed

## What Food Control Means

## The Administration Has Certain Definite Duties

THERE APPEARS to be a good 1 deal of misinformation circulated amongst the agricultural commuFood Administration with relation to price fixing. I wish to say at once, and
emphatically, that the Food Adminisemphatically, that the Food Adminis-
tration is not a price-fixing body except tration is not a price-fixing body except
with regard to certain commodities with regard thich are today dominated by wholly abnormal overseas commercial relations, and the surrounding factors with regard to which are such as to project community and at the same time the consuming community.
The two commodities under regulation are wheat and sugar. With the further exception of cases in which it has intervened purely as a friendly intermediary between organized producers and consumers-as in city milkthe Executive Department of the government has no authority and no deire to fix the prices of products of griculture.
seems necessary and desirable to -state the reasons already referred to by the President which render it necessary and possible to undertake the ontrol of the marketing of these two
ommodities. The economic forces commodities. The economic forces
arising out of the war, which have arising out of the war, which have
necessitated this action, are in the necessitated this
main as follows:

1. All of the overseas shipping in he world has been placed in governcontrol and the volume of this equence there is no longer any free hay in commercial overseas traffic as he governments involved must desigate what tonnage is to be assigned to ach commodity and each class of traf-

Inasmuch as normal commercial varseas traffic has broken down, it ments in Furope to set up single agenies for the purchase of the whole of ir food supplies from abroad. herican wheat their purchases are of -and this is the only agricultural -and this is the only agricul

In the face of a necessary duty o reduce otur consumption of food-so badiy needed by the allies-it has been rision of these two commodities in the common interest of the war, and to ontrol the reduced supplies internally, in order that all persons may be treated alike-rich and poor-and this implies a control of distribution and

## Control Measures

As stated, practically the only commodities in which these new economic
forces dangerously involve the United States are wheat and sugar. All control measures are the less of evils. In wheat we were faced with a single
akency whose proportionate purchases to the total were such as to dominate the price. Any relationship with this their operations officials in limiting lutely price fixing, and it becomes at oree a question as to whether it should producing community, or and done secials, at the will of government offiFiuthermore, in the ordinary course goes to wheat marketing, the wheat goes to the markets during the first
four months of the hardest vear and during this period, were no control esbhished with the allies and neutrals, export from the United States such aportion of our wheat supplies as to
lesive our population short of bread. It has therefore been necessary, in the thaterest of the American consumer, that the government should intervene
to protect his supplies. to protect his supplies. Again, in the
face of this abnormal situation, the the compat whearketing machinery of To have attempted the normal paralyzed. of marketing thru the boards of trade of marketing thru the boards of trade wheat protect their operations by sales of futures, involved operations by sales of speculations, nor did the exch neries themselves wish to be the cuater
around which such speculations should take place. Every action of the Allied buyer, every rumor of peace and wheat supplies in Australis large monthly shipment of wheat abroad in the depletion of national supplies, would have been the center of speculation and the cause of violent fluctuations in the exchanges, of the same character that occurred during the last five months of the 1916 harvest year, when, altho the farmer had marketed his wheat at an average of $\$ 1.44$ a bushel, the price, due to these very causes, at one time rose to more than $\$ 3$ a bushel, and flour to more than $\$ 17$ a barrel.
In these circumstances an independent commission- was appointed by the President, upon which the farming community was represented by six
members out of 11 , and this commismembers out of 11, and this commisprice of $\$ 2.20$ a bushel for No. 1 Northern wheat, based on Chicago, as a market center, and in coming to its conclusions this committee considered the necessity of giving to the farmer a price not only covering his cost and normal profit but also a price that would stimulate and assure future production. That their judgment has proved correct is evidenced by the fact that 42 million acres of winter wheat have been seeded, being an increase of about 2 million acres over any acreage hitherto known in our history and some 7 million acres over the pre-war
average.

Basic Prices
Having established the basic price of this commodity, the Food Administra-
tion has followed it thru the manufacturing and distrit uting trades with lacturing and distrithitions is to the profits to be limitations as to the profits to be
earned in distribution and has thereby brought this prime commodity to the door of the consumer at the least possible expense and at a margin between producer and consumer less than normal. The same situation confronts the American farmer and the American consumer in wheat for the next harvest year.
In the
In the matter of sugar, the same economic forces are in action to dis place normal traffic, except that in this case the American people are purchasers abroad of the large portion of their supplies. In addition to the necessity for governmental action to se-
cure a fair division of the available sugar to the American people, it has sugar to the American people, it has
been common business prudence to join been common business prudence to join
with the Allied governments in a definite contract with the Cuban author ities as to price, rather than leave it to the fluctuations which would arise from short supplies and irregular shipping facilities. Where the various ar rangements made have involved the interests of the American sugar pro ducer they have been made in consultation with him and with his co-operation, in order that he might be protected in his industry. In this case, as with wheat, the distributing trades have been placed under regulation as to the profits in distribution of a staprotected as to price. protected as to price
The only other situation where the Food Administration has interested itself in the prices of agricultural products has been in instances such as
milk for the cities, where the promilk for the cities, where the pro-
ducer. was himself organized and was incer. was himself organized and was
inflict with the consumer, and where these conflicts promised to work hardship on both producer and consumer. In such cases the Food Administration has acted merely as a friendly agent in securing a settlement. In all such cases the producer must necessarily be at contracting party and therefore must be satisfied with the arrangements made, and no such negotiations have been undertaken by the Food Administration except at the A similar case lies in the purchase of pork products by the Allied governments, which while not sufficiently large to control the market, yet could affect the price. In this instance, repwere called together and upon their


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There are many other reasons besides this wonderful interchangeable traction feature Acme.

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## To Grow More Good Berries

Careful Cultivation Will Pay Well This Year

M
ANY GROWERS of blackber- is a distinct loss to the plants at this ries and raspberries have be- time. Plow and prepare the land as come discouraged in the last few years because these crops, no the expression goes, in their localities. This has indeed happened, but it is not to be blamed to the "running out" of the variety but to other perfectly definite, altho not always obvious causes. The prevalence of diseases on these
fruits has inereased - greatly, due to the dissemination of infected nursery stock and to a general neglect of the
plantations, and is responsible in a large measure for and failure to use manure or other ertilizers have all had their direct their indirect effect in encouraging a development of diseases.
The most careful attention should be given to the purchase of nursery liable plant men whe have most tion to sustain is a safeguard. Youns plants should not be taken from an old plantation unless one is satisfied that the stock is not diseased. Spraying
will help to keep the plants healthy but is a preventive measure- rather than a specific remedy. Cutting out all the old canes as soon as the crop simple but important control measure. It also seems advisable to rotate the patch more frequently than has heretofore been practiced. Aim to give the plants excellent care so they may a tain maximum production early, and and become diseased, start the new
patch always on a fresh piece of land. Brambles are moisture and humus
loving plants. They naturally thrive in moist locations where leaf mold is abundant, as in old fence corners and clearings in the woods. They may be
grown, however, on almost any well drained soil, but the fruit does not attain its maximum size and perfec clay subsoil is an advantage on a count of its moisture holding capacity. of soil are better adapted to black berries and the lighter loams to rasp-

## The soil can be improved greatly by liberal applications of barnyard ma nure, which is preferable to using com mercial fertilizers exclusively. In blackberry and raspberry culture, moisture is more frequently the limit ing factor than plant food; hence it becomes highly important to improve the moisture condition of the soil. This is exactly what manure does and comis is exactly what manure does and commercial fertilizers do not do. Ma- nure adds humus, which greatly increases the water holding capacity of the soil. Manure may be turned under when preparing the soil for planting <br> $\qquad$ planting. Plants may be set 3 or 4 feet apart in rows 7 or $S$ feet apart.

ent manner, but in field culture the which makes the work much more rapid. The important thing is to set and firm the earth about surface roots, leaving the plants set tight in to be preferred, but if fall planting is with the plants should be mulched Lack of cultivation is a
Lack of cultivation is a common sas. Dry weather about the time of ripening, especially of blackberries. is
not unusual in this state. Withost proper cnitivation the berries soon go
to "nubbins" and become dry and tasteless.
Earliness of cultivation is important. If plowing is delayed until late, many of the new feeding roots which already
have developed will be cut off. This
eariy in the spring as it is fit to work; then keep a dust mulch on the surface
by frequent cultivation. A smaH, berry cultivator is suitable for this purpose. Deep tillage is not desired; it should be just deep enough to break the sur-
face crust. Remember that frequent cultivation will help to secure large, perfect berries thruout the season.
A cover crop of some sort should be sown in late summer. Probably millet for this purpose is as good as anything. It supplies one of the best leaves the soil in particularly fins and dition for spring particularly fine con cellent winter surviving Rye is an exdifficalty is experienced in turning it under and getting the ground in condition afterwards.
Where straw can be procured of cultivation. A may take the place or cultivation. A deep mulch will confectively as cultivation and very satisfactory as cultivation and very satisshould never will result. The son either a mulch or cover crop may give The trai
The training of the canes is a matthe individual grower. There are of considerations, however, There are two not be lost sight of. The plantation should be confined either to hills or narrow rows. all suckers or new plants which arise outside of these onfines should be destroyed by hoe tion the patch will soon become thicket. When the fruit has been harvested, the old canes should be cut a he younger o develop but also arently oppores the hance of infecting the new rowth with any diseases which the old canes WTen
When the plants are grown without artificial support it is helpful to pinch off the tips of the young shoots in the height

## mediat

gg the but shoots to push out, mak-
elf-supporting lower and more nearly
if the shoots are not pinched when young, it had better not be done at all. sate cutting often results in
spindliry 1
Providing

picking convenience in cultivation and

```
ning the length of the row and about
```

$\qquad$

an the may be propagated from sucke readily tran-planted. These fruit ings made in the fall and stored in well the cellar or buried outside in size of a mont roots about the Tese are planted in pureery ine spring The black raspberry is propagated
rom stolons or rooted cane tips. In te summer the long canes trailing new plants. In the spring these can be evered from the parent plant and It is seldom that raspberries or lackberries are bothered by leaf-eat ver, they may be poisoned by spraying he bushes with arsenate of jead, using pounds of paste or 1 pound of powThere are two borers which attack aspberries and blackberries
rown borer generally is found ng in the roots or near the ground young canes early in the summer moth laying the egg girdles the near the top, causing it to wilt arop off above the girdle. remedy

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Seed Corn Seed Oats PLAINVIEW HOG AND SEED FARM four SEED CORN NOW: AYE BROS. Holsinger Bros. NURSERY
Extensive Growers of General Nursery Stock
$\qquad$ ney-omat saving prices FREE
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## Preparing for Baby Chicks

Capper Poultry Club Girls are Receiving Orders

GATHERING eggs from their con- slip the window sash in position, regu$T$ test flocks is filling Capper Poul- lating the air space according to try club girls with delight. Soon weather conditions. Regulation is they will be overjoyed with their made by raising the sash or 100 chicks at $\$ 15$ has already been "These boxes can be left outdoors in given me." wrote Velma Bilhimer, that the coldest weather, and the chicks given me." new member in Hodgeman will grow strong. This is not a theomuch recently." "You see I am com- of raising chickens.
much recently," she continued. "I put "The feeding of baby chicks is often in ad in the paper that I would have a problem. To make strong healthy little chicks to sell and in a few days chicks we feed a baked ration consistI received the order."
Then there's Letha Emery down in meal, a little soda, milk and eggs Crawford county who received more which test infertile at first testing. than 60 eggs the first two weeks she We bake this for several hours in a had her pullets penned and who is slow oven and feed it to the chicks saring eggs from her contest flock to three times a day, giving them all they sat in an incubator.
It isn't too early to be planning for fresh water and exercise the chicks It isn't too early to be planning for fresh water and exercise the chicks all contest chicks must be toemarked short time.
so that you can tell them from the "After the hen leaves her brood firm flock. To toemark the chicks ob- which is usually in from six to eight


A Shawnee Booster.
tain a toemarker from a poultry sup ply house or mail order house. They can be purchased for 25 cents. Puncme the web of the chick's loot. To the chick any more pain than pricking the chick any more pain than pricking
the outer skin of your finger would the outer skin of your finger would
wise you. Of course if you wish, you may use leg bands for markers, but this will give you more trouble as the hands must be changed as the chicks grow or they will cut their legs.
When I attended a meeting of the Kamsas Woman's Farm and Garden wished that every Capper Poultry club member could have been there. The place that chickens are going to take in increasing the food supply of the Cinted States was brought out emphatically. One of the speakers, Mrs. Charles Luengene of Topeka, a successfin points aboultry, gave many helpchicks. All of the chickens of baby farm. Mrs. Luengene said, are her hatched. Until the hen is ready to ave her brood Mrs. Luengene uses healthful considers to be the most heathful and simplified method of aring for them-a box with a glass Here are Mrs. Luengene's instrucHos: "Using a box 2 by 2 by 3 feet, rapping paper or ruberoid, leaving rapping paper or ruberoid, leaving or the window sash; then place the ash in front of the box and you are "Put for the hen and her brood. $x$ : place the hen and her chicks in, feed in straw litters and let the chicks feed in straw lit
The picture used in this week's issue shows Gwendolyn White, a new member of the Shawnee county club. to see her county push ahead and her father is helping, too.
"This is how I happened to choose, Rhode Madge Slater of Lyon county, president of
the Rhode Island Breed club. TWo years ago last fall I entereed my canned frult and
jelly in the county contest held in Lyon jelly In the county contest held in Lyon
county and recelved frit prize which en-
itied me to a trip to Manhattan for a week
with all my expenses pald. We went durWith all my expenses pald. We went week
Ing Farm and Home Week. Iook some of
my frult and jelly and won first on my jelly and second on my frult makting $\$ 7$ I
earned there besides my trip. I was undeearned there besides my trip. I was unde-
cided what to do wlth my money. I had al.
ways ilied poultry and heard the Rhode Ways liked poultry and heard the Rhode
Island Reds were good chlakens and good
layers so I bought nine hens and a rooster.
ralsed 19 of my contest chickens-17 pulayyers so 1 bought nine hens and a
Iraised 19 of my contest chickens-
lets and two cockerels.

## Extracts from Letters

ene

Bertha G. Schmidt, Secretary, Capper Building, Topeka, Kan.
I hereby make application for selection as one of the ten representa-
 and ir chosen as a representative of my mount I I will carefully foilow all
instructions concernine the club work and will womply with the ont elt rules. I promise to read articles concerning poultry club work in the Farmers Mail and Breeze and will makke every possible effort to acquire
information about breeding, care and feeding of poultry. Signed

Two of my cockerels brought $\$ 2.50$ each
and one of them $\$ 3$ I Inave disposed of all
of my surplus. stock now.-Naoma Moore, Stafford county stock now.-Naoma Moore As I read that you want pletures of the
new members, I am going to have someone new members, 1 am going to have someone
take one of me with my camera. I am trying to get some new members for my county.
Kathryn Vandeveer Clark county. My nine cockerels brought \$24. I think girls in the poutry crub county.
Irary Normile, Donphan count
I club more and more every day. Did we ever
get so many eggs before during the winter?
gha should say not. Why? Because I take an
Interest in chickens. Any amount of effor
is repald in gathering the eggs. It is much fun to get lots of eggs. Mabel Peter
son. leader of McPherson county. Papader has finished my-chicken house and I
Intend to pen my chickens soon.-Lare intend to pen my chickens soon.-Lare
Rolph, new member of Cloud county
As my pullets start laying I put leg band on them and put the number of the bands
in my book. In that way I can tell which
are the best in my book. In that way I can tell which
are the best layers.-Ollie Osborn, leader of
Johnson county. Evelyn Starkey, my nearest girl nelghbor,
whom I asked to be a member of the Cap per Poultry Club, has declded to join. I ar
going to try to get some others because want to try to geonty to have a complete mem-
wership. Marle Houghton, Greenwood county, I am still trying to get new members.
Dorothy Myers has promised to join and I
hope to send another name in before long hope to send another name in before long.

- Bessie Sell leader of Wilson county.
I am sending my application and hope it I am sending my application and hope it
will reach you in time so I can be a poultry
club member. I will have as much pep and margy as possible and will do all I can to counties of the state. Two poultry club
girls live just a mlle from me and the
county leader, ollte Osborn, IVves about thre county leader, OH14e Osborn, HVes about three
miles from ry home. WV. WHII all work and
boost together. Myrtle Buckingham, Johnson county. pixed my little hen house and he
Papa has
made a park for the chickens. He has also pace the hen and her chicks in, put the nests in. I hope the pullets will


## The Capper Poultry Club

"Well, I suppose you want to

## borrow my 'Better Farming' again



# DISSTON SAWS AND TOOLS 

## You need a Disston Hand-Saw

A good farmer has to be a good carpenter. A good carpenter must have good tools. You rieed a good hand-saw as much as you need a good plow. You will make no mistake if you buy a Disston hand-saw. It is the choice of more than 75 per cent of all carpenters. We have been making Disston hand-saws for 78 years, and have guaranteed every one of them perfect in material and workmanship
Unless you are familiar with the smooth-cutting


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 On My New 90-Day Trial 0fferI have NOW made it possible for every man to own a HighGrade WITTE Engino on practically his own terms, saving from \$15 to Take your choice of four plans of payment-choice of enTake your choice of four


## Money from Dairying

## Keep the Dairy Cows

## by frank m. Chase

Dairymen have a more serious problem in producing dairy products at a profit of dairy feed prices is accompanied by no similar increase in the prices of dairy products." "During such a crisis as the present," explains Prof O. E. Reed of the Kansas State Agricultural college, "milk, butter, and other dairy products have
aiways been the This is due to the fact that these proal. ucts are perishable and cannot be stored for any, length of time. When dairy products do increase, havever, they are the last products to be reduced in price." Disposal of the dairy herds at this time would afford but temporary relief.
Prices of dairy prodvets Prices of dairy products are certain to undergo readjustment, and when they
again hold a relationship to the cost again hold a relationship to the cost
of production that leaves room for fair of production that leaves room for fair
proitits many dairymen will wish to re profits many dairymen will wish to re.
establish their herds. Very likely it will esta mish heir herds. Very likely it will
be more costly and difficult to obtain goo more costly and dirn cout stock than now. The log.
goal thing for the ical thing for the dairyman to do is to
hold on to his cows, as this will be cheaper than restocking later, after sacrificing perhaps years of effort in grading up a herd. The country, moreover, must have dairy products in greater abunuance than ever. In the long run
it will pay, both in dollars and in panothe ro retain the dairy cows now on the farms.
Until the readjustment in prices of dairy products comes most dairymen will find it difficult to bring their herds thru
without finanaial loss. They can do so only by a close stady of their business conditions and by putting their operations on a basis as highly efficient as possible.
It will pay to give the matter of feeding particularly close attention. Nutritive values should be considered carefully that buyers may ebtain the most value
for their money. Feeds are too costly to waste part of the ration beeause the rest of it does not harmonize with the irst part. ©o armer wishes to waste
costly protein because the carbohydrate costy protein because the carbohydrate
content of the
ration is is insufficient to balance the nitrogenous content; or more an insufficiency of protein.
For thousands of dairymen feeding for the maximum prodiction will be impos. the largest return for the feed consumed yy their animals. Except in feeding for igh records this is the better plan anyway. It is just one more of the im.
provementes in farm methods being rought by the war which it will be profitable to keep after the guns have
Homegrown feeus, generally speaking will admit of the most profit, as these cost the dairymen less than those pur-
hased at he feed store. Dairymen hard. y need the suggestion that it is to the
shaped their farming plans wisely have on hand, except in unusual cases, prac tically enough such feeds to carry their has plenty of corn silage and alfalfa, for instance, can afford to be much less conerned over soaring feed prices than his eighbor having neither of these cattleeeding standbys. Fed alone on these e maintaing feeds dairy cows cannot only may yield profitable quantiter, but also and butterfat. Cows fed on such milk tion doubtless. would not yield to the maximum of their ability, but for average herd, in the hands of an average eeder, we would hesitate before naming another ration that would result in more profitable production for the cost the feed given.
ccount that cannot give a profitable of peace certainly should not times rated now. Stall-room for her is reak in our line of tood preparedness, loss. By all means get rid of the boncial cows this winter. If they ate their heads off before the war, as has been commonly said, they will consume them. selves entirely under present conditions Their meat value is now closer to their airy value-in many cases being higher than ever before. Never has a better time appeared for dairymen to exchance

## Dairy Profits Still Good

Our small dairy herd consists of nime high grade Shorthorn cows. Four of cows get about first calves. These corn and cob twice a day, with corn odder in the morning and alfalfa hay t night. I consider crushed corn and ob meal a ine feed as there is very is too high when fed this way. Feed farm with 10 waste now. On any be saved on the feed bill to way for rinder.
Our cream checks from these cors ire us an income the year aromm nutterides we have all the milk and buter we care to use. But the cream heck is only part of the retums. mone are the calves, which grow separated milk mated a fine feed the pigs, and then there is the man with which the dairy farmer can build up his land.
If a man is so situated that he can of wild and the other of tame grass, will find this a big advantage thru the summer. The kind of tame grass to grow depends on the locality. Wi the two pastures the cows may be changed from one to the other, thos supplying good pasture most of the summer. The man who has the hell the the cows, and the grit to stay wi the dairy business, is the one who "1 sidered, most from his farm, size sidered, one year with another.


## Facts About the Farm Dairy

## Figures Prove Dairymen Aren't Getting Rich

 BY C. E. DRIVER$\Gamma_{\text {th }}^{\mathrm{HE}}$ IE ADVICE to eat other cereals taxes and interest, real estate insurance than wheat and other fats than equipment, taxes, interest, bedding, ice, are grown up strong and vigorous. grinding, cattle bought, rent, express, the children of the country are salt, stock food, fees and dues, power strong, they must have milk. and fuel, equipment purchased, deprere, the need of conservation of ciation on buildings, depreciation, on more fundamental than that of equipment and some miscellaneous costs. or fat," remarked a well known The credits consist of manure, cattl ty on the milk situation And sold, milk and increase in inventory, tion results of an extensive ex. After compiling the figures obtained it carried out at the Wisconsin in this survey theme was represented a Itural Experiment station it was total production in this vicinity of that butterfat in milk contains nearly 650,000 gallons of milk for the


When the Farm Boy Helps.
the young mammal. N of vegetable or animal origin se the place of the butter fat. dact that few consumers as to the nation's mik supply ecent controversies about the the farmer and charged the Withoat attempting. t und greed, I wish to submit a is committees have been ap. our large cities to investigatef milk, production. Farmers
gly submitted their figures ngly submitted their figures ut in all cases these have ling to localities and condi-
time, labor, money and detime, labor, money and de-
ve been saved the cities had ae been saved the cities had
advantage of figures advantage of figures profarm management departur experiment stations. From
tements they could have obrements they could have obfiguring fat in costs for years. ividual farms but have taken om every type and every size located in as many different
These figures have been acpiled and only correct aver1 in figuring total costs.
Results of Surveys.
of the big producing commumit. Louis, a survey was made the cost of milk in December, or the benefit of the consumer miention a few of the items of it enter into the expense of milk in. First, we have the feed cost includes corn, bran, cottonseed iseed meal, gluten-meal, hominy rarious other concentrates. hage such as legume hat, nenhay, fodders, silage and pasture. ome the various costs such as osts and allowing all credits, it was costs and allowing all credits, it was
found that the milk in this locality cost found that the milk in this locality cost
the farmers an average of 29.1 cents a the farmers an average of 29.1 cents a
gallon or $\$ 3.38$ for 100 pounds. The gallon or $\$ 3.38$ for 100 pounds. The average price on the St . Louis market
was at that time $\$ 3.20$ for 100 pounds. In New York, figures submitted showed that milk could not be produced in that section and sold at a profit for less than $\$ 3.72$ a hundredweight. In Pennsylvania, it was agreed that a fair price for the producer would be $\$ 3.86$ to $\$ 4.66$ a hundredweight, depending on the quality of milk delivered.

## "Camouflage."

Now it may seem queer that many farmers in the dairy business are apparently making money while figures
show that milk is selling below the cost show that milk is selling below the cost
of production. When I asked a well informed, man from a dairy district in Illinois his opinion on this point he said, "I am convinced that a farmer appears to be making a good living at the business because he ordinarily has three or more children which together with himself and wife work in the production of milk. The apparent profit is not a gain from the product but simply wages for the family. If such dairy farmers would alow the tables would ily a standard wage the tables would readily be changed.
Butterfat prices are lower proportionately than milk prices. The ratio be-
tween corn, oats, hay prices on one hand and butterfat on the other hand confront the dairyman as well as the nation with serious circumstances. Before the war, agricultural colleges and experiment stations saw the necessity of encouraging more dairying as a national necessity and to restore depleted soils. Now the importance is greater than ever beeause of the tempting prices for other farm products and the relative low price of/milk. cities have been unfair with the dairy


Equipment is Necessary and Expensive.
man on milk prices. They by no means
did this intentionally, but merely because they have received their information from the wrong source. In many trouble by inflaming the hearts of the city poor concerning wilk prices.
city poor concerning mik prices. will soon be re garding the milk situation, and help the patriotic, untiring dairyman to a prom ising future.

Calves Need Salt
By the time the dairy calf is old enough to eat roughage it should have of salt. Plen or small daily-offering constantly a vailable, is another simple and inexpensive requisite of good cal care that is too often neglected. Because a calf receives milk to drink is, no reason
why it does not require water. After the calf is 2 weeks old


## The STAR ADJUSTER Makes The STAR Stall Fit Every Animal <br> Long cows-short cows-and all sizes between-the STAR Adjuster

 makes STAR Steel Stalls instantly fit each animal. One simple turn of a lever lengthens or shortens the cow bed to suit. Making it unnecessary to put the cows in the same stall each day. And the entire operation takes no longer than it does to lock a stanchion.If desired, the Adjuster can be added to STAR Stalls at any time after they are in use. It is just one of the many exclusive STAR Features, found class by itself.

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that will interest you. Write for our big finely ilustrated catalogues.

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100 lbs. makes 100 gallons of milk substitute, costing only one-third as much as milk. maturity of sleek, hand and insures colve eark Write for Pamphict "How to Raise Calves fully with Little or No Milk." At dealers, or Blatedford Calf Meal Factory, Dept. 93, Waukegan, III.
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setof plates by simply shifting setor plates by simply shifting while the lister is in motion spacing of seed according to the richness of the soil. Where the soil is heavy you can plant heavy and in poor soil you can plant less. You can get two types of planting deviceseither, combination edge and MOLINE PLOW CO.

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## Transplanting Garden Plants

Transplanting is the process of set-
ting plants in their permanent locating plants in their permanent loca-
tion. If plants started under glass tion. If plants started under glass
have been well hardened off, there should be no difficulty in transplanting; otherwise, they may die quickly It is best to allow the soil in the beds
to become fairly dry during the three or four days preceding transplanting. A few hours in advance of taking the plants up, they should be watered
heavily in order to fill the tissues with water. The plants should be removed with as much soil clinging to the roots as possible. They should be protected from the sun while out of the ground, and care should be taken to get no
mud on the leaves. Plants wifich do not retain much soil on the roots are sometimes "mudded" by immersing their roots in a thick mixture of mud
and water.
The best time to transplant is on a cloudy day or in the evening, and be fore or after a rain. If after a rain,
one should wait until the ground becomes mellow. For plants with considerable earth clinging to the roots,
the holes are best made with the hand) or a trowel. For large plants handled in pots, a spade may be best, and some Small plants with little or no a plow. the roots are often transplanted with around, the plant is inserted to the proper denth, and covering is accomplished by inserting the dibber to one side of the first hole and pushing the intervening soil to the plant. The sec dibber has been compacted with the back of a pade, or a plank or a roller. 'Swee mato plants are often planted with -a spade. By this method ohe person plunges the spade into the ground vith the back of it outward and pulls it slightly toward him. A second per son inserts a plant in the hole thus pressing the earth to the process by his foot. No matter what the method used the secrets of success in transplanting soil, and thoro compacting, to exclude air from the roots. When the soil is dry it is well to cover the roots first with fine earth and then add sufficient water to moisten the soil thoroly. Do not puddle the soil. In all such cases, loose soil should be drawn over the top
when the water has disappeared

## To Propagate the Raspberries

## by george m. darrow.

Plants of the different varieties of raspberries may be secured from any ing a new plantation this is done. Mang growers having an estan mished plantation propagate their own stock. To propagate net plants, the tips and of the puyple varieties now under cultivation should be buried in moist soil in late summer. By the following spring, the tips will have rooted and formed good plants. The cane then
should be severed, leaving 4 to 8 inches of cane with the new plant If the tips of the canes of black and purple varieties are pinched off when canes will branch freely and a large
cate 12 inches high, the number of tips for burying will be secured. With many growers the first crop from both black and purple raspberry plantations is a crop of plants.
In fact, a large part of the plants disIn fact, a large part of the plants distributed by nurserymen are produced in this way by raspberry growers.
in turn sell them to nurserymen. Red raspberries send up new canes
from the base of the old canes, as do black and purple varieties.. In addition, they send up suckers from underground roots at various distances from
the crown of the parent plant. starting a new plantation the stronge of these suckers are used. If a quan-
tity of plants for setting is needed tity of plants for setting is needed
every year for several years, it may prove desirable to take up all plants in a given part of the field, both the old ones and the suckers. By the fol-
lowing year, a solid stand of plants lowitable for setting will have sprung ground. When these are dug and the
ground is rich, another stand will practice is followed, the fruiting play tation need not be disturbed by di ging up sucker plants. Sometimes. growers of the Marlboro and Ruly varieties wait until suckers appea the spring and set these out. S plants will be small, but should ery free from insects and diseases. Raspberries may be propagated a by cuttings of the roots or canes if essary. In ordinary practice, howe rarely used.

Sweet Clover for Hay
The first season's growth of Sweet voody usually does not get coarse a $t$ shows its maximum growth in all. In regions where more than crop may be obtained the first seas he first crop should be cut when th plants have made about a 30 -inch The
The proper time to cut the first siderably in different localities, pending very much upon the rainfall, the temperature, and the fertility the soil. In no event should the plants e permitted to show flower buds or become woody. In the semiarid tions of the country sweet clover d not grow so rapidy as in more humid egions. Neither do the plants gra soils. In the drier sections the results usually are obtained by cut the first crop when the plants made a growth of 24 to 30 inches. fertile, well-limed soils in many tions of the country a very growth is made in the spring, and often the plants will not show flow buds until they are about 5 feet On such soils it is essential that made no be cut when the plants h inches if hay is desired which is stemmy and if a second growth is to expected.


Ihan an not neeessary to the Sweet clover stubble when cutting of the year of seeding. A stubble 5 -inches in height, however, erve to hold drifting snow and oubtedly will be of some help in plats While Sweet clover with winter thjur more hardy than Red clover, usuall more or less winterkilling occurs, :u any protection which may be afforded during cold weather will be of siderable benefit.
While the first crop in the secom year comes from the crown buds, $t$ new branches which produce the ond crop of the second year come fro the buds formed in the axils stalks which constitute the first These branches usually start grow when the plants are about 24 inches high. In fields where the stand the plants are shaded densely, these shoots are soon killed from lack of cessary light. The branches which first to appear and which are first it is killed are those close to the gro cutting this crop to important cutting this crop to cut the plants high the stubble a sufficient number buds and young branches to produce a second crop.

## Grow Asparagus

Asparagus is one of the earliest and most wholesome vegetables and should it can be produced successfully nned product asparagus is one est, because it retains its flav than most other vegetables
$\qquad$ rop is properly cared for and intuli gently handled. The acreage for market might be enlarged consid abcy, as the demand for asparagu increasing.
well-established asparagus hed honld produce profitable crops 20 years, but in er results are secured when the plan ang are renewed every 8 or 10 year
$\qquad$
hould be begun quite early but fill until the animal is reasonably wequired tured.

## pringtime Suits and Dresses

 by stella g. nashTOMEN may conserve when buying their spying clothes this year or fashion has planned it so. re narrower, jackets are nid so many dresses are a comof silk and wool or two kinds hat it is possible as never bemake new frocks out of old


## With the Home Makers

this season. Such colors have a depressing effect upon everyone who sees them and so the light. cheery colors when both men and women neouble couragement and cheer rather than dis couragement - light tans rose rich blues, pearl gray, navy blue, black and white checks, and pretty mixtures are
So much has been said about conserving wool and using silk in its place that it is well to remember this in planning spring clothes. Many silk suits for sports and general wear will be worn. Khaki kool is a very serviceable material for a suit of this kind. Amphora crepe. which is similar to pongee, is also popular.
Prunella is one of the newest things in woolens. It comes in plaids or in very broad stripes. The colors are blue combined with tan, black with any deep rich tone, or black with white that softens into silver. Military suits are made of khukicolored worsted with narrow stripes that form big checks, and found in light-weight velour, forle ve lat named fabric jersey. The last named fabric
derives its name derives its name
from its weave which gives it a silvery surface.
Hindu crepe
$\square$
$\qquad$

the coat a youthful effect. may be made of white or contrasting material. The back and side fronts of the waist
section are fitted and the waistline is section are fitted and the waistrine is
a little above the normal. A peplum a little above the normal. A peplum
is gathered to the waist from each of is gathered to the waist from each or
the side fronts. Buttons form the Sizes 16. 18 and 20 years.
The front gore of misses' and small women's skirt 8540 fits smoothly and the back of the skirt is gathered from seam to seam at the slightly raised top of the skirt. Sizes 16,18 and 20 years.
Misses and small women's dress 8724 may be developed in silk or light


$\qquad$
$\qquad$
 e 8715
 printed everyday dress for the young girl is printed or plain, pussy willow taffeta, ever9. The dress closes from neck to foulard, silk jersey and silk gingham hem at the center front and a threefor spring and summer. Fifty per cent piece skirt is gathered to the waist. cotton and 50 per cent silk is the com- Woolen or cotton materials are suitable bination used by manufacturerś for some of the cheaper grades of gingham and foulard and this material is much gives service and the silk style and finish.

Eight inches from the floor is the smartest length for the new dresses, but 6 inches is more cons for older women.
Silk crepe, crepe de chine. wash satin, cotton reile or lace may be used the waist is gathered to a circutar band of lace, fine embroidery or a band to match the material-of the waist beaded in dainty colors. The sleeves mayे be long or short and may be plain or trimmed with small buttons running out to the point. Sizes 34, 36, 38, 40 and 42 inches bust measure.
Misses'.or small wemen's cont 8717 may be made of silk or woolen ma-
terial. The large collar which gives
 has a gathered tucker of Georgette crepe, silk chiffon or something similar. The two-gored skirt is straight at the lower edge and is gathered all around. The wide belt in the front is atiractively 18 and 20 with buttons. sizes 16,18 and 20
years. The front of girls dress 8695 is with buttons, The cuffs and chemisette are of contrasting material. A patent leather belt adds a stylish touch to the dress. Sizes 6, 8,10 , 12 and 14 years.
One of -the best models for an


FOR THE HOUSEWIFE FROM WASHDAY
 for thits dress. Sizes 6, 8, 10, 12 and 14 years.
Satin, foulard or crepe de chine may be used for misses' or small women's dress 8709. The chemisette may be made of white wash sitin trimmed gored skirt is plaited at the sides and is gathered to the slightly raised waist ine. The lone sleeves are also trimmed with tuttons. Sizes 16,18 and 20 years. Satin, serge gaøаrdine checks or twills are all good materials for ladies' suit S696-870s. The coat 8696 has a one-button closing and is cut gway from this point to show the skirt There is a tailored pocket on each side of the front and two buttons at the waistline at the back. Sizes 34,36 , Th and 42 inches bust measure.
The skirt 8708 has a fitted flont gore and the back is gathered to a yoke.
Sizes $24,26,28,30$ and 32 inches waist

Ladies' two-gored skirt 8692 may be

developed in serge, gabardine, cheviot, broadeloth or panama. The front and
 The side gores are gathered between the plaits There are buttons at cach the plaits. There are buttons at each ing a chid Has yours a sandbox side of the belt for trimming. Sizes hold task adds to his happiness $24,26,28$
measure.
These patterns may be obtained from ers Mail and Breeze, Topeka, KanPrice 10 cents each.

A Word from Republic County
Now is the time to plan the garden and order what seeds are needed. We year and saved almost enough seed fo for seed in the spring that is wasted by them in the fall. I save the envelopes sent out by advertising companies
thruout the summer and put the seed saved in the fall in them, writing on the envelope all I wish to remember about the contents.

If a roller is used to break the tops on the onions as soon as they begin to
droop in the summer, be larger when they are ready to pull.
I brought this recipe for brown bread in a greased pail and steam in a kettle of water 4 hours 1 cup of yellow granulated cornmeal, 1 cup of graham flour, lasses, salt, and 2 level teaspoons of soda. A Saturday night supper in New
England of baked beans and brown bread is the finest meal of the week

## Courtland, Kan.

Teach Children Gardening
There is no reason why every home should not have its vegetable garden, and there are many reasons why it
should. Any available space however smăll can be turned into an area of interest and of value in a practical way, and the reward is far in excess
of the small expense and time exof the small expense an
pended in its cultivation.

## pended

In the home where there are children tion and training. The wonders plant life may be explained and made attractive by the demonstration of the garden. It will be found that children take a great interest in growing things, and will come to have favorites among the different vegetables and varieties. Many of the little folks like to help
in the tasks, and learn industhy, method and garden lore at the same time. The garden may also be a means of direct into a healthy and normal ehannel says a writer in the Mother's Magalife of all children is this direction attention, and the garden can be made a place of romance and wonder by the proper instuaction of childish curiosity Every man, woman and child should do his or her part by cultivating some
kind of a garden. Even the little fence corners might be utilized for growing vines. One of the most beautiful sights
we have ever seen was a row of blact we have ever seen was a row of black-
berry vines trained against an old rock ferice. The grateful odor and bloom of flowers and vegetables about our purple egg-plants, yellow squashes and curly cucumbers, give a joy and satisfaction that
appreciates.

## Make Childhood Happy

Every child who comes into the world endowed by the Creator with the in alienable right to a carerree, happy
childhood. Many are deprived of this right altogether. These can be helped the joys of childhood because those who the joys of child ood because those who
love them best are absorbed in cares
which seem which seem more important, How many
children do you know who receive carechildren do you know who receive care-
ful attention when they talk? Do you listen, or do you make your own plans meanwhile, contriving to say when the
child has finished, "Yes," or "All right?" How much would it detract from you

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 Piano Bookgave like inattention to your enthus
astic comments?
There are few things which leave a
brighter spot in a child's memory than a children's party, but some mothers
one. Is there a child in your home wh

The birthdays of children shoul made red letter days. Has any in your family missed the joy of his plate at breapected treasure Your child moakfast on his birt from now by the memory of that day you gave, him
They make the children more considden of others. A little girl only 3 vensiderat waited with what patience she command for her mothe-
the morning's mail. The time long. Finally the child said, please excuse me for speaking
while you are so busy, but I know when that hen you set to get little birds." This child treated with gentle courtesy since day of her birth.
fight for the happiness of hedged itse Parents should pledge
maintain it. A defrauded childhos wrong which can never be undone Decatur Co., Kansas.

## Do You Know Your Neighbors?

 BY MRS. DORA L. THOMPSThe old time $\overline{\text { debate that eomp: }}$ the advantages of town and on the fact that in thace emphas could find neighbirs the country sometimes true that people sometimes true that people
know the folks living sometimes across the hallway door are ill, they send for the doctor nurse and nothing is expected nearest neighbor. This is true in country places. In every locality
there are some persons who "find with their neighbors." Many will have a chance after March
show/some mover or tenant when show/some mover or tenant what kind of neighbors we are.
We never speak of neighbors without thinking of those who lived aro if a better brand We doubt very in ated neighborliness can be found where. The Oklahoma people hav rule, come there from various s They haven't been there long enour have married sons and daughters ing on nearby farms for them A stranger is welcome; and, like who joins the ring game, he's into the neighborhood's social cir rule, plentiful and paid is not, scarce plentirul and paid labor tom and conditions cause exchun work. This exchange is exchang in many ways but especially so it nother. The one in touch leaving that state was that
When we voiced this regret, oue of may be as old as the story of the man who wanted dough for his sick hol imes sine to as and many imes since we have thought of neighbors. heard people berating the neighbors
"An old man was driving along met a man and his wife with a load of household goods. They were urging their team so much beyond reason that the old man stopped them and inquired what the trouble was.
' Oh, no trouble,' they replied, 'bit t's the wor get out of this distric. into.' The old man listened patiently while they called the country all the bad terms they could apply but whil hey began to describe the people is the meanest, low-down set topped them, started up his horse and called back: 'Drive on drive on. That's the kind you'll find everywhere
"The next load was moving
nd haste. The woman was weeping ome tre man was-sober. There was as he dreds up his horse to inguire. 'Oh no. no trouble,' they too, said.

## Narch 9, 1918

THE FARMERS MAIL AND BREEZE
farm and the good, kind people who had lived near them. ' . smiling he drove on, 'you'll find the sme wherever you go.'
This story was fresh in my mind when we/came to Jefferson county and we thought how true, in part, it was. chiredren to be left alone for the first four days after we came. We shall wen who took turns in tending the luct and in chopping wood.
One woman said the best gift slie eve recelved was that brought by a nicgbor the day tired. Everything was in a mixed-up condition and the children were hungry. The neighbor came an mome butter and some a loaf o wis a regular feast.
"The kindness I shall always remember." said another, "is the way Mrs. B sent over word for us to come there for
the night and for breakfast. It saved me a lot of work when I was tired
out." "When I'm settling," remarked another, "I like the people who come to
see me to wear their housedresses and to he ready to push rods in curtains and help while I'm at work."
It's well to remember that the most lonesome time for a new settler is
when things are in order and there is no friendly visit to liven up the regu lar routine. It's possible that the best of friends are to be found in the people by farm.

How I Make Rye Bread
${ }^{6}$ I notice by the last issue of the ${ }^{\text {Frarmers Mail and Breeze that some- }}$ one is having trouble making good rye bread. I always have good success
with my rye bread so am passing on with my rye bread so am passing on my recipe. Soften 2 cakes of com-
pressed yeast in $1 / 2$ cup of lukewarm water. Scald 6 cups of milk or 3 cups of milk and 3 of water and when it is tallespoons of molasses or sirup, and 2 ahiespoons of shortening, then the down to rise again before putting in pales. 1 hourse 1 hour in the pans and I also make good baking powder hens as follows: Mix together $21 / 2$ flow, 4 teaspoons of baking powder, 1 tenspoon of salt and $11 / 2$ cups of nuts,
then add 2 cups of sweet milk or milk mit water, $1 / 4$ cup of sirup or molasses, ami 1 beaten egg. Bake in two bread tins, This is excellent for sandwiches other dried fruits.
Model, Colo.
Mrs. H. O. Strange.
One Way to Cure Nerves
A few years ago I suffered a nervous hreakdown and as I was away from home, the attending physician wrote a
letter to my father in which he described letter to my father in which he deseribed
my condition as neurasthenic. When I riturned home I read the letter and began to wonder I just what a neurasthenic it the less admiration I learned about secmed to me that I could felt, and to get out of tit. I wás of the nervous type, intense in feeling, and could scent disaster afar off. While not physically timid, I could always see the difficulties in tho way of whatever I wished to do and lost poise over small trials. Anxiety
for the welf for the welfare and health of those I and naturally all almost unnerved me,
phis reacted upon my physical health.
Severe headaches had made me appreions brain trouble in danger of a serthis brain trouble, but when I found type," I concluded thed "neurasthenic in sympton after all and it was only a get rid of my all and that if I could nia, my headache would also vanish This my headache would also
1 called myself Miss Neurasthenia and When headaches threatened I tried to now, Misssineurasthenia, play the woman to keep in yoor nerves." I tried also gienic habits, physical condition thri Outcloor exercis, pen penty of rest, and
medical attention when needed, but
really really believe that my constant remin
der that I was Miss Neurasthenia and more than anything else to bring mo out of the worry class into a state of nerve health.
Perry Co.,

## How Do You Cook Rice?

Altho rice has remarkable food value it has little individual taste, and so which it is combined. This quality makes rice an excellent foundation for milk and cheese dishes, or combination with meat, chicken and fish in stews. Rice can* be combined with any vegetable, made into a variety of desserts, used to thicken soups or mixed with wheat flour or cornmeal in bread mak ing. Even a spoonful left over can be stirred into bread, mixed in chicken stuffing or dropped in the soup pot.
Left-over rice may be browned in fat for breakfast or made into cakes by adding an egg, a little milk, flour to thicken and a teaspoon of baking powwith sirup.

Rice Cornbread.
Beat 3 eggs very light, add 1 pint of milk, $11 / 2$ cups of boiled rice, $11 / 2$ cups of cornmeal, 2 teaspoons of fat, 1 teaspoon of salt, 1 teaspoon of baking powder. Beat hard and bake in a shal-

## Rice Stew.

Boil together 1 can of English peas, $1 / 2$ cup of rice, 1 teaspoon of salt, pepper to taste, 1 tablespoon of fat, and 1 cup Serve very hot in a hot dish. Cover the top with grated cheese before sending to the table.

The Slggans of 1918
Keep the Home flires burning brightly,


A Hen Adopts Four Kittens
Mother hens are not always particular whether their children have two feet or four, aecording to a writer in Our Dumb Ahimals, who tells about one sitting hen adopting a litter of four kittens. Perfectly contented and intensely proud of her children, the old hen hovered and cared for the kittens with as much tenderness as if they had emerged from her
own broken egg shells.
The old hen went to sitting without eggs under a grain bin in a barn near the straw bed where the kittens were kittens the wen walked up to the old cat and offered her services as a trained urse. Then the old mother cat and en were often seen hovering the kit tens jointly. The real'trouble arose when the kittens' eyes were opened and they the old hen, and just as soon as the mother cat left to go in search of food, the hen would take the kittens off for a stroll. She dearned to hold her brood ogether with the cluck, cluck, instead o a mew, and became so foolishly fond of eventually became bold enough to dare the mother cat to interfere with her adopted family.
She was a good mother, and ther would have been no serious objection to her caring for the new children had she been, capable of furnishing them with the proper nourishment. She, however, -did not neglect this, But she could neve understand just why the kitcens woul from her mouth. When she would dis cover a fine worm or other dainty morsel she unselfishly called her kitten children voice grew weak, and then, with ì much distressed mind, she' would either have to eat the morsel herself or leave it on the ground. Poor mother! She loved the kittens with as much passion as if they had been her own. But the childre
became hungry, and in order to preserv
their lives it was necessary that the hen be put out of reach of the kittens, in ish them.

## Dogs Save the Wounded

Some of the dogs used on the battle fields of Europe have been so trained that in traversing a field after a bat the they wholly ignore a dead soldier but bark loudly when they discover a wounded one. Returning to their kennels for assistance, they lead the way back to the injured man as surgeons not of the most ralugble do in the present war are of high degree thousands are just "plain dogs." It is what they can do not whence the came that makes dogs or men worth anch at a
Mounting guard in a trench at histening post for long hours at motch, ignoring danger, aiert doing for the armies they serve. Some dogs, reveding by their growling the nearness of the enemy, have saved wholo companies, especially in fogs.
Perhaps when those who do not now appreciate the value of dogs learn, after the war is over, the part these faithful animals in tave phayed woutlos Ig humanity in the various countries be less demand on the part of these personsfor the extermination of the dog Let us not forget the wonderfui work Red Cross dogs are doing in rescuing wounded and dying soldiers upon battle fields. When a battle is over they scour the field and bring back cap, musket or any article of wounded men's uniforms they can detach. Thousands of soldiers owe their lives to these brave dogs.
Many Red Cross dogs have been decorated with honors and the proposal has been made that a permanent and usefulness.


## Win the War By Preparing the Land Sowing the Seed and Producing Bigger Crops

Work in Joint Effort the Soil of the U. S. and Canada-Co-operative Farming in Man Power Necessary to Win the Battle for Liberty.
The Food Controllers of United States and Canada are asking for greater ood production. Scarcely $100,000,000$ bushels of wheat can be sent to the al hes overseas before the crop harvest. Upon the efforts of the United State and Canada rests the burden of supply
Every Available Tillable Acre Must Contribute; Every Available Farmer and Farm Hand must Assist.

Western Canada has an enormous acreage to be seeded but man power is short ad appeal to the United States allies is for more men for seeding operations,
Canada's Wheat Paoduction last Year was $225,000,000$ Bushels; the temand from Canada alone, for 1918, is $400,000,000$ Bushels.
To secure this she must have assistance. She has the-land but needs the men. The Government of the United States wants every man who can effeodeveloped first of course; but it also wants to the land in the United States find a man we can spare to Canada's fields after ours are supplied we want to direct him there. Apply to our Employment Service, and we will tell where you can best serve the, combined interests.
Western Canada's help will be required not later than April 5th. Wages to competent help, $\$ 50$ a month and 4 p , board and lodging
Those who respond to this appeal will get a warm welcome, good wages mile from Canadian boundary points to destination and return of one cent a
For particulars as to routes and places where employment may be had, apply to
U. S. Employment Service, Dept. or Labor

## PNZECOILECTIO: - VEGETABLE SICDS. <br>  <br> Vegetable Seeds- <br> Producing vegetables that everybody

 loves. Well filled packets of highest quality-seed-absolutely pure and of high germination. The kind that will surely grow, produce and please you. We obtain these seeds from a seed house backed by over 50 years of honest and square dealing. We recommend the seed and assort-ment as the best we can offer our readers.

## Start A War Garden

If we are to win the war it will be necessair own supply of veretably to raise triotic-send for thesegetables. Be paon our exceptionally liberal 15 day offer

## PRIZE ASSORTMENT <br> TEN VARIETIES

## One Packet Lettuce. One Packet Parsley

 One Packet Radish. One Packet Squash One Packet Cucumber. One Packet Beet. One Packet Turnip. One Packet Onion. One Packet Carrot. One Packet Tomato.
## Special 15 Day Offer

We will send this fine assortment of ten packets vegetable seeds, postpaid to all who send us $\$ 1.20$ to pay for a yearly subscription to the Farmers Mail and Breeze, Satisfaction guaranteed. New

Farmers Mail and Breeze Seed Dept., Topeka, Kan.

## Young Kansans at Work

How the Sprites Went on a Strike

## BY JOSEPHINE E.REED

JOHNNY was sound asleep, so he did not know what strange things were taking place. Oxdinary pee ple would have seen only a child's lay with covers kicked off haired boy one blessed with fairy vision wut have noticed a tiny queer object sitting on the boy's chubby hand, while other sprites hopped about on his tee and body. By listening one could hear a faint murmur.
"Johnny doesn't treat me right," de clared the sprite of the foot. "He goes to the sand pile and pulls off his shoes and stockings and I get so cold and then he takes croup and-his mother "Just think of
"Just think of the way he treats
me," said the sprite of the hand "He me," said the sprite of the hand. "He never will keep me inside the blankets
at night and I nearly freeze. I work at night and I nearly freeze. I work
for him all day but he never tries to for him all day but he never tries to
be kind to me. Then he won't wear his mittens and I get all chapped and
"He would be a queer looking boy without me," said the sprite of the face, "and yet, he never cares how I look. He won't wash and sometimes I am so ashamed of being dirty I feel
like hiding myself. But he does not like hiding myself. But he does not
care how I feel"" "I suffer most of all," said a brown
Hittle fellow, who was the sprite of the Hittle fellow, who was the sprite of the
stomach. "He won't eat anything that stomach. He won't eat anything that
is good for him; he just stuffs himpie until I am and cake and mince don't know whether I ampright side np or duncing a jig on a scenic railiway," that is the way he does," said the sprite of the head, "and he never will go to bed when it is time unless he cries so that I am nearly crazy.
"Unless he learns better, he will be a sickly, disagreeable boy," they decided, and then they planned to give hegan working out he woke up, they dinner was over the thought of the sand pile, but when he tried to the the door he discovered his feet wonld not move. He was surprised they never had acted that way hefore. He stooped down-to take off his shoes to see what was the matter, but his fingers would not unbutton them. Then his backbone concluded to help teach this strange lesson and would on the fiom $\mathrm{up}_{2}$ so Johnny fell limp
When mother came in she was terribly alarmed, "What is the matter
with my boy?" she asked, lips and tongue had sone on even his and refused to answer. His parents sent for the doctor who was as much surprised as they.
surprised as they
"There is just one reason," he said at last, "and that is he does not tnke
care of them. No horse can work for us unless we take care of him, and Johnny can't freeze his hands and feet and abuse his stomach if he expects them to do good work
This was something Jolnny never unable to move, he made up his mind if he ever became all right again he would certainly take care of the body that worked so hard for him.
The sprite of the
he was thinking and told the other sprites. As they were really very kind and did not wish to punish him more straightened out and Jolmne at once up: his feet carried him over to his neck, and his lips said: "Mother dear. I'm going to take betany more "Ind worry yon," You may be sure mother was glad
and when Jotmny went to the bathroom and washed his face, the sprites
rom all looked at each other and winked.

The Amethyst Ring
How masy of you, I wonder, know o the month of your birth. There is ne young reader of the Farmers Mail
and Breeze who will never forge
name of her birth stone, for whe
was 5 years old she received was years old she received
birthday gift a beantiful little bo birthday gift a beautiful little bo tiful poem, composed still more The recipient of the ped by the Annabelle Metzke of was Gre She learned to recite the peen she was 5 years old. That was ago and she still treasures the $S$ which it is written as one of her valuable gifts.
Here is the poem:
Under the stem of a butteroup,
That grew by a garden wall. That grew by a, garden wall,
A litle fairy,
Hid in the grasses tall. her home,
 As the petals folled she up, climbed the
And slept on a bed of silken gold, eep in the buttercup.
One day there came a farry prince And they journeyed away to hing,
On the tip of a humming bird The writer of the verses is Ross-of San Francisco. He has ten many poems for pubtication. As generally chosen, the birth for the 12 months of the year garnet, January ; amethyst, Febru bloodstone, March; diamond, emerald, May : pearl, June ; rub. sardonyx, August; sapphire, Sep
ber; opa1, October; topaz, Novem turquoise, December.

Pictures Show Terms of Gramma Each of the four pictures /in Address your a grammatical Editor of the Farmens Mail

package of postcards for each o neatly written correct answers. The answer to the flower puzzl , supflower; 3, four-o'-clock Prize wimners are John Vande Atchison, Kan.; Vera Gildhouse, Kan.; Ruth Brown, Bloomin Kan.; Josephine Yeoman, Lawr

Governor Recognizes Youths' P Recognition of the Junior Red lief work in the Kansas schools given in a proclamation issued by that requested of the governors and will unify the efforts of Kansas school children in war work, making them a vital facto safeguard future generations.


Mr. Phpp: Say, could you direct
 50 HORSE POWER, Six-cylinder motor cast in threes.
REO DESIGNED, Reo madethroughout.
126 INCH Wheel Base.
CANTILEVER rear springs -Semi-elliptic front springs.
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BOTH BRAKES operated by foot levers and provided with ratchet locks. Extra large and
both operating on rear hubs. No hand brake.
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TWO UNIVERSAL Joints in drive shaft.
TORQUE SHAFT relfieves driving
stresses.
SUB FRAME carries motor and transmission.
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OVER-SIZE TIRES- $34 \mathrm{in} . x$ $41 / 2 \mathrm{in}$.
PERFECT LUBRICATION at every moving point.
REO RADIATOR-Rea designed, Reo made.
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50 PER CENT OVERSIZE in all vital parts - crank-shaft, axles, driving shafts, gears,
NET RESULT-Reo upkeep equalled by no other 7 -passen ger car.

WE ARE NOT THINKING of the price - for that isn't the primary consideration in the selection of a car.
YOU KNOW YOUR OWN NEEDSwhether a five passenger car is sufficient or if you really need, at times, room for more.
AND YOU KNOW better than anyone else can teil you, what your price limit is.
AND SURELY AT ITS PRICE this Reo Six is the greatest value obtainable in a car of established reputation.
AND REO REPUTATION is second to none.
WHEN' WE SAY "Here is a seven-passenger Six that you can afford," we are experienced motorist, are considering -

NAMELY-UPKEEP. That is the first thing to consider in the selection of an automobile.
CERTAINLY YOU CAN afford to own a seven-passenged car-and you can treat yourself to the luxury of a sweet running, silent Six-if you can feel that not only in first cost but also in cost of and accord with your ideas.
ASK ANY REO SIX OWNER to tell you of the upkeep cost of his Six-and the has driven his Reo, the better will his answer sound.
HE WILL TELL YOU that, having compared notes with friends who own and drive other makes of cars-fours as well as sixes-of the same passenger capacity,
he has never found one that compared with his Reo Six in low cost of upkeep.

AND HE'LL TELL YOU, too, that he has yet to find even a five-passenger carfour or six-the operation, repairs, rewhich proved as low as his Reo Sixexcept one the five-passenger Reo.
NATURALLY a five passenger car ought to be cheaper to maintain than one of
seven-passenger capacity-but most are not, when you look up the figures.

EO DEALERS TELL US that theis records for the past three years show paid less than eight dollars per car per year for replacement parts.
JUST READ THAT AGAIN-with thou sands of Reo Sixes running in all parts of the country, over ands of skilled and unskilled drivers; most of them owner driven and owner cared for (or neg-lected)-
THE AVERAGE COST per car, per year for replacement parts was less than eight dollars!
FRANKLY WE DON'T believe that record can be equalled by any othe seven-passenger car on earth.
AND WE MAY ADD that the records on the five-passenger $\mathbf{R}$
THE SAME QUALITY- the same sound engineering; the same ripe experience; the same attention to little details and the same construction, inspection and ting of every car enter into the mak ing of all Reo models.
COST OF UPKEEP is always uppermost in the minds of Reo engineers, when designing and when specifying materials. And since the same desire is uppermost buyers-we meet on a common ground.
WE ARE FRANK TO ADMIT that to a large extent the phenomenally low cost Reo buyers are, as a class, better informed and more careful in their selection than the average. .
REOS DO NOT APPEAL to those who look only to superficials-Reos are built mostly men of ripe experience in motoring. They, therefore, combine prudence with intelligence in their choosing of an automobile.
IF YOU ARE ONE of that kind, we say to you, here 1 s a magnificent, luxurious; seven-passenger six that, both in first afford to own.
REO EFFICIENCY sets the price lower -Reo quality guarantees low upkeep.

Reo Motor Car Company, Lansing, Mich.

"WHY CHICKS DE IN THE SHELL"


BiggestHatches Strongest Chicks Thats what you win get with my
Hatching Outitit-and I can proveit. The whole story is in my big catalog, Hatching Facts", sent Free. Ittells
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Comb Whites ......... ${ }^{\text {¹ }}$
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Marte Histt, Breed Club Secy,
R. 1, Colony, Kan. ORPINGTONS
Burf Orpingtons
White Orpligtons
Lila Bradiey
Lila Bradey, Breed Oiub Secy.,
R. 3, Le Roy, Kan. WEGHORNS Single Comb White...
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Rose Comb Brown
Rose Comb Brown.............
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Tells Why Chicks Die E. J. Reefer, poultry expert of 458
Reefer Bldg, Kansas City, Mo, is giving Reefer Bldg, Kansas City, Mo., is giving
away free a new book which tells of a simple home solution that raises 98 per
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free book.-Advertisement.

## To Win With Poultry

## Breeding for Eggs

## by albimpt 6 . regon

I began breeding the Rose Comb Rhode Istand reels for egg production breeding four generations that have reproduced their egg laying qualities. In 1014 "Trilby the 18 st " laid 254 eggs. Her ancestors on both sides had been "Irulby the 2nd," a daughter of "rriby the 1 st "" laid 266 eggs in 1915. 272 exgs in 1916. and her daughter "Tringy the 4th" or "Lady in Red," did her bit in wiming the war by laying 288 eggs in 1017. Five full sisters of "Trilby the 4th," with herself, laid 262 eggs as an average during 1917, which,
demonstrates that these birds have the demonstrates that these birds have the
laying qualities in the blood. a long story, but will say, first, by get-
 Trilly the and.
ting eggs from birds supposed to have egg records, then by trap-nesting and buying birds from a laying strain After four yearts I got some of my birds in the 200 egg classs, then I began keeping a register and pedigreeing al my birds so I could know just what they
bred.
Persons came to my yards to see my have sone great layers. What you wortd do you feed them to make them lay?
. What would you think if you had a registered Hotstein cow with a high milk record if a man should ask yon, "What do you feed her to make her give so much milk?"
I am frank to say that feed and care go a long way toward egg preduction,
but am sure that breeding has lots to do with it. I feel that I have built up a strain of layers that will reproduce their laying qualities.
I used to live on a farm and did just
what many farmers are doing today with the chickens; I kept five or six of the best and targest cockerels and turned them all loose with the hens, then when the eggs were gathered, I
selected the lavgest eggs for hatching. This system will nerer get you anywhere. Select seven or eight of your backs, and put them in a pen by them-


Trilly the 3 xd
selves. Send to some breeder breeling for eggs and buy a mate yith your pullets, then from eggs from that pen. It mig from some other breeder who of egs-laying strain. Keep this year, and always be curefut nbo shape of your pullets. They must long, broad backs, which means and depth of body, for thereh egg capacity. Note the shap "Trilby the 4th," She is almost : fect specimen of a laying type. Keep away from mating ing or much as possible for in weakens the vitality. The he lays 250 eggs in a year must great vitality. While in-breedi for show birds. if carried too will weaken the whole floek


Triby the 4th.
photographs taken when the were ench 9 menths old and in l ondition.

## N. L. Harris to Arizona

 of tice Harris, former superinte lege ponltry farm, has resigned cept a position as poiltry spectal the extension division of the A Agricultural college at Turson in Kansas and has a wide ac. ance among the farmers and po who assisted state. Harold who assisted Mr. Harris nonths is the new superintendelNew Incubator-Free The Wight Co., D 17, Lamoni, wants to give every reader of this minutes work at home. Writ special offer.-Adv.
The colt's system requires a con material; and this can be had onl Peeding nitrogenous feeds such a ble clover on meal and wher ble clover hay.
the churning become been long in


Trilby the bit.

A Question of Breeding Egg production is largely a question Egseding, according to Harold $H$. of bre. superintendent of the Kansas
Amos, State Agricultural college pouitry farm. Eggs from winter layers sho
be selected for hatching purposes. Under natural conditions no eggs vere laid in the winter months. Artificial methods have been employed unii by proper selection and manage nid during the coldest months of the
Feeding and care have a great deal do with winter egg production. Of reater importance, however, are se termined by careful observation that enerally speaking, the hens that make the best records during the fall and wiver months are the best all year liyers hens will lay fairly well in March, April, and May. The poor layers seldom, if ever, lay during the nonths when prices are the highest. They are not economical producers and Whould not be kept as a breeding stock.
Wossible, breeding pens possible,
maintained dureeding
during $\begin{gathered}\text { pens } \\ \text { the }\end{gathered}$ should be maintained during the
hatchiug, season. All poor layers, unhatching, season. And poor hayers, impullets, and otherwise im-
rds should be discarded prior breeding season if satisfactory wre to be expected.
hatched chicks are the most both for meat and for egg mothention. They ara the most easily Whe wose while they are young not subjected to the cloudy, eather which comes later in the They usually are more vigorater chicks have a higher rate
ality because of the extremely ality because of the extremely ther and the prese al purpose breeds should be not later than the last of April pulets are to be developed for The young cockerels can be of as broilers at much better hain those of later hatches. strictly egg breeds it is not ad-
to hatch before the middle of the hens will often begin to and go into molt about the danuary. In the present ab-
imes it may prove profitable as late as June 15, but chicks hatched then cannot be lept as profitmble egs producers. They should be
marketed in the late fall.

Hatch the Chickens Early Mrs. LIZZIE webster
e quite a flock of chickens to $y$ year. I used to set the eggs under hens. Five years ago I bought all incolbator and I have had success
with it. Before I use it in the spring and Before I use it in the spring and ery hatch I wash the inside of
bator with hot water in which oons of carbolic acid have been and let it dry and air out be ng. light the lamp at least 24 ore 1 am ready to set the eggs. st them. Then in the morning all the eggs, one at a time, in warm water laying them on a to dry. When they get dry if be running all right I mark the eggs when set 24 I begin twice a day until the sixteenth I stop turning them. I air he second week I air then, from minutes every time I turn them. day until I hear the shells pip fuit airing them and leave them the eggs sparingly with warm ice a day. I cut pieces of old eloth smoothly over the botthe machine, fitting it up closely the little chickens to walk cloth when the hatch is over and wash ond burn it and the is not difficult to clean.
in then I hear the first chicken peeping
outt shell I wring a piece of flannel cges, Warm water and lay it over the
orer. Thing it there until the hatch is too i:ot and keeps the eggs from getting chickens and drying out, and keeps thi
ever I see dying in the shells. When-


I raise the eloth and transfer them to
the nursery and throw out the shells. the nursery and throw out. the shells. do not have any more crippled chickens. I do not feed anything for 36 hours, then
I feed sparingly of hard boiled eggs, I feed sparingly of hard boiled eggs,
rolled oats, a little millet seed, water and sour milk in small vessels that the chicks cannot get into. I also sprinkle chicks cannot get into. ratse my young chickens in small houses enced in so the old ones cannot get to ceed them all they want, weepsing the millet seed where they can run to it all the time, also sand, sour milk and water. I always keep a sack of chicken feathers hanging
when chicks get caught in a rain. I put an old tub or box in a dry place, cover the bottom well with feathers, put in the
chickens, cover them well with the rest of the feathers, put $\%$ cloth over the $t p$ of the tub and go about my work. When they get thoroly dry I take them out and
let them go.

## A Flock Record

Showing what a doten laying hens will do in supplying a family with fresh eggs at a low price, L. H. Replogh of Meriden, Kan., reports the result of 1 Single Comb White Leghorns for the
year ending January 24,1918 . The 12 pullets were kept in a 6 by 14 foo
a yard 14 by 100 feet. The first egg was year's record was started. Du'ting the ear 1,088 eggo were produced at a cost about 17 cents a dozen. The eggs
ere worth $\$ 24.94$ at market prices in were worth $\$ 24.94$ at market prices in
Meriden, or $\$ 9.52$ more than it cost to Meriden, or $\$ 9.52$ more than it cost to
produce them. The feed consisted o produce them. The feed consisted of
soaked oats in the morning, wheat or bran at noon and corn at night. Green
grass and weeds were fed during the grass and weems were fed during the
spring and summer. Being yarded, the pullets did not get anything to eat exept the feed that was provets did not make. a big showing in egg production, *as the aycrage vield was only $902 / 3$ egge, but rate production dozen heris are profitable for any family to keep.

## Raising Geese

The first rear I raised geese $I$ bonght 17 eggs. which cost me $\$ 1.15$, rom which I hatched 10 goslings, and the eggs when they had been set on two weeks, the third week about twice, and the last week about every day. When the little goslings were hatched. I fed them bread scraps,
soaked in water or milk, and clover unsoaked in water or milk, and clever until they were about a week or so old. them a mash, two-thirds began feeding third a mash, two-thirds bran and one-
about 4 weeks old, they can get along They must have plenty of water all the time. They must not go to the
stream where the turties will catch them. I raised the little goslings by hand as they are very awkward and lumsy and are mashed easily
The young geese must not be alowed to be exposed to the cold rains chill very easily. Then they become stupid and die.
I picked my 10 geese three times and got 5 pounds of feathers. I sold four out of the 10 . which averaged $\$ 1.30$ apiece. I kept four geese and two ganders, and last spring the four geese laid an average of 22 eggs apiece, from which I hatched 40 goslings. The eggs from young geese do not hatch so wel as do those from old geese that a
fully matared. R. 18, Richland, Kan.

## Will Save Your Chicks

Any reader of this paper who writes P. J. Kelly, the Poultryman, at 63 N . 2nd St., Minneapolis, Mim., will re"White Diartope in Bobs Chico" It White Diarrhoea in Baby Chicks." It tenls how to prevent. remedy and save paper urges you to write for it at once paper urges you

# Don't Buy a Separa Send the Coupon Today for My 

Here is my Masterpiece of separator manufacturing, the best separator designing brains that money would buy-a separ good features of other separators combined in this one perfect, It is sensational in its perfect construction-it is sensation clean skimming efficiency-it is sensational in its simplicityof
tion-it is sensational in its easy cleaning features-it is (O) in its strong durability-and best of all, it is sensationem Remember, my New Sanitary model is not a machine th clean in just certain seasons, but every day, winter or summer, below zero or the service is hardest and the do, right down to the last drop, It shows its quality be the service is hardest and the demands are greatest! That's where my New Sanitary
comes in and delivers $100 \%$ skimming service. And in summer, when the cows and the milk flows extra heavy, you can depend on this Newer, when the cows are in the trace of butter-fat! This is the year that you must get every ounce of butter-fat in the skim out and butter prices are away up-likely to go higher-the least butter-fat wasted means just that masy

## GALLOWAY IS STILL ON

## STILL DOING BUSINESS AT THE OLD

MoneyBack Guarantee With Every Sale


Read
the Proof!


 A. Vicke, calmar, towa.
"Please send us your late
catalog. We have bought catalog. We have bought
Beveral articles of you al-
ready, including ready, including a Galloway
cream separator, and ithas cream separator, and it has
proven all that, is claimed
for it. Therefore we know for it. Therefore we know
that the name Galloway that the name Galloway,
stands for fair dealing, and
we want your catalog."buands for fair dealing, and
we want your catalog."-
DeWitt Bros., Cuchara DeWitt Bros., Cuchara
Junction, Colo. "I had some of the milk
ekimmed by our New Gal-
loway Sanitary Cream Saparator tested by our State
Farm Bureau man Farm Bureau man, and he butter-fat in the skim
milk, $\mathbf{C}$. R. McCombs,
New Castle, Pa. Routt New. Cas
No.
Nor

## 4 pmanimumanuming gin minm <br> Galloway

LISTEN! When I started in the manufacturing business in a small way in the user Waterloo over a dozen years ago selling a small article-the harrow cart-and later on added the manure spreader, some of the wise ones said: "Galloway will not last long. But we just kept sawing wood, and giving the people bigger es than anyone else, earnestly trying to make our products better.
Then we added a line of Gasoline Engines; then came the Galloway Sanitary has grown and expanded year after year, and in spite of conditions has moved onward and upward in volume-winning us thousands upon thousands of satisfied customers everywhere-in every state in the Union and in Canada. This only
goes to prove conclusively that our plan of manufacturing and selling direct to

Sensational Features of the New Galloway



 and bowl-these are the fow parts held in perfect alignment by the gear case casting.
Third: It io not humanly poesibe to build a cream bensrator that is mechancally more perfoct-low
viles of buter.





## ATIONAL ITARY S EPARATOR

## til You Get Galloway's Proposition! Book About this New Sensational Sanitary Separator!

uction of which is the accomplishment of years of experience and the he-a separator that invites comparison-that has built into it all the parator that is so good mechanically that it is positively sensational!
n away. These are times when you must get the best de. This is no time to take chances in buying. If you ime, effort and cream by the old-fashioned gravity methods -or by using an out-of-date machine-stop it, and get a extra amount of butter-fat it will save for you. If you extratyounarator that wastes cream, dispose of it, and Hloway Sanitary. It will stop the loss and save you money twice-a-day, every-day-in-the-year skimming, there is no
t can beat the New Galloway Sanitary model.
Because of skimming efficiency, it will make you money every day it, in both prosperous and economical times.

Another thing: Conditions now on raw materials, deliveries, and prices were never so uncertain. If ever there was a time to plan ahead and get your orders in early, this is the year! In our manufacturing business we are now contracting for materials to do it. We buy early to protect ourselves, and we advise you to buy early and protect yourself. A little careful, early planning you saved many a man real money, and this is the year when you will save more than ever before by buying early!
And don't forget that when you consider the present high prices of live stock, corn and other farm produce, compared to the present low price of my New Sanitary Model Separator, you are buying it at a figure

## JOB ‘DDIVIDING THE MELON' ${ }^{39}$ !

## STLLL SAVING MONEY FOR MY FARMER FRIENDS!

enuous times on different occasions to fill h the tremendous demands made upon us, - organization two features that stand out hipments, and our new Service Department,
fat if you would wire us for something today $y$ we get your wire. This has only been For example: Today we have in our wareeorders come in,over 5,000 cream separators. we manufactured cream separators or other
sperience has accomplished. From present
indications there is going to be the biggest demand in our history for Galloway goods this spring, and my personal advice to you is that if you are going to need anything in our line to write us early, because there are two big things to guard against-
additional raise in price, and inability to deliver the goods promptly a little later on.

We have in price, and inability to deliver the goods promptly a inttle later a
Galloway Separator Manur Sprements this year so that you can order now a Write today for our special proposition. If you have never bought from Galloway there never was a better time to get acquainted than right now. Come to Waterloo and see our factories as pictured in the lower left hand corner. You will be welcome. You will be taken care of. Your visit Wm. Galloway
will be appreciated by our men and by me personally. Wm.

## itary Separator

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 wike ndvantanate with the hicast strang on your





BUY NOW!-Pay Next Fall After Harvest!
Get your separator now when you need it. Begin the big cream saving it will make at once! Don't delay getting the implements you need because of money matters, for I have arranged my easy buying plans on purpose
to accommodate responsible farmers. o accommodate responsible farmers.
On my principal manufactured lines, Separators, Engines and Spreaders, I offer your choice of five easy buying plans and terms, one of which will surely suit you. You can buy for Cash, Bank Deposit, Part Cash and Part Note, All Note, and Installment without interest. So buy now and get for it later after you sell your crops or with the savings these implements earn for you. Some farmers may not be worth as much as others in dollars and cents, yet if they are responsible the amount of their wealth does not make much difference. It is integrity that counts. Good credit is capital. Ask about these buying. plans now.

Ganioy sivic Cathoc


## MAIL THIS COUPON TO-DAY!



WM. GALLOWAY, President
WM. GALLOWAY COMPANY, 47 Galloway Station,Waterloo, lowa Send me the Spring Edition of your 1918 Book.


| FARM ANSWERS |
| :---: |
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## POIGE <br> Ghe Most Beautiful Car in America

## Make The Minutes Count

In these war days you must realize that it becomes a patriotic duty to own a motor car.

The business of the nation must move forward on high gear. There must be no "let ups"-no wasted effort -no inefficiency. Every true American is expected to quicken his stride and make each minute a productive minute.
On the farm, especially - where dis tances are great-a dependable motor car is quite as necessary as the telephone. It is the most efficient form of transportation that has ever been developed-and transportation is the key to our entire national problem.

So, by all means, get a motor car-for yourself and Uncle Sam. Any car is better than a slow, plodding, horse-drawn vehicle, but common sense will dictate the wisdom of buying a good one while you are about it.
Take up the matter in the same careful way that you select agricultural machinery. Look for enduring quality rather than mere price. Buy a manufacturer's reputation rather than four wheels and a painted body.
If you make your selection on this basis, we are quite content to abide by the result. If you search for motor car quality you must find the Paige.
inties south, where woth grain and re the extreme western part of the
millo is stmilar to Dwarr mplo in



 barley in Montgamery countr. do you think of barley as a crop
county, espectally for hogs? mery C




Spontaneous Combustion,
Can you tell me about spontaneous comof this?
ousing fires? is there much danger
D. O P Lyon Co.
Many destructive fires have been caused ly ciover and alraifa both of may, especial-
gtaoks. The pirst cutting of alfatfa seems in staoks. The first cutting of alfalifa seems
to bo the most dangerous in thls respet. If
hay of this kind has rain or dew on it or hay
if th
is put your section providing Chinch
numerous chinch bugs appear
arley to other smand gran crops ley to other small grain crops
y are numerous reduce the yield
have no bulletins on barley. nd that C. A. Barker of Hoxle,
00 bushels of the 1915 crop for uld be sown as early in the
ground can be gotten into con-
the time oats are usually sown the time oats are usually sown
right. I would recommend
S. C. SALMON .
veet Clover for Pasture, sireet clover be a good crop to
asture?
hat Sweet clover would be setts-
pasture crop for your conditions pasture crop for would be satts-
his spring. it should givetions.
some his spring. it should glve some
he midde of June. You could
it very heavily, however, the fot season an acre should
for a cow during the sum-
possibly pay botter than this
 secured if the fleid is divlded
if pastured at a time, It shoutd
ory for seeding atong the creeks,
i, much better than your weeds much better than your weeds.
turned into such pasture early
g. they win soon learn to ilke

 lists which may be of some as
you.
y. C. SALMON.

Bulietins on Good Feeding. tell me of some good bulletins on
D. C. I.

Wing bulletins can all be obtained
the United States Department of Washington, D. C. Beof Calves in
Mad Fattening Bulletin 73.) Department Bulletin in.)
Cattle Feeding in the Corn rumers Bulletin ${ }^{5888}$.) (ing of Dairy Cows. (Farmers' man Magement of Dairy Calves
Dairy Stock. (Farmers' Bulletin for Farm Sheep Ralsing.
Bulletin 810.) stock is Handled in the
Kentucky. (Farmers' Buegrass
Bulletin ocp Raising for Beginners. (Farmof Farm Wastes in Feeding
(Farmers Bulletin 873.)
(Fanagement.

Farming Methods in Reno.
tell me how to get a start of
d Sweet clover. How should I preground for alfalfa? How much eed to pasture 12 head of stock?
A. W. D. to your recent letter, we have
Co ding respectively with Sweet
Afaifa. These circulars W be-
ve you the Information you de :le you the information you de-
there are any points which wre
to you or on which you wish o. you or on which you wish
cmation, I shall be glad to write amount of pasture required for
stock, we find that on good
acre of Sweet clover will keep acre of Sweet clover will keep
thru a season, Possibly a little
this would be required for your ct to the seeding of your alfalfa
und, I would suggeet that you
 Dood seedo is have the ground
phte fine tirt on top to cover
cod reasonably early, that is, beddle of May, and preferably, be-
of May, and avold geding too
of Mble use an alifalfa drill.
S. C. Hog Cholera.
holera by it
S. U. B.
ering from cholera show a rise be constipated or oat, suffer from
owed by malnutrition, emaciass, and a staggering, emactia-
sable In the stat hlnd quarters. The
rough, and the skin about the in colomen may be Inflamed
anmed. and about the Hids freHe collects. Resptrations a muy be
Recompanied by a short hacking Mitoms of hog cholera are not eas-
Mitited from symptoms exhibited
vine diseases,




Time is the most valuable thing a farmer can obtain this year.
All his energies must be used in productive ork
He will be short-handed much of the season. The automobile will increase the amount of work he can do. But if the car upon which he is to rely is one which must be constantly readjusted, he will find it a poor helper.
He won't be able to get expert automobile repair work as he has in the past. All the best mechanics are needed by the government. They are wanted to repair the aeroplane and truck motors for the army. The best men are already in the service
This is the time when it is safe to buy only the best. The car yon get this year must do all you require of it, without needing special service attention. You won't have any time to give to it, and there are not einough experts left to look after all the cars that will need their attention.
Then also it is better in the long run to choose a car that will give years of service rather than one

$\qquad$
by the best of hand feeding.

## HUDSON SUPER-SIX



# The Farmer, Most of All, Needs a Car That Stays Adjusted 

## He Will Have No Time This Year to Spend in Making Automobile Repairs

which can be relied upon for only one or two seasons.
The Hudson Super-Six is known to thousands of farmers. There is not a section in the country where it is not recognized as the most reliable car a farmer can ehoose. Altogether there are 50,000 Hudson Super-Sixes in servicd.
To develop its endurance, regular stock cars have been used ir the most trying tests. They have established records for endurance and speed that no other car has equaled. Hundreds of owners have kept us informed concerning the service their cars have given them. It has enabled Hudson engineers to increase the endurance limits of-these new models.
If you choose a Hutdson Super-Six you will be independent of the scarcity of expert repairmen. You will get a ear in which there is no question as to its reliability. You already know in what esteem it is held by those who own Hudsous. Don't you think it better to get a proved car this year? You might regret the purchase of another сағ.

## HUDSON MOTOR CAR COMPANY



## Profits in Food

There is a world shortage in
food which means top prices prefood which means top prices pre-
vail. It is doubtful if meat prices vail. It is doubtful if meat prices

 Get Into the Meat Packing Business Yourself

Thomas Ruddy Company
Independent Packing Plant Kansas City



## Abnormal Prices for Feeds

## Every Farmer Should Study the Markets Closely

F
UEED TRADE conditions in the settled state, record or negr record prices prevailing, while the supply of
several feeding stuffs is far below the several feeding stuffs is far below the
abnormal demand. Many producers of abnormal demand. Many producers of prices in history and difficulty in obtalning enough of any particular feed, ods in the feeding of cattle, hogs and sheep, and these important changes, forced upon the producers as one of the direct results of the war, will go down
in the history of livestock production in the history of livestock production
as the beginning of a highly advanced as the
epoch.
Prices for feeds are practically double the quotations of a year ago. On the
other hand, livestock prices increased to a comparative position not interesting feature of the feed and live stock markets is given in the fact the when prime beef steers were selling on the Kansas City market at 17 cents a pound, corn, alfalfa and other feeding
stuff commodities were much stuff commodities were much lower
than today; yet prime beef steers are than today; yet prime beef steers are
selling at about $\$ 13$ a hundredweight at the present time
Corn is moving to market in an un-
precedented volume, and large receipts precedented volume, and large receipts
are expected until along in are expected until along in March, at
which time farmers as a rule begin heir spring planting operations., De cereal, prices sere near the highest level
in history. With mixed in history. With mixed corn selling a
$\$ 1.90$ and as high as $\$ 2 \mathrm{a}$ bushel, the feeder of livestock is reluctant to make purchases. Present values of cattle and hogs do not warrant the feeding of corn at \$2 a bushel. Practically half the
crop of corn was damaged by frost, and crop of corn was damaged by frost, and
immediate feeding has been necessary immediate feeding has been necessary
to enable growers to realize any profit to enable growers to realize any profit
from the frosted grain. This partly accounts for the great increase in the
average weights of average
markets.
The acute shortage of wheat, in th face of a huge demand from both do mestic and governmental sources, is
resulting in a large consumption of corn in the form of meal as human
food. There is an unlimited for corn flour and meal, which millers are unable to fill. To this fact is
attributed the present level for corn prices, millers being eager buyers of the white, yellow and mixed varieties. A moderate demand prevails for corn
chop, but buyers hesitate in making chop, but buyers hesitate in making
purchases, due probably to high prices,
and and the fear of holding the product,
corn of last year's crop containing an excessive ampunt of moisture. One market declared prospective buyers have lost more by delaying purchasers
they fearing governmental price fixing than they would have lost if they
had bought and the Food Administration had marked the price down 50 cents. At this time there is little likelihood of fixed prices.
Strength in corn, as well as in mill feeds, is an important factor in the oats market. Oats prices are the high-
est in history at about 90 cents a bushel. Human consumption, which a acounts for the present levels of corn, has had
a bullish influence on the oats trade rolled oats manufacturers reporting unprecedented sales of their product for
human food. Oats are moving to market in a large volume, and feeders are eager buyers, substituting this
coarse cereal for corn on an extensive coarse cereal for corn on an extensive
scale. The United States Army Quartermaster's Department is purchasing oats in large amounts for feeding horses
and mules of our national army, as and mules of our national army, as
well as in the armies of our allies in Furope.
Feeder
with a peentiar ostock are confronted with a peculiar problem in the mill
feed situation, the supply being very low in the face of an excellent demand
and the prices at the and the prices at the highest level ever
known. Millers have been forced to curtail their grinding operations, and
naturally the output of mill offals is naturally the output of mill offals is
relatively smaller. About 100 flour mills
in the Souther recently either because of a shorrtage
ground 75 per cent of the wheat allotted by the United States Food Administrawheat berry has extion of flour from th per cent, millers being required to 7 per cent, millers being required to ob-
tain 196 pounds of flour from pounds of wheat, while formerly 26 pounds of wheat were used in extract ing 196 pounds of flour
Naturally in this changed milling ormula, the supply of mill feeds has been reduced. The only low grade flour now made by millers, as a result of recent orders by the Hoover Adminismillers are not allowed to grade, this a animal feed, but must blend it with 55 or 100 per cent of flour for human their low grade flour with the feeds in order to enhance their value. Advices from breeders of pigs and from dairymen indicate that the feeding value of mill feeds has decreased, the protein and fat content being lighter, thereby orcing increased consumption. Maximum prices have been fixed on mill eeds, the price in Kansas City, in 100 pound sacks, amounting to $\$ 1.60$, brown shorts $\$ 1.70$ ànd gray shorts $\$ 2.05$. A few days ago, profits of brokers, job ors.and retail interests were fixed, and the diminishing supplies. Practically no middlings are being made Practically cent flour containing the bulk of the middlings.
The situation in cottonseed and meal is similar to that in bran and shorts, being far insufficient to products enormous demand. Some to meet the Food Administration and manufacturers reached a voluntary agreement on ton prices, amounting to $\$ 56$ to $\$ 58$ to $\$ 56.50$ on $381 / 2$ per cent, meal; $\$ 54$ $\$ 53$ on 36 per cent. Prices are on a basis of Kansas City. An idea of the shortage of cottonseed products is conklahoma and Arkansas crusher that his millers are unable to supply more
than 10 per cent of the orders of stockthan 10 per cent of the orders of stockis similar. Lack of tank cars to mills cottonseed oil is hindering the operation of mills, and earlier in the year there was a shortage of coal. Another tions recently was the reluctonceracotton planters to market their seed, so for a long time mills were practicther injured by an embargo against shipments of cottonseed cake and meal from Texas, the Food Administration rom starvation, due to drouthy conditions in the Lone Star state. Many
mills are only at the present time fillmills are only at the present time fill-
ing contracts made last October, November and December

## Feeders are watching with

 terest the trend of hay prices. All varieties, especially alfalfa, are selling actively at the highest levels in history.Alfalfa is in demand west, where drouth has persisted for about 18 months. Dairymen, too, are using alfalfa in larger quantities, partly the result of a shortage of other feeds. The United States and allied armies should not be overlooked as buyers of
hay, purchasers for Uncle Sam being required to buy hay for 325,000 horses and mules in this country, besides sup-
plying hay for a much larger number of animals on the battlefields of are the principal varieties taken by the

Record prices are being paid for has $\$ 33$ a ton for alfalfa, $\$ 29.50$ for timo thy, $\$ 26$ for prairie, and $\$ 27$ for clover.
Eveñ straw should not be overlooked, for there are reports of increased feed-
ing of this commodity been made recently as high sales have These unprecedented prices are holding up in the face of heavy receipts at prifrom Canada. Mild -weather in the Northwest-Idaho, Montana, Wyoming shipment to

How To Save Baby Chict

KAFFIRSEED
Black Hull White Kattl well matured, and sound. Shom, over $90 \%$ germination by test.


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 Order Now, and we can supply you.
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You Should Guard Against

## WEAK LUNGS AND

 THROAT TROUBLEAFTER ANY SICKNESS
because a weakened system reddily yields to tubercular germs. The best and pure body-builder known to medical
science is Scott's Emulsion of pure cod liver oil. It is pr digested medical nourishment easy to take, and sure in effect Scott's Emulsion is free from alcohol or opiates, and is necessary àfter sickness as fre

Beware of the man
"not-so-good" kinds offered for more profit.

Scott \& BOWNE
Scott \& Bowne
BLoompielo, N. J. 12 -133

## When KeepingFarm Records

Here's a Simple Plan That Every One Can Follow

## BY J. R. UMMEX

解 gy on the farm is a necessity. tory in this country perhaps is March
ng is a business the same as 1 . With a renter the date should orng is a business the same as 1 . With a renter the date should or-
or running a department dinarity correspond with the lease. or running a department dinarity correspond with the dease. no person woud think of either of these establish- inventory at least onee a year. The ithout proper records. The form in which the inventory should ithout proper records. operations without proper ers' Bulletins 338, 511, and 661.
> agreed generally that book-
> have- learned this from in practical experience in and I am convinced that the ho does not keep some sort of likely to do much unnecessary the farm operating delong as the total opergain, the unprofitable often are not noticed.
> fact also that as soon as the tarts keeping records of the ring into the different enterthe farm he begins to plan $y$ his business more closely the drudgery is lessened. If - finds that certain enterfarm are not profitable immediate steps to make immediate steps to make
These corrections be made hastily. For exdairy department may be
a loss. By consulting the may be found that certain not profitable. If, after the boarders, the profits they should be, the trouin the metho
the product.
> Books are Not Kept. several good reasons why ts are different from city merchant, especially into much detail and folrecords of the separate tions. The storekeeper
ctual figures; that is, he hitely what every article $d$ what he receives for it. are not nearly so subates or to variation in
e those of the farmer. deal largely with esti are influenced by par pertain on the farm con-
noty to one pertain not only to one ystem is another reason have failed in keeping inired to record the day's Provide a desk, preferlocked in order to keep a convenient place so moments' time can be apstudy room, properly s encouraged the son or
do the farm bookkeeping ter has encouraged the keeping of permanent
wing comparisons by rer setback to farm recthe fact that farmers ed hy city bookkeepers now the conditions of The Aecounts
ting out to keep farm
the first question "up, is "What accounts hation the farmer wishes particutar conditions, and
is willing to give to bookires to know only the net for the year as a whole, necessary is an inventory ling of the farm year and
lose of the year. The difveen the year. The difloss for the year.

Farmers' Bulletins Will Help.
In all cases it is necessary to divide the inventory into two separate groups commonly known as resources and labilities. The sub-accounts unand improvements, dairy cattie, hoge, horses, poultry, maehinery and tools, farm products, building materials; accounts receivable, bills receivable and cash on hand and in banks. Under liabilities would be listed accounts payable, bills payable, and farm mortgages. The difference between the resources and liabilities is commonly known as present worth. The taking of amnual inventories enables the farmer to know accurately his net worth thus obtained with the net worth of the previous year, thus he can determine the loss or gain for the year as a whole. which of the departments of the farm which of the departments of the farm contributed most toward the gain or No special farms records are necessary. fairly close estimate of the results of each department.
Any form of ledger may be used for this purpose. On the debit or left side of the page should be recorded hired help, and all other expenses, including depreciation on equipment and toots. Some valuable information can be obtained with regard to the estimated life of farm machinery from Farmers' Bulletin 338. The farmer should also charge to every account his own time, that of any members of the family, and the time of his own teams at current prices for similar work. He should, however, keep his own time and that of his help uable later on us he becomes more axpert in bookkeeping. On the credit or right side or the sheet should be or right, side or the sheet should be recorded the products sold, and on
completion of hatvest or at the close completion of hatvest or at the ciose
of the year the amount of products on hand. The two sides should then be totaled, and the difference will either be a debit or credit and will show what profit or loss the farmer would have made had he hired all the help. Great care must be taken so that no items will be omitted. It is not expected, however, that the sum of the net results of the individual accounts kept will check the net results shown y the inventory at the close or the ear, but they will be close enough

## formation. <br> Bookkeeping is sometimes made more complicated where the operator and landowner form a partnership.

 In this connection I would refer you to the forms illustrated in Farmers' Bulletin 661 .If, it is desired to have more exactthat is, if it is desired to control the distribution to the different depart-
ments of the farm by the exact receipts and expenditures and cash balrecording recoipts and expenditures The form receipts and expenditures. tory is 1 have found most satisfaciple column Journal, which is pro vided with a separate column for every crop department of the form as shown in the accompanying forms -nacerms Dalry
$\$ 8.10$


| $\mathbf{\$} 17.00$ | $\$ 1,275.00$ | $\$ 200.00$ | $\$ 150.00$ | $\$ 1.40$ | $\$ 1,643.50$ |
| :--- | :--- | :--- | :--- | :--- | :--- | for January, 1918 ..............

nem wime


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FOR the reasonable price LET me send you an engine, aro. z. cowa will mame, as soon either kerosene or gasoline to earn its own as your request for catalog cost while you use it, at a low factory price. reaches me, you can have an 90 Days' Trial - 10 Kear Guarantee
Ottawa engine of any size
$\sqrt{8}$ $\qquad$ You have 90 days in which to try my engine at your work. Every engine is sent on trial and must make your
my liberal 10 year for it-must do everything I say or I want werthithing iligim Kerosene OH, Distillate, Gasoline With my Kerosene engine, you get more power from 8c Kerosene $h a n$ your neighbor can get out of his engine
with 20c gasoline - and - easy to operate-no batteries-no cranking to Cash and Easy Terms My money saving plan of selling makes it easy for you
to own an OTTAWA-the prices arelower-the guat解 Big Engine Book FREE Younhold bata wixt Ceo.E. Long, Pres, Ottawa Mannifacturing Co.
 55 Hing Sineet. Dtawa, Eignco.

## FLOUR CITY KEROSENE TRACTORS



Elowe City tractors are made in five sizes ranging from 12 to 40 H . P. at the draw bar. One of these five
will fit your requirements. Maximum work at minimum-cost is yours with a right sized FLOUR CITY.

With a FLOUR CITY, your tractor's performance is backed by an organization sound, staple, strong: you are assured co-operation and aid throughout. your tractor's service.

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## WARFEED For Cattle and Hogs VELVET BEANS in Pod

Cheap, satisfactory feed for open feeding. Wire for prices. Car Lots only. Quick Shipments.

## F. W. BRODE \& CO., MEMPHIS, TENN.

Established 1875. Incorporated 1915
ked Cake
We will pay you full Prices for your Empty Bags


## SIOO.00 II GOLD GIVEN

How Many Words Can You Make




OUR OFFER

ANOEOYRS TFLMIMRA 00 AINMTO MOFIAEBL YAPBINOH G NOSAAOT TAACRBOY ARMNANTW
give
mot
monh
hig
fold



CAPPER CONTEST CLUB, 630 Capper Bullding, TOPEKA, KANSAS

## TOM McNEAL'S ANSWERS

Teacher's Contract Is a school board In Kansas legally bound months jnstead of 8, months at the ex
piration of the school year, when the said
school board ordered the school closed week on account of a smallpox scare? The
teacher's contract yeads that he shall teach
nine months of 20 full days to the month. The teacher can collect for the full nine months.

## Stopping the Ditch

 There is a deep aitch between A's fieldand the townshlp road. A cuts a hedge along
his field and ples the brush a and the township road. A cuts a hedge along
his field and plies the brush in the dith.
WII A have to remove the brush if the wathr
does not overflow into the road? Che I assume that the ditch is a townright to throw brush into it and ob struct it:

## Insurance

## $\underset{\substack{\text { Aroperty, } \\ \text { former } \\ \text { or } \\ \text { wife }}}{\text { ren }}$

$\underset{\text { property, }}{ } \operatorname{man}_{\text {rea }}$

 widow or the other hirans? The pproperty Is
ingured In the name of the widow, who also
was made administratrix of the estat also has never made a flnal sethe estate but
several years have elapsed since her hutho
band's death. is entitled to collect the insurance
 If the estate is in Kansas you are en-
titled to all of it under the facts as
you state them. looking after your interests but in in probably is not too late. Write to the probate court of the county in which if anything was done about the administration of his property and file your istraim as an heir. $\qquad$
Rights of the Survivor
Aad. and
children children? Can he. take hroperty from B's
in as an helr and take half and then come
demand their share or can heir demand their and tare
erty while he lives?

The surviving busban J. в. ${ }^{2}$ of his wife's estate. Her children in herit the other half. They have a right to demand a division of the es-
a)

Isn't a Girl Reaches Majority
she chooges regarding of age at is 18
or teaving home, in fact for fage,
If the young lady reached the age of
18 prior to May 26, 1917, she attained to the rights of majority, otherwise ing into effect of the date of the gothe age of majority for femoles from 18 to 21 .

## Hog Tight Fence

A and B llve on adjoining quarter sec-
tions. The division fence
and partly barbed wirtly hedge and partly bared wire. If A Ahould wlsh
to fonce his farm to hold hEs or shepp
would B have to suply half the woven wire
for the division fence if the hedge was not for the division fence if the hedge was wire
dense enough to turn hogs or sheep?
If the voters of your township have voted to permit hogs to run at large A can compel $B$ to build his share of a hog tight fence, otherwise not

## Her Property

I married my second husband nine years
I had some property in town. He says that he can keep property in town. He says
draw half of them and can draw hair of it My first husband died,
arving me with, slx chlldren.
are married. Mll My husband has two of boys but
we have always gotten along well. I was
could not interfete with my property. I do
not wlig my children to be cheated out of
it What is whe the lawi in Kankas governing
MRS. B. S.
If your property consists of
tate you cannot sell and give a good title without your husband's' signature personal deed. You can dispose of your out his property as you please withyour real estat and you can manage your real estate as you please without his consent, but you cannot sell it and give a good title to it. In case of your ill inherit one,

Feeding Horses to Hogs
What is the law on killing horses and about 25 head a neighbor who has killed the same every year. You can hardly pass
his place for the smell and it is on the
puble road. If the horses belong to the man and if he wishes to butcher them and feed them to his hogs I know of no law to leaves the decaying lf, however, he they ${ }^{-}$become a menace to the where health, that is an entirely different matter. Complaint should be made to the county health officer.

## Damages by a Dog

A has a dog which runs out to the road along. B and D come past in ar buggy. Thes
dog. runs
smash the but at the horse. causing her to
smasy and throw B and
 Yes, provided of course that $A$ is not xecution proof. $\qquad$
Cutting Hedges The county commissioners of this, Frank-
in county, advertise that they w.llo order ali
hedge fences in the county cut down to 4 hedge fences in the county cut down to ${ }^{4}$
feet, sald fence to be cut by the tand-
owners and if not cut by the flandowners owners and if not cut by the fandowners
then the county commissioners wll
them cut and the expense charged to the land owners. Hedges In this township were
all planted by the men who thewnewned
land
On section lines the hed owne
 and some are but 40 feet, so the hedge
fences are all on private property and at
least 3 feet outside the road line and some
are

these hedges down to f feet, or cut the
down and have the expense added
taxes? If Franklin county has voted for hedge trimming law the commissio ers have a right to order the hedg cut down, otherwise no

## Ownership of Hedge <br> - Ownership of Hedge

Can
hedge
been cut. The two farms?
imes since the
a barbed wires beene fenced set. hog Hal sef
lately
cut
autyai the purchaser sayt was sold
cut ait the hedge, take the posts he
and make
and make us put up another posts and
he farmme. ours is in pasture. The Hi
an old hedge and is worth
I am in doubt as to the fact. the hedge is on the line it belongs other, and cannot be cut down as the

## While the Breweries Run

During a winter in which school were closed all over the land, f tive Mondays in for 10 consecu. the industrial United States, hall of business restricted and hour left in darkness at night, in orde to save fuel, it is interesting learn that one big American brell: ery, the Anheuser-Busch plant, ad mits in an advertisement that uses $32 \overline{\text { a }}$ tons of coal a lday,
about 100,000 tons a year.
Statistics gathered by the Anti-
Saloon League Salown League show that theries of the United consumed $7,264,450$ tons of 1916 to make 58 million barrels of beer. It took 181,611 cars to coal to the breweries and 195,28 ) cars to supply them with grain If only half the beer the brewerien made was shipped it must hav taken 366,151 cars to transport il of 60 cars apiece took 12,384 trains of 60 cars apiece to haul all the in 1916. Add the coaling of the trains to the the coaling of the quired to operate the brewerie and the discovery is made that just the brewery end of the bee business requires a consumption of $8,454,450$ tons of coal a year.
Here are three vital necesitic Here are three vital necessities of wartime being used mous quantities by a worse that useless industry. What about thicy of permitting policy of permitting such an un-
essential business as the liquor traffic to operate at all while put the entire economic system or the Nation out of joint by clowing down industries necessary for the welfare of the people and the con-
ducting of the pay of of the war, and stop the earners, that the breweries wige ally may burn their thousand tons of coal a day and mendous quantities of foodstuff
the consent of the other persin is on the land of the person. If to cut it down, he has a right to build half of a partition fence.

Insurance Policies:*
1 have three
msurance pollicles made of
myselt. Can
$I$ to myseif Can II Irate tope to my childre
as you would any other property NRS. E. A

Yes. You had perhaps better have the policies changed so as to run to yourt estate. Then if you should die be the policies mature they will be dis
tributed as the remainder of your estalt is distributed

[^0]rch 9, 1918.

What Shall I Do, Doctor?
by dr. charlems lerrigo.
The Doctor's Charges.
have a very interesting letter from a
er who wishes to be fair to her docfut at the same time fears that he charging her. He came to her
confer or a confinement, traveling over of bad road, heavy with snow,
ing the last mile on foot. He ing the last mile on foot. He nthe job in was a slow, diffiAfterward, he made two , under better weather conthat did not take so long. It is that he did good work, but ler has to look close after her and wonders if his charge of $\$ 90$
ere very bad, but why should he tis- patients for the condition of roads? Is there any limit to the位: a doctor may charge in a conment case?"
In glad to discuss this because am able to look at it from both
the person who has to do a
onth's work to earn the amount now also that if that doctor been excused from that try isome trip, and that tedious, ting case, he would gladly have the fee and given a handsome nount a doctor may charge for ase excepting that the fee must doctor to a set figure, because to demonstrate that the work 8 greatly in different cases. d, but others protect a figure , b specifying that such fee is onty if the case is normal, and
personal experience has contakes more out of a doctor than wearing, difficult confinement
hould he charge his patient for on of the roads? He doesn't解 He charges for his time and wing done his best, he is just entitled to his fee if the results as if they are good. If you are e and effort at a the output makes the a period when time is the roads impass sired and you therefore buy and must pay a higher price re reader will agree with me very few think country docaid, even tho the bill may chous at the time of settlenstantly one word more to give their services to persons at the payment of a perfectly ems ruinous. Let such a pery the bill will be reduced to that can be met.
Tonsilitis and Catarrh. ister that I am much worrled
has been troubled with tonsilitls
more more or less ever wince tonsilitis
and was
and he tops orf, old. but the doctor a portor
and she had severg a spells of cr that. She is noweral spells of 38 years oid
atn't had any particular trouble her throat seemed to loose tis
lisember Ahe swallows, she says she and bad stomach trouble, as she uscles in her throat don't work ring wise wive a doctor, and he says of the throat, and and has says
gone
and that is what caused the and that when her stomach gets
hroat will get better Her stomther $D$ Dor throat doess't seem
fake? I am think her doctor
am writing you for my OKLAHOMA READER. de ago it was considered good the swollen tonsil, but throat now remove the gland enneeds. The nerves of the e affected, but they are not Your doctor may not be a his judgment and mine do You must remember, howpatients, with the idea of ofpatient's comprehension.

## Why Tractor Makers Bego mmend Oliver Plows to You

The tractor maker knows how important the plow behind his tractor is. His success as well as yours largely depends upon your getting just the plow that best meets your soil's needs.

And he knows that Oliver Tractor Plows assure perfect plowing. His confidence rests upon Oliver's sixty years' of progress that have made Oliver the plowman's choice the world over.
He knows, too, that wherever you are, Oliver nation-wide service is ready to take immediate care of your requirements and assure you constant, $\downarrow$ maximum plow performance and results.

Two Bottom Ploww $\$ 175$ Three Bottom Plow $\$ 220$ Plus Freight Charges

Oliver Chilled Plow Works South Bend, Ind.


By D. M. Lauver, a Member of
The first urgent call of our govern ment when we entered this world war was for a greater food supply, increased food production, in short a
speeding up of our activities. At a time when our country and our allies
are calling for more food, when our are calling for more food, when our
boys are in the trenches to stay there until autocracy is overthrown and democracy is made safe, it should be the special duty of every farmer and farm laborer to give a goot acconnt of his time. We are facing a crisis, not only in our country's history but in our
lives as well. Let us face it as men, with a steady purpose to do our duty in every spot and place, knowing that
there is a silver lining to every there is a silver lining to every cloud, looking forward to a time when the
ctouds of war shall have rolled away ctouds of war shall have rolled away
and the sun of peace shall again shine and-the
forth.

## Democracy emphasizes the individ

 ual right to life, liberty and the pursuit of happiness. With this in mind, in evidence than his duties. What he is to get is more appealing than whathe is to give. In the enjoyment of his he is to give. In the enjoyment of his
blessings, he is apt to averlook what makes his blessings possible. Demoe racy yields individual rights but bal-
ances them with individual duties ances them with individual duties.
We have not been keeping the balance well. Individual rights have been working overtime.
Responsibility
others has been a loafer. Now we are in a sorry plight. We must put responsibility to work. Civilization is at
the crossroads. Shall it go the way of
tyranny or the way of freedom? It depanny or the way of freedom? It
not aloue on our military corces, but on our inner life, on unity in our home trenches. We can't leave it entirely to the state in its official capacity, but we must, in the places where we live, furnish the conditions dividual responsibility is the safeguard of the nation.
The personal question for us is, am I emphasizing the idea of giving or of receiving? The individual must anite
with the great mass or lose we must throw ourselves into the great national purpose or be a Benedict Arnold. Be a real factor for unify in your home commanity. Crucify all personal amA new and enthrone the Christ spirit. Europe. In the midst of death there Is arising the life of a new era for
mankind. Out of this cruelty and carnage will come a new creation. Let us

## Fair Prices for Farmers

The prices of farm products must be fair if maximum production is to be obtained. Governor Gapper has
urged this ever since the war started. urged this ever since the war started. Food Administration on this subject a ew days ago.
Honorable Herbert Hoover
Federal Food Administrato
Washington, D. C.
Dear Mr. Hoover: Doubtless the insistent demmand for price regnlating
made by farmers and stockmen has made by farmers and stockmen has
closed letter, whieh I am taking the liberty of sending yon, eontains so many pertinent questions and so many
suggestions of sound sense that I am asking you to give it your careful consideration. E. W. Adams has extensive farming and stock-raising interare representatind I believe his views Kansas farmers and stockmen as whole.
I do not think it necessary to pre and stockmen of Kancus the farmer and stockmen of Kansas are patriotic United effort to increase food produc most is bepressing made, in the face of the most depressing conditions that have
confronted us in many rears. The situation becomes still rears. The sit when, in addition to these conditiong onr farmers and stockmen face actual losses and believe that their interests are not be
should be.
Within the last few days it has been my privilege to talk with many repre sentative farmers and stockmen of Kansas and its adjoining states. They are of one opinion, and that is at the present prices of corn and other feeds necessary in pork production, the man
who is feeding hogs faces actual loss. Who is feeding hogs faces actual loss.
This also is true of the cattle feeder.
The prices being paid the producer are not sufficient to provide a profit when present feed prices are paid; and
with the price of corn steadily advanc ing while pork prices are just as stead ily declining, it is not to be wondered at that the farmers of Kansas and other states are sending thousands of light-weight hogs and cattle to the packers instead of finishing them as woy should be finished; nor is it to be the number of bred sows of increasing

## Replace Men and lincrease Farm Incomes with E-B Power Farming Implements

# E-B Power Farming Machinery is extremely simple 

 and particularly designed for operation by the engineer without help. Fewer repairs and adjustments lighten work and reduce delays.n the farms the average farn
osing of his surplus stock posing of his surplus stock that with corn to be somerwh the $\$ 2$ mark next fall, mucl profit can be reutized thruch grain than thru feeding oper is plain that unless somethin to stimulate pork production stop to the selling of sows face an alarming shortage in
duetion next year.
kepresentative carmers, m he National Farmers' assoc donented this Kansas City Fe dopted this resolution. The National Farmers $\$ 15.50$ minī̄nm coration, on hogs at the chicago materially below the actua production. This fige actual pressing production and is ah pril the future supply or the successful prosecutio war. Owing to the radical cl eon cost occurring since nays or November when tice both to the farm and supply, iusist that hog-pric ance rimuster.
A A similar resolution was last week by the Kansas S Stock association, one of the

These resolutions undoub press the sentiments of men not only given the situatio
sideration but also are pu ctual farming and feeding seems to me Mr Hoover, ion must be taken, and th ers' inter not be delayed. only in bels mase be safe tionul interests.
With fearful consequences if we fail in our food'stpply, are justified this year in goin to any leugths to guarantee tion and or food the cost tion and a liberally fair pro as virtually has been done in of other will have to be sufficient to meet fulyy and to compen widely varying conditions. nite and sufficient promise matle and made soon With a minimuin price set and a minimum price sel on may be necessury to set price on corr and cattle t the breeder and feeder of each case, in my estimation, only prevent the deplorable which farmers and stockme possible for them, and shot posshile for them, and we triotic reasons-to do most to increase their output possible way,
I do not see how we dar ising imquake farming this crucial jeup pending on a food supply no possible cireumstances needs.

Respectiuliy

Abnormal Prices for $F$ of alfalfa hay. A year ago t
west was a heavy buyer of winter of 1916-17 in that ter ing been severe, with larg
livestock. The Kansas City is receiring the bulk from the Northivest. A City sent hay into that area
Alfalfa Alfalfa molasses product
molasses feed and alfalfir molasses feed and alfalfir
lasses feeds, tho not in a pos ilar to that of corm, mill feed mand, with relatively low pri asked by manufacturers are subbstituting alfalfa mol ucts on a large scale for
shorts. corm and cottonseed
Feeders never before expe
period in which a study of market conditions prevailing promised greater returns in ations. Despite difficulty ib
shipments on railroads, the $f$ shipments on railroads, the all who handle livestock.

Usually the pig eating sow
arch $9,1918$.
Notes from Johnson County
by frank Mcgrath
The water problem has been quite a rious one for. the people ias this punty. Howe water in the creeks and elted, up some wells along the valfeys. lled up some of water-all along from we had we dug last October in the bed well we dug The stock were driven
the creek. The this well, which was of the principal chores all winter. he last th
Cattle and horses never did better on e stalks and straw stacks. The range ns large; 80 acres of corn stalks,
wineat, 20 of timothy and 20 of wheat, 20 of been at their disposal 1 winter. The volunteer oats in the
heat field was relished. ; The straw heat field was relished. The great feeding value. We We aced This kept the bluegrass prime stock liked it better than hay. did not lose any animals from lk poisoning.
A neighbor went in search-of some re last week. One man asked
ton for his timothy and clover ton for hised hishy prairie hay at
hother priced his prairie hay at
the prairie hay was baled and
oser to his farm, he bought ${ }^{*}$ Farmers are able to secure rs for shipping hay than they last month. Three cars of al-
were shipped from our trading esterday.
It got so cold in February that we 1 to quit plowing in the field. We now hauling off our oats on an 85-
it market. The roads are fine. We market. The roads are fine. We grain down and using three om this farm yet. There never was much grain hauled to our town as is late last fall on account of the maturing at so early a date The elevator is paying $\$ 1.50$ busiel for white corn and \$1.43 for

[^1]Johnson county is trying to solve the ring called question. The schools are alled on to conduct tests under ervision of experienced men. we have done no testing altho picked out several bushels of
These will be tested ears. These will be tested
they will grow.
Before work became too pressing we ad our pile of wood sawed. About 50
oidls were sawed up in 8 hours. The harges were $\$ 1$ an hour and we figure
e got a bargain. Nothing becomes 0 irksome as to have to cut a pile of
vood every evening after coming in ont the field. This wood is elm, oak rading point offer to buy all we can ate ind haul it for $\$ 3$ a load.
Machinery Increases the Yields
(Continued from Page 3.)
outfits run by a tractor are
outfits run by a tractor are
use for the irrigation of 5 and for gardens, small fruits, or-
for for gardens, small fruits, orIt has been proved profitable water from 70 to 100 feet by nower for the production of crops. . it true that some of lopments of nodern machinery bee been suggested may not
But some of them will; the "s" who were knocking on the tive years ago have been rong. In these days no one It is well to remember, too It is well to remember, too,
actically no new machine comes market without opposition. Alery new invention has to fight in was burned, because it was would render the slaves it waseless
wournd would render the slaves useless
ould bring on a serious economic lem. The reaper had a similar
 acement of the ox by the horse. muly of the ox by the horse.
mill was nat argued that the animal. Hargreaves' first wnin Jemny was smashed by neighbors. knitting mabeth forbade the use of
because she it would destroy the hand knit-

THE FARMERS MAIL AND BREEZE

This bulletin is one of a series of similar reports published by the Geological Survey and should be of great value to surveyors and engineers who have occasion to use bench-mark elevations in laying out railroad or other lines, where accuracy of elevation is necessary. the bench marks that have guide to the bench marks that have been set by the government engineers, bench marks represent the elevations bench marks represent the elevations the levelmen, the bulletin gives the exact elevation of each point so marked to thousandths of a foot. The highest point in Kansas not marked is shown on the Cheyenne Wells topographic map. Its elevation above mean sea level is about 4,135 feet.
The greater use that is made of the results of the work being carried on by the government the greater will be the benefit to the people. The Geological Survey is doing its bit in this work by freely sapplying the data it obtains, and until the edition of Bulletin 571 is exhausted a copy will be sent on request to the Director of the Survey at Washington, D. C.
The survey also will be glad to sup ply, on request, a small index map
showing the published maps covering showing the published maps covering
parts of Kansas and listing the pubparts of Kansas and listing the pubgeology, mineral resources, and water resources of the state.

Here is a Real "Hog Talk" (Continued from Page 12.)
ucts that pass thru the great packing houses of the United States is pork. The hog is king and the backbone of American agriculture, but today we are short 6 million hogs. Every farmer hould increase his output of pork at least 30 per cent. Today the eyes of the world are on the battlefields of Euope. Already our American boys have f thousands are preparing to of thousands are preparing to go, and our bit. Herbert Hoover has said that every hog is as important in winning the war as a shell, and every pound of pork as essential as a bullet." Empty guns are about as effectual as empty stomachs. This being the case we have duty to perform for our nation as well as our allies.
Some may say "We will over supply The demand. There is no danger, for pork years to come. We must grow Europe feed the millions of people in to grow pork for practically the entire civilized world for years after peace is declared or until the countries at war can replenish their supply of hogs. This being the case there is going to be money in the hog business for those who profit in producing well bred, properly fed hogs.


## "The new $14-28$ sure is a rea/ OilPull"

TUHAT'S the way a Kansas farmer who bought one the other day, put jt. And he hit the nail right on the head. Just consider this-in the 14-28 you're getting more than just a small, light weight, easily handled tractor. You're getting all that plus the well known Rumely OilPull dependability and long life-guaranteed ability to burn low grade fuel oils at all loads, under all conditions-automatic speed control-oil cooling. You're getting a real OilPull.

Nor have strength or power been sacrificed in making the 14-28 a light weight tractor. It's a big power outfit-capable inch thresher with all attachments.

And you'll find the 14-28 extremely easy to handle. The platform is just a step from the ground-all operating levers are within easy reach and all working parts easy of access. It has an automobile steering device. It is short turning. Ap air starter is part of the regular equipment.

Then there's the patented shifting device that makes the 14-28 equally efficient on drawbar or belt, with no sacrifice in construction. The 14-28 catalog explains it fully-we'll just been made in tractor construction.

## Get These Special Catalogs

A new OilPull catalog is just out. Besides covering every detail of the new 14-28, it describes the medium and large size OnPulls, the $18-31$ Ideal thresher-the $20 \times 36$ Junior the catalog of the new sman by a small size tractor. Just ask our nearest branch.

ADVANCE-RUMELY THRESHER CO. LaPorto-
(Incorporated)
Indiana
Kansas City, Mo. Wichita, Kansas

## For your protection-a written guarantee

A tractor's ability to burn kerosene or other oil fuels can't be established by claims or "near" guarantees. You are entitled to know what kind of an oil burning outfit you are buying, and the only way to protect yourself is to demand a written guarantee such as goes with overy Oilpull.

Remember this. A tractor either burns oil economically -at all loads-under all ,

Don't be misied by word of mouth claims or guarantees that "talk but say nothing." Demand what you are entitied to -a fair and square written guarantee.


ADVANCE-RUMELY

## A "W" For the Colts

So many inquiries have been re ceived regarding the construction and use of the "W" in "breaking" colts,
mentioned in an article some time ago, mentioned in an article some time ago,
that it has been too grent a task to swer all personally. One came from readers to learn that the mule that was becoming unmanageable about which we wrote is, after two lessons with the "W," as easily handled as any mule we have or had. Buyers have re-
cently beught all the mules we have cently bought all the mul
but this one and another.
The first step in the construction of in diameter to each fore leg just above the foot with the ring to the back. hame strap will go around twice and buckle. Then get a $1 / 2$-inch rope 25
feet long, one that has been used enough to be easily pliable. Tle a ring 3 inches in diameter in the rope far enough from the end so that it may be passed around the body and then tied not slip. If it should and the cancingle formed by the rope should surthe power will be lost and the animat may be able to get away. The rope is passed around the body just back of the fore feet and tied securely. The cope around the body must be rather tight, just loose enough so it gives the

The free end of the rope is then run the ring in the surcingle, down thru
thru the ring in the surcingle and so to the operater. Untie the animal, tie the halter rope around the neck, iead it out of the stable and let go the halter. The animal can easily be held by "W" between the feet made into a ", between the feet and surcingle. rope tight. The animal will be bronght to its knees. If it is then hold tight a short time it will life down. Come ap to the animal from the back, eatch the halter, the purpose for which it was ent on, and hold its head off the dle its head ors it, over it, and hanof considerablegs, and tile a lesson will go far to make it think there is nothing you cannot do. It may be put it attemp handied more than once ir twice is ats to get away but more than

By tightening the rope or "W," bu not enough to bring it to its knees. it stop at in this way it is taught o stop at the command. It also ca readily be taught to start at command. If the animal is wild we alivays go ised to being handled and is inclined to be "bossy" we go behind in inclined it. A short, stiffe buggy whip is ex cellent to guide it.

Two objects are to be attained. leve the animal must be made to behing we command and second it anynot be surprised at anything we do. It will soon stand when quick motions be rough. After a little tramin not he ring on the surcingle, down thru always get on and ride. Should it he ring on the other foot, back again buck it can be quickly controlled by
tightening the "W.". If it is necessary fit, but it is made to get to its feet at nee. But when it is on its feet we are on its back and usually have no ways is in riding. Training in these ways is given for half an hour or more The harness is then put on and it is hitched to a wagon to which another horse has already been hitched. The nd of the rope whieh we have been lanaing is run thru the ring in the hame thru which the line runs and een back to the wagon. It will be from the once that we can control it danger of its running away or doing lamage by plunging.
Sowing oats has been finished on this farm. The greater part of our neighbors do not sow untí in March Last year we finished February 22 broadcasting 1 bushel to the acre and harrowing it in. Fifty-three bushels convine were threshed. Experience has at any time.
There had been no rain to the first to Aprin. A bushel of alfalfa seed harrowed in lightly. The oats and well before the harrow went looked them. Neighbors passing along the road said we had killed our oats, but the roots had not been disturbed and no damage was done. This year we
shall sow both clover and alfalfa in different fields o $\qquad$ ats.
We have just now been recleaning and grading the elover and alfalfa seed
threshed last fall. Clover seed has

 8 H. P. Only 320 lbs. 4 H. P. Only 190 los. Cushman Motors weigh only about one-fourth as much, per horsepower, as ordinary farm engines,
but are so well balanced and governed trat they run gines. They do many jobs in many places, instead of ne job in one place. Sizes up to 20 H. P.

 To DoAll Your Work Em@wn SHP ON HAY BALER
SAM ENGNE OEED
FOR AHE OTHER WORK Instead Of $A$ ovivian Heavyweight


Light
Weight
All
Purpose

Arthuan mwink inh, whiteon





## What Cushman Motors Will Do

 Cushman Gasoline Motors do all the farm work any farm jactinery, such as binders, corn binderes, corm picicres, hay balers,

 CUSHMAN MOTOR WORKS

Before You Buy Any Engine Ask These Questions
 Is istint reason? it prortio-governed? A throtte vernor insures stead, , quiet.ecorotiom Hataioperation ir ruroter The Cushman
 Hacriteretriction olutoh pulloy? The


Linooln,
sold readily at sis-a bushe mall demand for alfalfa seed.
Usually this part of the roe cuttings of alfalfa. crop the second must be
stand to-mature seed. only two hay crops anyway ing is lost when a seed erop However, neither will make wet fall.

## A Record With Hen

are, and then endeavor piees or pouitry and eggs ance with the prevailing leed and labor.
ion foody in the Food preciates the Hoover down, tremendous production of poil ing the current year, and te assume that of Mr . Hoover, te assume that he will look Food Administration pory rai statement time after time pects everybody to time, profit on their products
trength of that assurance, eneouraging poultry producers class to produce to the limit capacities.
lemañid fertaliny wil be the cur loe poultry and egg. tail it will year, and unless eating them thru necessity choice. It has been prety rat ral oceasions that it would ong before there would be is not surprising whent public the supply of hogs and cattl creasing so rapidly.
It also has been predicted ply their owñ food on accoun inability of the railroads to ade handie the war situation. has a situation right now oo discontinue the acceptan casses of freight except food
so that it is not dffficult to a situation where the railr not even handle the We for every community. sider it his patriotic duty the facts I have given at ducing opportunity, with poultry production and ime induce others to much-needed pouitry supply ing even a kimited number o he back yards.

## A Profit from Phosphorn

 Phosphorus has been applied sor with profit in tests adinfarm at Manhattan, according Throckmorton, associate prof cultural college. In the form of acid phosph an on eorn, wheat and alfal same land, and phosphorus plied every year. The soil
typical of Eastern average of $31 / 2$ bushels an ald nual applications of $8 \theta$ pound year with 75 pounds of this produced an increase of 6.7 Alfalfa given 190 poun acre, which was 36 ton more falfa produced on untreated "Phosphorus is the only fertilizer it usuathy pays to
Kansas soils. It has been par effective on wheat and alf plamed professor rrockm Potassium has not been gi ing returns on any of the crop gen applieations have somet
followed Dy slight increases which are, however, negligi proper tillage and rotation The time to apply phosph when the crop is just ready
growth. For wheat, fall is time, but a quickly arailable as acid phosphate may be appl as acid phosphate inay be app
in the spring.

## Farmers Met at Kansas City

 The National Farmers' asseciation, the third annual convention asenbled, at Kansas City, Mo., on theirtidiay of the Father of our Counirtiday of the Father, of our Coun-
February 22,1918 , in patrietic v. February 22, 1918, in patriotic irit, adopted the following resour-
ons. They are expressive of the will ons: They are expressive of the will
nul voice of the farmers assembled as elegates from the several states and ctions


 consideration, and corn beef bring beeng taken
filiation should
fixed Inmedtately to stop the enormous
destructive losses now bein
ational Farmers' association, arter
ut consideration, declares the $\$ 15.5 \theta$ mini-
vil or controling price on hogs at the he or controling price on hogs at thi-
materitally below the
market is ctuil ost of production Thaterially fis figure is the al-
ndy epressing production and about to
 c successful prosecution of the wars. Owing
the radical changes on corn eost occurring
nce the early days of November when the
hog prices be at once oi Board has fixed the price of some con- farm
of that
oducts that we, the National Farmers' asciation, demand that a price be fixed on output of al factories and mines, to to-
ther with the finished products of thee out-
th of the packing plants of this country,
 anable profits are being exacted that
ay be regulated by the government.
gother that we protest against further
Rocolved, trice on
 Be it resolved, that. on all price fixing

 oare hoiding hides to sell them at a rea-
onaite priee, based on cost, thus supplying
thatioged shortage, and we further
 Nod, that we oppose the payment to
wiroids of a profit on wateded stock dur-
is the time they are under sovernment Wir rates, and we fased on actur freight and pas anations.
We roonnize farm labor as being one genize farm labor as being one of
atest problems that now confronts
nican nation, and we herewith action of the and we herewith en-
ashington, asking Congreal commmitadministration to $\begin{gathered}\text { fursough the al } \\ \mathrm{rm} \text { labor, whereln it is possible to }\end{gathered}$ rm labor, whereln it is possible to
a means to help solve the farm Heve the requests and suggestions
regoing reesolutions are just and for
interests of the nation, and will Interests of the nation, and will
a a greater production of farm prod-
a will materially ald in winning the
E. H. BULLOCK,
JEWELL MAYES,
L. W. REED,
L. W. REED,
C. OUAINS
A. MUNGER.
D. T. MADDUX
A. T. MADDUX,
T. HEP.
GeWITT, T. HEORGE WITT, MCARTHY.
Resolutions Committee.

A Better Seed Situation
hefieve the seed situation is going to Hernment is already arranging to eds, und its buyer is busy securing his seed. This is going to stabilize milly, in fact I believe prices are the poingicity down insten out by of the due . of defense and as a by the coumPractically 500 in to buy the seeds. here every day from all over the
tate to be tested for germination lest of it is rumning rery low in gerWination. The big problem is to perbathe furmers to test their seed before row, mad order th know that it will
fise mistakes. Ien A. W. M. Jardine.
An Apple Trees and Two Big Magazines for $\$ 1.00$
Fol only $\$ 1.00$ I win send you pre-one-year old Apple Trees $(2$ ans and 3 wealthy) and a two mbscription to the Household Missouri Valley subscription R. W. Macy, Box 20 , Capper Topeka, Kansas.-Advertisement
To Help With Sorghums
An excellent bulletin on the sorKanss has just been issued by the
in Gita Agrieultural college. This Growing Sorghum in Kicultural college. This as written by C. C. Cunningham and it alph Kenney. It Should be in the his crop of every man whe is growing
The bulletin can be obtained ree on application to the college.

## Before You Buy Your Plow, Harrow, Corm Planter or Cultivator Know All About StituEx Implements At Factory Prices <br> Mark and mail coupontoday. We will inmediately send you full descrip-

 tions and prices of the implements you want to know about. We can save you money because we own and operate the Racine-Sattley Factories and sell to you direct at factory prices. When you consider that Sattley Implements are known and used from one end of the country to the other and for over 60 years have beon recognized as strictly high grade standard farm tools, you can't afford to buy any implements of any make until you get our prices.Get our prices. Compare them with the prices asked for any farm implements bailf. -Get our prices. Check and mail the $\rightarrow$ coupon today. Mon pomerillatigk CHICAGO KANLSAS CITY R. $\mathrm{F} . \mathrm{D}$. $\qquad$ City



-


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 Booklet Freen F.D Chemical Co., Ft. Dodge, It Eond tor FARM WAGONS


ONE MAN STRAWSPREADER
Baby Chicks ${ }^{20}$ 2o keadins varictiee


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 .

What Food Control Means

## recommendation the Food Administration undertook, so far as the influences

 of these purchases made it possible, touse the purchases for the purpose of use the purchases for the purpose of
maintaining a minimum price for live hogs in Chicago, in order to prevent an undue fall in the price of hogs during the larger packing season and thus the discouragement of the producer. Beyond the above. the Food Administration has no powers or intention to in any way interest itself in price.
Aside from these matters, the Food Administration has been actively interested in the elimination of profiteering and speculation in the distributing trades by regulating the proits to a pre-war normal basis in order that no greater tax should be placed upon the consumer by virtue of the high prices ers' receipts. A still larger duty hes been the maintenance of the has course of food distribution in these times of the greatest dislocation in which the Administration is called upon hourly to help in many directions. The law of supply and demand is not seriously disturbed by the condition of overseas transport and overseas market in any other food commodities than those mentioned. The law of seriously interfered with in the other
food commodities within the United
States during the last three months by virtue of the cumulative shortage, irregularity and disturbance in railway transportation and consequent delay of is considered, however, by the Administration that the solution to this situation should be obtained by the increased mobility of transportation and thus the restoration of the free flow of commodities.

Let's Put 'Er Over the Fence (Continued from Page 1
milk and tankage, and they were runaing on green pasture.
"The pigs soon weaned themselves so I took the sow from them and fattened her up a little, for she was very thin with nine pigs suckling her. When she was fattened up
out of the contest
"I increased the
I increased the pigs' ration about every week, but I didn't rush them, as good growing condition, and them in tainly did grow rapidly. I kept theirsleeping quarters clean all the time When they weighed about 150 pounds I had them cholera immuned. It didn't seem to make them sick only they didn't eat so well for two or three days. didn't eat so well for two or three days.
I never had a sick pig during the
whole contest. On December 15,. I
produced 2,165 pounds of pork, and test, made 2,165 pounds. I think the Capper Pig Club is a mighty fine thing."
W. W. Jones of Clay Center made me a pleasant visit last Saturday. Mr. Jones has proved to be one of the best
boosters for the club and we are expecting big things from Clay county this year. He tells me that Elmer who is in the army. Writes him that he has gained 40 pounds since he enlisted. Mr. Jones was recently elected secretary-treasurer of the Kansas Duroc Breeders' association.
We have two more enrollments in the father and son contest-Mark Hulett and Funston Hulett of Linn county, and A. N. Thomas and Carl Thomas of Ford county. Both of the boys mentioned have been hustling to complete their county membership. Funston has lined up a number of boys in Linn and they only lack two boys of completing membership. In Ford put them in the race for the special $\$ 100$ prize. Don't forget that if your dad is going to get into the father and son contest he must sign up an application today and have you approve it. In sending the entry for Jenkins \& Son think Dad will make a good club me
. I have him interested and wemwighed my pigs and found that I had going thru with the contest work.

## Grip the Road WEEDChains

 Chained
## To the Road

## That's what it amounts to when you use

 Weed Anti-Skid Chains. They have made the automobile an all the year necessity instead of an occasional passenger car.Heavy, slippery, muddy country roads-almost impassable after rains-are responsible not only for thousands of automobile accidents and aggravating delays, but are extremely treacherous to life and property. Why not prepare for accidents before they happen-not after. It's wisdom to equip all four tires of your car with

## Weed Anti-skid Chains <br> Absolutely Necessary on a Farmer's Car

Slipping and skidding are entirely due to a loss of traction. Perfect traction on muddy, slippery, greasy roads is impossible without Weed Chains Wheels equipped with Weed Chains automatically lay their own traction surface. Friction is effected without affecting the tires for they grip without grinding-hold without binding. They hold on like a bull-dog, always gain their ground, prevent side skid and drive slip.
No other device has ever been invented that takes the place of Weed Chains. They are the only traction device which can be absolutely relied upon at all times and under every road condition.

## They Do Not Injure Tires <br> Because They "Creep"

Weed Chains do nof injure tires even as much as one little slip or skid because they "creep," that is, continually shift backwards around the tire and thus do not come in con. best steel electrically welded and highly tempered. Sizes to fit all styles and makes of tires. If you drive with chainless tires when the roads are slippery or muddy, you are taking chances with your own life, you are liable at
any moment to have a serious mishap and you are risking the probability of aggravating delays. So stop at your dealer's and equip your tires with Weed Chains. Do it today-before it is too late.

Sold For All Tires by Dealers Everywhere American Chain Company, Inc. Bridgeport $\widehat{\bullet} /{ }^{\circ}$ Connecticut
Also Manufacturers of Weed Chains for Motor Trucks, Dobbins Blow-Out


I'm quite sure that there quitters in the father and son cla Altho we expect to complete bership in a number one county, Marshall, has rolled since last report. for a complete membersh who is a 1917 member has. who is a 1917 member, has
ing. "I'm mighty glad to the Marshall county complete," Lovern told me whersh fied him that enough names enrolled, "for we expect to make hum in our county this Shepard will be a near mine, and we have already a swimming hole." That good to the other Marshall Patrick Mulcahy, who won the C Corn Club championship, has lined for pig club work. Here are the Jan all county members

> MARSHALL COUNT

Name Jellison, videts,
Lovern Jellison, Vitets, R,
Edward Peacock, Blue Raplds
Waland Bennet Wind
Wayland Bennett, Buae Raplds
Steven Kotaplsh. Irving
Steven Kotaplsh, Irving
Arlo Smith, Vermillion
Lawrence Mitchell, Vhlet
Patrick Mulcahy, Lillis
Wayne Hodges. Marysvili
Donnie Payne
Donnie Payne, Axtel
Willis Jellison, Vllets
Some of the club members are ing difficulty in finding contest I should be glad to have every breef who has good bred sows or gilts th he will sell for not more than $\$ 10011$ breeding stock with me. No member tho, need expect me to purchase a sin
for him. Securing a sow is part of for him. Securing a sow is part of 1 business training we are giving
and the contest manager has a and the contest man
things, to do anyway.
I'm getting a line on county leader You may expect some appointments
fore long, and the names of the conth fore long, and the names of the conth Mail and Breeze

To Grow More Good Berries (Continued from Page amine every plant and destroy to borers. The cane borer makes itse known by the girdled tops. Cut burn them.

Anthracnose is one of the most ride spread and serious troubles of rasp berries and blackberries. The disele is very noticeable on the canes, wher
it causes purplish spots which chang it causes purplish spots which chang sunken. When the disease is sunken. When the disease
these spots become so numer these spots become so numerous as
cover large portions of the older cand causing the bark to scale off and th wood to crack.
The simplest and one of the mat important control-measures is out all old canes, as soon as is harvested, and a which are diseased, and burn Spraying, as follows,
the disease in check:
the disease in check
leaf buds open, with
leaf buds open, with copper sul
lution, 1 pound copper
lution, 1 pound copper sulfat
gallons of water. 2. When gallons of water. 2 . When
are out, with Bordeaux are out, with Bordeaux mi old canes removed, use Bordeal again.
ttacke blight is a fungous disease thit bark and wood at some infecting the cane, causing the part die. Thus, an entire cane or of it may succumb. The dise
fests itself about the time fests itself about the time
ripens and is characterized ripens and is characterized of the ing up of the leaves and berries. the preventive treatment
the case of anthracnose.
the case of anthracnose.
Orange rust is a serio blackberries an pimples appeating on the underad the leaves. These burst and spores which enter other
the foliage, thus spreading The mycelium or root-like fungus finds its ways into the cane and even extends
ground, becoming a perpet ground, becoming a perpetual sol
of infection to all of infectio
the plant.
the plant.
Since it is impossible to sare an in fected plant, it should be dug up spred of the rust to healthy plants. Bor of the rust to healthy plants. foliar?
deaux mixture applied to the will tend to prevent the entrance the spores.

One of the first ways of increasis the profit in dairy

## Farm Labor Bureau

Kansas State Agricultural College, United States Department of Agriculture, and Kansas State Couneil of Defense, Co-operating.
in view of the present NATIONAL CRISIS, can you, and WILL you, PATR1OTICALLY or otherwise, be available for hired service, for wage in by CONTRACT, at any time within the year
liease fill in the blanks of this QUESTIONNAIRE and hand or mail to rour COUNTY AGENT, SECRETARY OF COMMERCIAL CLUB, or E. E. FRIZELL, MANHATTAN, KAN., at once, and we will credit you for doing a splendid and necessary NATIONAL SERVICE.

## LABOR AVAILABLE

Name
Address, P. 0.
Phone
single ........ Married
If married, number in family
Work wanted-singly.
With team or collectively.

Alone.

By contract.
With outfit
For wages.

Wages expected
Skilled
Occupation
Experience
When available
Names:
Referenees
Addresses:

Fattening Rations for Beef By H. J. GRAMLICH


 ne tattenthg period?
Your ration is lacking in' protein and am confident that you would be ell repaid to purchase either oil meal cottonsced meal to feed with this orn and the kafir fodder. On that rain of the corn they wish. I would be In of the corn they wish, I would be hay of cither oil meal or cottonseed neal. If you include alfalfa, it is wible you might not be justified in fihy yrotecees supplement.
The snapped corn at $\$ 1$ a bushel is
Emul bey, provided it is reasonably
We have one lot of our
iy this winter on sapper corn,

$$
\begin{aligned}
& \text { tonsed cake, nd alfala hay. These } \\
& \text { ntrle are eating, now, } 24 \text { pounds of } \\
& \text { napme corn. } 21 / 2 \text { pounds of cottonseed }
\end{aligned}
$$

The steers

$$
\begin{aligned}
& \text { Ther nom coutte that would have } \\
& \text { whered nowt the same as your cattle }
\end{aligned}
$$

Wh surt of the test.

Woan up the katir I would be inclined fowlink that you would be justified in some nffalfa to these fattening from now on, rather than the e fistified in keeping alfalfa and
17. They would not eat a great deal of either, but would appreciate the variety. You will note that our cattle where receiving snapped corn, are only
taking of their own will 6 peands of taling of their own will 6 peands of alfalia hay a day.

## Planting Blaek Locust Seed

I have some land in Southeastern Montana, and woula ilie to plant 1 or 2 acres to Black
locust trees. How shoula the seed be treated

Black Locust seed usually is planted after danger of frost is past in the spring In other words, you would plant them about, the same time you would plant beans or other frost-tender garden crops. It is a common prac-
tice to soak the seeds in hot water before they are planted. In water be is necessary if you expect to fact, this is necessary if you expect to get a good seen the seed put in a wooden pail seen covered with boiling water. In this case only enough water should be used to cover the seeds. They are then allowed to stand until cool enough o handle, and planted. I think it is safer probably to use water somewhat seed soak longer. i do not believe there would be any danger of injuring seed if covered with a quantity of water at 150 degrees and allowed to soak for 24 hours.
The better the hog the less the food pork. in the production of a pound of

Butter color will not cover up defects in grain or flavor.
y $\$ 2, f 0$ subseription in soon to run out; enclose $\mathbf{\$ 1 . 0 0}$ for a one-year subseription

## Speciall Subscription Blank

Publisher Farmers Mall and Dreeme, Topela, Kan.
Mail and Sir-Please find enclosed $\$ \mathbf{\$ 2 . 0 0}$, for which send me the Farmers Mall and Breeze for one year.
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SHOURDERS OI STRENGTH
AJAX ROAD KING
These supports ars built into
"More Tread as she Read". Ajax Tires, giving them "more Ajas Road King proves its sue read ontheroad"more rubber where it should be. These houlders make Ajax une long fastfor allzoads. "Shoul. ders of Strength" mean longer wear because road friction does not come in one spot to weat
 periority on all roads. Guaranteed to up hold Ajax repu tation for service. Ajax Road King gives proved. surety under wheel. Truly 2 monarch in qua) ity, a dem in qua ity, a democrat in service. Note the triangle barb tread factor.

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Of the total output of Ajax Tires, $97 \%$ are singled out by car owners
to take the place of oher tires that came on their cark This is an unequalled endorsement of $A$ jax quality. Write Sor baoklet on "Ajar Shoulders of Strength." Mailed free. AJAX RUBBER COMPANY, Inc., 1796 Broadway, New York Factories: Trention, N. J.
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## ut this ad out <br> Cotton Seed Meal and Cracked Cake

-Our Brands-

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B. B. Brand
$\mathbf{3 6} \%$ Protein
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## Sunday School Lesson Helps <br> BY SIDNEY W. HOL

Lesson for March 17. Jesus sending orth the twelve. Mark 6:1-31 Golden Text. Freely ye receire freely give. Matt, $10: 8$
Another title for this lesson would be "An extended personality" for in reality that is just what Jesus did when He sent forth the 12 men He had been training. Gradually He had gathered them together and in the middle of His public ministry He set them apart to be with Him the rest of His life, and however undeveloped they may have been in the beginning they possessed the largest possibilities Day after day as the nat
f the companionship and the result example of Jesus's and the continual grew in the hearts of these simple, imperfect men a deep, intense love which. backed by their devotion and-admiration, finally developed men of such character that they afterward proved to be the most influential instruments in handing the Gospel down thru the ages. Had Jesus taken perfect men to start with we might have thought the Gospel a beautiful story, but it would never have held the wonderful appeal
that the growth of these men holds, for out on their new task just as ordinary we realize from their difficulties and men in their ordinary dress, walking means temptations just what Jesus from place to place and earning the result will be if we follow the goal They were given a definite field to ever held before us.
work in: that is, they were commanded ng Jesus decided to continue the work the road that led to the surrounding, thru an extensive method. The work nations, but to go rather to the lost was growing every day to such an sheep of Israel. This is not so selfish extent that their field of endeavor also as it at first seems for it does not say must increase. Jesus also wished to that they are never to go outside, only see how they would work without His that in Galilee was the best starting visible presence, for in a short while point. And this was true, for the Jews they would have to work alone. This as a nation had had a long training in resus was their spreading the love of their testing time
And He called unto Him the 12, and began
two.
So whe
each each
Is quick to plan and the other
ut when alone one seeks the teach;
His skill is weaker and his thoughts
are slow."

In all works of definite purpose twice one is more than two. Very few persons are fitted to fill all the dewisest and the most successful and the work in pairs.
Endowing the disciples with the over unclean spirits Jesus started them
expected Messiah. They had the prom. ises of the new. They had the promises of the new kingdom and were were acquainted with the people, and as poor men they could the more easily get work enough to sustain them while in Galilee.
On reaching any city or village, they were first to seek for some family that had heard Jesus or one that was worthy of being associated with them in their messuge of peace and hope. Here in this auiet manner they were to live their gospel, teaching it thru the example of their daily lives, perhealing that Jesus had given them power to do.
The modern church of today is often declared by quite prominent people to be declining. despite its steadily

## That Label says VALUE

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creasing numbers and gifts, much of its work is done thru the ganization outside of the church. the work of the church. The ligious organizations like the gre C. A., Y. W. C. A., rescue the pitals, schools and colleges are the instruments that are making world better, healthier and hap They are simply the church hap doing the things for which the is training its members.

## Care in Hardening Plants

No plant should be taken dir from a hotbed or from a box weather conditions. The change shon be made gradually. Sometimes thio accomplished by first removing sash on warm days, the
days, then on warm nights, on cool nights. With plants sliftel beds or flats, however, it is better move them to cold frames covered wit glass, and gradually harden them finge. The cool-season plants m frosty be subjected to
should but the warm-season should never be exposed to so 10 m
temperature. Besides plants to cool conditions, exposing piants to cool conditions, they them healthy, so they will customed also to the dryer of the open field. One should surprised if the cabbage plants purple and the head lettuce to bronze-red color. These are in tions of well-hardened plants.

## Fistulous Withers

Ithave a horse which has had fisturn discrs for three years. There is a
diste. How can I cure him?
Nebrask.

I do not believe that there medicine that will cause the up. The constant disehum dence that constant discharge dead tissue in the is some disc and that the wound does of the ficient drainage. Correct therefore, consists in a surgic:
tion which will remove such sue and which will give such de age to the wound gifer whicher drail dition is to be treated by duily ings with some mild antiseptio view of the fact that this con has existed for three years and longe in my opinion the chances of obtainim a permanent cure are not very good The surgical work in a case of this kind should be performed by tent graduate veterinarian.

Improved breeds of hogs im hog profits.

## Very Much Awake

The Farmers' Union of Kans at its recent annual meeting welt on record with some resolution
which show that the head Which show that the headpipere of
the man on the farm is workin? Here are a few of them:
We heartlly endorse the goverg:
ment polley of price-fixing and a a;h that thency or price-fixing and asernment contron of prices
be extended to cover every commidity be extended to
in the market.
We demand of rallroads and and ownership of ratirroads and ant other puthl
uttilitles. such properties ot be bacquired
and paid for at their actual physicil and paid
value
Be it resolved that the president
appoint a commiltee of three livestorts
men at this meeting men at this meeting to in
some of the independent
plants and formulate a pla
operate plants and formulate a a plan
operate co-operatively
plants; wit

a par value oo pledges for
and shar
when the necessary amount is
to make it ore make it safe to buy. build or or
operate, hat a meeting of
stockholders be organization.
Be it
Be it further resolved
Food Adminstration
mmediate ster Food Administration besolved that thed to thi
immediate steps to equalize the prit
of feed and livestock arize fair compen ansation and prices to prestion
increased in
 meat. We request this resolut
wired to Mr. Hoover at once. rapple is precisely the wa. grapple with the packing trinst. help of the produce
The request telegraphed Hoove if acted on immediately, will sto the landslide of farm stock to the butcher now going on because mals produced by it will sell for.

Feeding Calves for Market BY H. J. GRAMLICH

Early in the winter and later last Early in the were as cheap as 50 uts a bushel, it was quite advisable feed them to fattening animals, es-
However, with the urket up to its present high figure, doubt very much the wisdom or reedgoats in very large quantity, or at about $21 / 2$ cents to $23 / 4$ cents a pound, dor fattening calves cottonseed at at 3 cents a pound should prove o be the better and more economical ced, in conjunction. with corn and alalfa hay. A small amount of oats might be fed with the corn and the
cottonseed, largely for variety, say 2 ottonseed, lats a head daily.
These calves, 10 months old, on full ed, would probably be consuming at his time about 12 pounds of corn, 2 pounds of oats and 2 pounds of cot-
onsced. or in the proximity of 14 ounds of corn and 2 pounds of cottonseel, together hay. This should be very satisfactory ration.
Where you have plenty of pigs folwing the calves, $\mathbf{I}$ doubt the wisdom grinding the corn unless you are find it quite cheaply.
These calves, on the ration menfoted. should be gaining from 2 to $21 / 4$ ounds a day. On this basis you could ery quickly figure the feed cost of pound of gain. Taking the ration wen with 14 pounds of corn at $21 / 2$
cuts a pound you would have 35 cents. wo pounds of cottonseed at 3 cents a Two pounds of cottonseed at 3 cents a
pound would be 6 cents more, and 3
punds of alfalfa at $11 / /$ cents a pound
ounds of alfalfa at $11 / 4$ cents a pound
vould be approximately 4 cents more,
ints. If your calves make $21 / 4$ pounds
das, which they should do on this ration (and might even make $21 / 2$ efrom 17 to 19 cents a pound of gain. You are doubtless wondering on this fasis where you are going to stand a cent as tho calves should be bringing onsiderably more money in another 60
diass than they are at present. There s a possibility that you would have ufficient increase to let you out nicely on these calves, altho I doubt if they
wonld make what might be termed a handsome profit.
You probably are feeding them a Grade of corn which is not worth at resent $\$ 1.40$ a bushel. It may be that fou are feeding corn which is worth olly $\$ 1$ a bushel, which would be less anterially cheapen your cost of gain. I would be inclined to recommend aite strongly the use of 2 pounds of nttonseed meal or oil meal in feeding applements. Either of these protein ould help to prove satisfactory. the calves and would keep good thrifty condition.

## Killing of Peach Buds

farmer with a peach orchard it Heat interest to know the condithe puds as the winter prog: and such a knowledge also is the orchard work, for the pruning he bearing trees should be guided orchard. A knowledge of the varconditions by which fruit buds ing the difficuity, altho the exof the injury may be lessened what by bood orchard practice, na the trees vigorous, and plant-
examining peach twigs it will be
ced that the buds are borne com-
Sile buds being of three, the two out-
wharger and Wup. In practically all cases these ter buds will be found to be fruit smetimes all three, may be fruit buds, fruit buin or a may may but a single thile to disting a single leaf bud. Being ane to distinguish between fruit buds former may easily be condition of the them may easily be told by cutting
open thru the center with a
sharp knife. If they have brown or In order to obtain an accurate estimate of the probable crop as based on the number of live buds in an orchard, twigs should be cut from several representative trees and from different parts of a tree, and the buds counted carefully. If one bud in 10 is found bods, have survived to produce a good buds.
crop.

## A Demand for Draft Horses

The demand for draft horses on our farms is increasing at a phenomenal ate. Argument to convince an intelliheavy horses is no longer needed. He knows it. Farm sales reflect the situation. Roomy, arafty mares-gradesstanding from 16 to 16.2 hands, and weighing 1,600 pounds or over, will, it of reasonable age, command $\$ 500$ to $\$ 600$ a pair in almost any farm sale, and there are never enough of these animals to satisfy the clamorous de mands of hard-headed farmers who Wish good teams.
Small stuff and animals of draft breeding but too young to work may sell at a discount, but draft animals of
serviceable ages are keenly sought serviceable ages are keenly sought at
ter by farmers in all sections of thi country. For a time last fall the

## Big Dividends Still Piling Up

The dividends of 38 copper mining companies for 1917 amount to 192 million dollars. They have made more than 356 millions in profits within the last two years. The. Dupont Powder Trust, an enormous profit-maker, is to be paid 2 million dollars for constructing a powder mill for the Eovernment at Nashville, Tenn. or operating this plant six months, it is to get $31 / 2$ cents out during that time.
These and all other trusts and big businesses go on piling up mil lions of profits and when their billionaire and millionaire bene ficiaries pay their income taxes they find they have twice as much left.

Why doesn't Congress draft 80 per cent of this money instead of squeezing it out of the desperately harried and burdened people who must pay toll ons all sides to the profiteers for the right to live while their sons go to Europe to save and protect with their lives the propes? and pronts of thes profiteers?
sold below their real value, on account of the attempts of many owners to cut lown on feed bills during the winter, in the hope that they might thereby be able to buy at a figure this spring which would make the venture profitable; but prices on good grade draft mares have advanced fully $\$ 50$ a head in the last 60 days, and men who sold to pay dearly for their experience this to pay
spring.

## Skunk Oil

Where can I sell skunk oil?
Timken, Kan.
I doubt if you could secure a marke or skunk oil. I have heard of its be ing used for rheumatism and other omplaints, but there is practically no demand for it. Skunk oil is of no more value as a medicine than any other oil. Of course if some of the musk could be mixed with the oil it would smell so bad and make the patient so sick that he would forget al biy is about all the rood it wopld do ably is avort all the good of your druggist That you inquies places in the country still holding to the idea that there is virtue in the skunk oil or musk, or both.
K. S. A. © Dr. Robert K. Nabours.

In breeding it is the well settled rule that like produces like, but there is an additional clause which declares some defect, that is that the there is transmit a defect is greater than the tendency to transmit a good trait


## Miller Announces Uniform Tires

## Built by Crack Squads (96\% Efficient)

MOTORISTS today must choose between about 429 brands of tires. Even tires made side by side, in the same factory, differ in mileage enormously.
If you get a "lucky" tire it may run between 5,000 and 10,000 miles. The next may fail under 500 .

Not so with Miller Tires. Once they varied as the rest do. Today less than one per cent ever call for adjustment.

It would seem that other makers, too, could attain this uniformity. For methods are standard - known to all.

But tires are mostly handwork. They differ as the men who build them differ.

Miller has triumphed by solving this human equation. By ridding these tires of "human variables."

## 

## 99 Per Cent Excellent

Miller tire-builders are carefully recruited. Each must pass fully recruited. Eac
He is marked on every tire He is marked on every tire that he builds. But more than comes back.
mes back.
Thus we've created a body of master tire-builders. They compose the crack regiment of the personal efficiency is 96 per cent
The tires they build- 99 in
The tires they build - 99 in 100 -wear practicalions. That under like conditions. means the
Tens of thousands of records furnish conclusive proof.

## Give Them This Test

 These are the only tires actu-ally geared-to-the-road. Note ally geared ratchet-like-tread-how the cogs engage the ground at each turn.
That gives positive traction on wet country roads; it keeps the wheels from spinning when you start your car. Thus the Mand burning tires. And of course it makes all roads safer.
Next time don't buy only one tire - put a pair of Miller teammates on opposite wheels yience like wear.
After that test of Miller uniformity you'll never trust to luck.

## THE MILLER RUBBER COMPANY, Akron, Ohio

Makers of Miller Red and Gray Inner Tubes-

## Miller Dealers In This Territory

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## BIG BARGAINS IN REAL ESTATE <br> Dealers whose advertisements appear in this paper are reliable and bargains offered are worthy of consideration



## 227 ACRE FARM

Improved 276 A. Alfalfa Farm


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ARKANSAS



## FARM LANDS




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| E. M. Houston, Archie, Mo. |
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| SPECIAL BARGAINS, good investment on |
| farms for sale. Write for freo list. Terms |
| to sult. J. H. Engelling, Diggins, Mo. |
| FOR STOCK and grain farms in Southwest <br> Missouri and pure spring water, write, | FOR STOCK and grain farms in Southw

Missouri and pure spring water, write
J. E. Loy, Flemington, Missouri.

| Parish Real Estate Exchange, Adrian, Mo |
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| $\qquad$ <br> D. W. Replogle, Carthage, No. |
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Exchanges

## 217 ACRES

Big Stock and Grain Farm


## COLORADO

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## SALE OR EXCHANGE


 OZARKS OF MO., tarm and timo, tandmiz
southeastern Kansas for sale or trade writ
Allen County Investment Co./ Iola, Kan.
Kansas Clty, Mo. Exchange for ranch, Pay
cash difference. W. P. Dorman, Girard, Kan
EXCHANGE FOR MERCHAVDISE,

FOR SALEE OR TRADE, an eight apartment
flat and two restdenes anl on same block
in Muskogee, Oklahoma. Fine locaton, bring

For SALE OR TRADE
Na
Republic County Notes BY D. M. HESSENFLOW
With the coming of warmer weather

## $r$

## r 4 4

Away With Greed
$\qquad$ governor. You can be mighty yield results that will crush greed. In any event we Kansa with yon to the finish in this atta Shawnee Chief.
"Does your son who is abroad "Oh troops understand French meets, yes, but he says the people $h$
Ament seem to."-Baltimor

# 10 Applé Trees Free To You 

3 Wealthy



2 Jonathan


## 10 Real, Live, Hardy Apple Trees-Apple Trees of the Very Choicest Quality - Apple Trees As Fine As You Can Buy

## Wonderfal Value

unow anything about Apple Trees, offer is bound to astonish you. Your thought will be, "It can't be true." the wonderful part of this offer is that thue-every word of it. All you have to to send in two one-year subscriptions apper's Weekly at 50 c each-new or reil and we will send you these 10 Apple s true to name, true to variety and exas represented, all charges prepaid. ten trees are just exactly right for splanting. We picked out these varièbecause we knew they could satisfy you. if when your trees are received, they uld not be just as represented, you can ify us and we will send your money baek.

## Complete Instructions

sent with each set of -trees. Positive, but ple directions that explain to you how are to plant and care for growing of st trees.

## This Offer

made possible by an arrangement which have made with one of the most reliable most progressive nursery concerns in Middle West. These trees are true to ty-healthy, vigorous and this dependconcern guarantees that you can rest assured that you
will get exactly will get exactly described in this page.

## Two one-year subscriptions to Capper's Weekly 10 Splendid Apple Trees

( 3 Wealthy, 2 Jonathan, 2 Deliefous and 3 Northwestern Greenings) All shipping charges prepaid.

## Description of Varicties

NORTHWESTERN GREENING. This variety was origtnated in Wisconsin some years ago. It is a splendid, vigorous, hardy grower. The fruit itself is large and sometimes exceptionally large. It is green as the name implies, but Wren ripe, it becomes a yellowish green. The flesh is yel-low-fine grained and firm. The flavor is a good sub-acid, very smooth and attractive to the
palate. The Northwestern Greening is one of palate. The Northwestern Greenisg is one ond bears regularly when mature.
JONATHAN. A brilliant flashing red apple with a spicy, rich acidity that has made it a prime favorite with all lovers of an acid apple. The
tree is adapted to many sections. Orchards of tree is adapted to many sections. Orchards of
them are found in the northeast, south and them are found in the northeast, south and west and they always pay. The. Jonathan is a
splendid family sort. For many years, Jonasplendid family sort. For many years, Jonathans have been the standard of quality by
which other sorts have been gauged. which other sorts have been gauged.
WEALTHY. This variety is an enduring monument to its originater, M. Gideon, of Minnesota. Tow rhate with crimson a beautiful light yelThe flesh is white, often stained with red. The Wealthy Apple is splendid as a dessert or cooking apple. This variety is especially adapted to home gardens, as well as for commercial orchards.
THE DELICIOUS is first of all a quality apple. It hardly needs an introduction to anyone who knows anything about Apple Trees. Many authorities claim that the Delicious has no peer, that it is the finest apple grown. The yields. are excellent and as the trees grow older, they bear more and even larger fruit. Almost all of the prominent ápple growers have a good supply of the Delicious variety in their orchards. Higher prices are being paid for this variety than for most any other apple. They frequently sell on the fruit stands in cities at from 10 c to 25 c apiece.

## All for only 81.00

 What Is Capper's Weekly?Capper's Weekly is the great Weekiy
West. Here are the . newspaper of the Great West. Here things it stands for and advocates:

The welfare of the American home; $100-$ cents-on-the-dellar government; better schools and free school books and an education that will fit every child for the business of iffe; nation-wide prohibition, na-tion-wide suffrage; an end to fee-grabing receiverships and the entire lee system, courts and laws as prompt and as impartial as the postoffice; fewer new laws and an honest enforcement of
those we have; a permathose we have; a perma-
nent peace alliance for nent peace alliance for
the total abolition of war; a square deal to war; a square deal to condition, race, color or politics.

## When to Plant

 Planting season is not regulated by date or by plant
er's lated by date or by plant-
er's location. This Nur-
sery's method of growing. packing and shipping trees
assures arrival of trees in assures arrival of trees in
proper planting conditions. proper planting condions
Annually they ship thou-
sands of trees to planter sands of trees to planters
in the South, weeks after in the South, weeks after the trees are planted with

## Arrival of Trees

When your ten trees have
arrived, unpack them immediately, carefully shakand if possible, plant them
at once. Fall directions as to just how to plant with


## Apple Orchard Coupon

## CAPPER'S WEEKLY

 TOPEKA, KANSAS

This Apple Orchord
$* \rightarrow$ Ought toBeYours

Ship own name is
Ship the ten Apple Trees, all charges prepaid to my address
Name
TOWN-
Street or R. F. D.
STATE.
CAPPER'S WEEKLY, TOPEKA, KANSAS. Gentlemen: Please find enclosed $\$ 1.00$ which pays for two Name

TOWN.
Street or R. F. D. ........STATE.
(State here if this is a new or r
. Name.
Town.
Street or R. F. D........... STATE
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renewal subscription.)
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 RIVGTONS-EGGS BY THE SET-
hundret from ortan that atways.
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Witing list free. Cluas Luengene,
Poultry Farm, Box 143, Topeka,
PLYMOUTH ROCKS.
KS. J. M. THOMPSON, COLDKK cockerels 32.00 , J. T.
Oak Hill Kan,





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\%. 50 per 100. Herman Dohrmann,




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Ron, Kan.
ROCK
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Rreys. Toulouse geese. Emma loxtury. Kan.
Rock Cockerels - LARGE:
Birds: narrow barred; $\$ 2.00$ each:













 BUFF ROCK EXCLUSIVELY. GOOD WIN-
ter Iayers; egsc now ready for hatching,
 BARRED ROCK EGGS-EROM EXCELL-


 BRDD TO LAY BARRED ROCKS, FROM | stoek with records of ${ }^{200-268 \text { eggs per }} \begin{array}{l}\text { year. } \\ \text { prise. Kan. for sale. } \\ \text { o. Hassler, Enter- }\end{array}$ |
| :--- | EXTRA GOOD RINGUET BARERED ROCCK

sEgs for hatching $\$ 2.00$ and $\$ 5.00$ setting
$\$ 8.00$ hundred. Mrs. W. E. Schmitendorf, PURF BRED WHITM ROCK EGGS
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 EGGS FOR HATCHING FROM BARRERED


 breed, Write me your want. Frank McCor-
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RINGLETS ARTSTOCRATS. BARRED
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careful and prompt attention. A., F. Alpers,
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S1.25 Eighteen years carerul bedig. EEgs
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CHOTCE ROSE COMB RED EGGS, $\$ 1.50-15$
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ting. Maple Hill Poultry Farm, Lawrence. Kan.
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BOUREDON RED TOMS. J. E. VAN PEET, THOROUGHBRED BOURBON RED TOMS,
 CHOICE MAMMOOTH BRONZE 26 . TO 30 HUlom, Lamar. Co
PURE BLOOD MAMMOTH BRONZE TUR Kant prize-winners. Ellen Dally, Scottivilile, THOROUGARBRED MAMMMOTH BRONZRE
turkey eges from hens weighing 25 pounds,
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DUSTON WHITE WYANDOTTE EGGS Mrs. Pickle, E:k Cily. Kan.
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WHITE WYANDOTTE EGGS $\$ 1$ PER SET.
Hing; $\$ 5-100$. Mra. Geo. Rankin, Gardner, Kan.
WHITE WY YNDDTTE EGGS $\$ 1.25$ PER 15 ;
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PURE BRED WHITE WYANDOTTE Cock:
erels for sale, \$2.50 a piece. Maude Wun-










Additional Poultity Ads, on Following Page





















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| OICE ABERDEENANCUS | . |  |
|  | O. A. |  |
| , |  |  |
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| on approval. John' Lusk, Jr., Libera | WHITE BLOSBOM SWEET CLOVER SEED, |  |
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| $\begin{aligned} & \text { RALE- SALEACK, FRENCH DRAFT } \\ & \text { stallon, age } 6 \text {. / } 7 \text { Harry Haldeman, Hopp, } \end{aligned}$ |  |  |
|  | SUDAN GRASS SEED. PURE, Res. |  |
| FOR SALE OR TRADE BLACK JACK FOR Holsteln heiters or bull. J. A. Boyd, Ack- |  | KAFIR SEED, BLACK HULEED WHITM |
| R QUICK SALE-TEN CHOICE |  |  |
| stein cows need room for sheep. |  |  |
| SALE-A FEW | BLACK HULLEE WHITE KAFIR TESTED |  |
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| R SALE-2 REGISTERED PERCHERON | kafir 84.50 ; cane seed $\$ 8.50$; milo $\$ 7$, all |  |
| ando, |  |  |
| EE JACKS For sale very cheap. |  |  |
| CWould exchange for cheap land or stallion. |  | cash with order. Nothing shippod bi boray post. Referenee |
| ale or trade-Good grade |  | R |
|  | 83 per bushel. Le |  |
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| and ten years. We m. Crone, Bremen, |  |  |
| REGISTERED JERSE | \$5 a bushel. McCall ${ }^{\text {d }}$ Williams | FROST PROOF CABBAGE PLEANTS GROTV. |
| bargain prices. ${ }^{\text {choy }}$ C. H H. | \$5 a bushel. McCall \& williams, onel | Ing in open ready for shlphing. Leailig |
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|  | $\frac{85.00 \text { bushel Fred Prlebe }}{\text { SCHROCK KAFIR SEED }}$ | You get plants or money back. Fort wort |
| S | ${ }^{\text {grower. }}$ Smample | TERITA SEED FOR SALE. MATURED |
| eron stallions, all blacks. Two coming ${ }^{3,}$ two coming 2. |  |  |
| THREE REGISTERED, SOUUD BLACK |  |  |
|  | PRogressive everbearina s | mony back J. H. Staton, Lexington, Kan |
| da, Kan. |  |  |
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|  | GOOD SEED CORN-BOONE COUNTY |  |
| (tan pigs, ${ }^{\text {Pepa }}$ |  |  |
| FOR SALE-REGISTERED GUERNSEYS. |  |  |
| ${ }_{T \text { Two }}$ July | SEED Corn. ${ }^{\text {BIG }}$ Maw |  |
| Krueger, Burlington, Kan. | per bu. Sack free. John Post, Mound city, | non-1rrigated, home grown, at from 86.1 |
|  | CHOICE SUDAN SEED FREE FROM JOHN- | prices on white or yellow sweet elovet |
| 6 and 8. Colts to show. |  |  |
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|  | Scott, Kan | OKLA. DWARF AND STANDARD BIKOX |
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|  | 1000 BU. CHOICE REID'S YELLOW DENT | Ing about 85 pounds for one bushel. Thi |
| Paul, A | d |  |
|  | Wrindsor, Mo. ${ }^{\text {a }}$, grew. J. O. Southerland, | No. 27, Topeka, Kansas. |
|  | For SALE-ALFALFA: Fall River bottom | WE HAVE SOME FINE WHITE, WELI |
|  |  | matured Katir seed, that is - notve grosa |
| small cost-onl. sertion. Try it. | , |  |
|  |  |  |
| - Dogs. |  |  |
| OLLIE PUPPIEIES |  | it Is whod. Brooks Wholesale Co., Ft. Scoth Kan. |
|  | Write for free s |  |
| Hinds, Mound Valley, Kan. |  | charges prepald, 2 AL Apple Pear You dpritut |
| OR SALE-WOLF HOUNDS, TWO SHOT- |  | or1 |
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| Fancy, $\$ 7.50 .{ }^{\text {Frank }}$ Farri | FIELD AND GARD | trr |
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|  | Co.. Box ${ }^{\text {344, Clayt }}$ |  |
| Kllng. Kan. | SUDAN- 1917 CROP GUARAN | an, Kansas. |
| SABLE AND |  | we sell simpioins famous udeat |
| from reglistere | bu. H. Struebing. Wintleld. |  |
| W | ALLALFA SEEED FROM NORTHWEST |  |
| Kites six to eight weeks old. Brockways |  |  |
| DOGS-ONE LITTER | slow. Geo. Bowman, Logan, Kan. - |  |
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| Kill a a coote. Write me for prices. $F$. ${ }^{\text {kin }}$ |  |  |
|  |  |  |
| rabbits. | graded, well matured, $\$ 5$ per cwt. h peanuts $\$ 3$ per bushel. Sacked, our | Chickasha, o |
|  | $\frac{\text { track. W. R. Hutton, C }}{\text { CHOICE, PUREBRED K }}$ | Patent |
| and three-months-old rabbits. Chas, and three-months gene, Topeka, Kan. |  | SENT |
| SEEDS AND NURSERTES. | nams. ${ }^{\text {andey }}$ | $\mathrm{n}$ |
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| n, Kansa |  | Bldg., Washlngton, D. C. ${ }^{\text {chen }}$ |
| ERITA HEA |  | t |
| RECLEANED WHITE SWEET CLOVER |  |  |
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 corn, has never yet been equaled for sav-
Ing molsture and ktlling weeds Send for
circulars. H. D. Clayton, Hill City, Kan. TRACTOR FARMING AND ENGINEERING
412 pages, 175 Ilustrations; finest book
published on this subjet, 81.80 prepail. Send
10c for catalogs, 100.000 book bargains. Mc-

 dairy products by city people. A small
classiried advertisement th the
Capeka Dalty Capital whil sell your apples, potatoes, parsi
tomatoes and other surplus farm prouce at
small cost-only one cent a word each in


A Normal Hay Market

$\$ 1.77$; No. ${ }^{2}$ nominally $\$ 1.70$ to $\$ 1.75$.
Rye
bulkhead Rye-No. 2, nominally $\$ 2.60$ to $\$ 2.60$; sales,
bulkheed,
Barley-No. ${ }^{\text {in , nominally }} \$ 1.95$ to $\$ 2.05$.
Bran-Nominaly $\$ 1.65$ to $\$ 2.00$. Bran-Nominally $\$ 1.65$ to $\$ 2.00$, 9 ; sales,
Shorts-Nominally $\$ 1.75$ to $\$ 1.95$;
The receipts of hogs at Kansas City Satur-




## Horses for the Government

How farmers and stockmen may profit in the sale of horses and mules to the government, thru the elimina-
tion of middlemen's profit, is explained by Governor Capper in a proclamation issued a few days ago in which he able animal possible. The proclamation follows
"Ta Kansas Farmers and Breeders: TThe United States is now the chief source of supply of horses and mules or the allies as well as our war deneedent. About 750,000 animals are needed now for our army, and since ome 47,000 are destroyed every month on the west front, this number wil
need to be replenished constantly. In addition, heary must be made for the French and Eng lish. Artillery is the great factor in this war and it is horses that make
mobile and effective. chasing hor tractorg but wishes to deal with farmers and-breeders giving them the benefit of the middleman's proist Whether this plan iscontinued will depend upon the support received
"The animals at present specially wanted are cavalry horses and whee and lead mules.
950 and 1,200 pounds ; must be between 15 and 16 hands high and between and 10 years of age.

1,150 mules must weigh from 1,000 to 1,150 pounds, must be 15 to $153 / 4$ hands high and between 5 and 10 years "Wheel mules must weigh from 1,150 to 1,200 pounds; must be from $15 \%$ to $161 / 4$ hands high and between
5 and 10 years of age.
"For animals of good conformation, the government will pay the following prices:

## Cavalry horses Lead muless Wheet mules

"Inspection boards have already be gun work in different parts of the will be in your district by a notice in your local paper and by placards posted in prominent places, giving date cannot make a farm to farm eooard cannot make a farm to farm convass, one point for inspection. A man with one horse or mule will be given just as much consideration as one with 20 . Payment will be made immediately upon delivery of the animals.
all it is your patriotic duty to see that your the available horses and mules in point designated, so that the suitable gnes may be selected. It is an opportunity to render first aid to the gov-
ernment. Your son, your brother, your neighbor's boy, perhaps even you, may be called upon to ride the horse you that you supply only the right kind of animals and those that will do real "The army headquarte
ore of public animals is for the purArcade, Kansas City, Mo. Information will be furnished upon request.

Therefore I, Arthur Capper, gover all farmers and breeders thruout the state to get together and devise ways
and means of rendering prompt as sistance to the government in the purchase of the kind of horses and mules
required. ARTHUR CAPPER,

The more stock is exposed to cold and of the greater will be the amount of feed required to maintain /animal
heat. Even low grade stock may be mad
o look well if kept in good condition.


Don't Get Caught Like This! You'l need horoce badly from now On. Why tato SAVE-THE-HORSE THE humane romedy for lame and blemithed






How Full is YourSilo?



PAPEG MACHINE CO
124 Mina St, Shortiville,

 The Tuttle Self-Feeder and Self-Threader


Capacity 3 tons per hour. Self-threader saves $40 \%$ of the tying work. Fully guaranteed for
one year. and sold on 10 days free fleld trial. discount for cash.
Tuttle Tractor Co., 1308 Ottawa St. Leavenworth, IIap.

## Moisture Helps the Wheat

Rain or snow has fallen generally,
and the crop situation is brighte and the erop situation is brightee
Oats sowing has started in many com Oats sowing has started in many com-
manities. The farm labor shortage is mumities. The farm begining to develop.






WHAT BREEDERS ARE DOING


## 



| Hereford Cattle. |
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 Mar. 19-Robt. E. Steele, Falls
Apr. 24-Laptad Stock Farm, Law
Poland China Hogs.
March $15-\mathrm{H}$. E, Myers, Gardner, Kan.
April 3-Ross Vincent, Sterling. Kan.
April 4-A. J. Erhart \& Sons. Ness City,

## S. W. Kansas and Oklahoma

 By A. B. HUNTER.

## Last Call-Meyers's Poiand Sale.

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rugged blg boned Bowman bulle. Please
Tead display aid this issue regarding their read display at this Assue regarding thetr
gale at Hutchinson, Aprit 2 , Write today
for cataiog mentioning Farmers Mail and
Breeze.-Adertisement.
N. Kansas, S. Nebr. and Ma. by john -w. Johnson.


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\begin{aligned}
& \text { Turinskey's. Durocs Averaged } \$ 63 \text {. } \\
& \begin{array}{l}
\text { A. J, Turtnskey's Durac Jersey bred sow } \\
\text { sale at Barnes, } \text { Kin. last Saturday, resulted } \\
\text { In an average of } \$ 63 \text { on } 44 \text { head. } \$ 2,75.50 \\
\text { was reeelved }
\end{array}
\end{aligned}
$$

vewe even Hale and Kan., at \$8, It was saterfactory to M
vurinskey. Glen Keesecker, Washingto
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buying 13 ox
ing was ex
and a very
vertisement.
Morrill's Holstein Sale
Wednesday, was well attended by a ran., reseson
tative lo of Kansas and Nebraska breeder

(14ch 9, 1918.
HAMPSHERE Hogs.
 HOICE SPPING BOARS AND GILTS bred oso jorn Hampshires On Approval Whation 500 HAMPSHIRES BRED


50 BRED POLAND CHINA SOWS AND GILTS
pigs, either sex, at private sale.
Best of Big Type breeding. Frank J. Rist, Prop.

## Mar. Boars

4 F + (Picture of Hercules 2d.)
ANDREW KOSAR, DELPHOS, KAN.
BIG WONDER 281929

V. O. Johnson, Aulne, Kan.

## Engleman's

## POLANDS

best that the breed affords. decided not to hold a sale offering at private treaty the best bred gilts in the ding individual and immune. are bred to
Buster King by Giant Buster. Blackhawk by Storey's A Wonder. Chief Model by Chief Leader.

We are pricing these gilts at
ut one halt of what you woild
for them in sale. Write for
ENGLEMAN STOCK EARMS, Fredonia, Kans.
 ter, Neb." and mention Farmers Mall
Breeze.-Advertisement.
Another Big Duroc Bred Sow Sale.
Robt. E. Stele, one of Nebraska's leading
Duroc Jersey breeders, will hold another bred
sow sale on March 19. Mr. Steele is lo loceted tit


## Shorthorn Sale at Hebron, Neb.

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ane mid ben wills
Jacks, Jennys and Percherons
Malone Bros.,
Jacks and Percherons
A fow imported Procheron otalions rozally bred. We
can deal. Write or call on
J. P. \& M. H. MALONE, CHASE, KAN.
MAMMOTH JACKSPhilip Walker
MOLINE,CHESTER WHITE AND O. 1. C. HOGS.CHESTER WHIE HOGS Five good omootbI must close out my entire herd of Chester Whites
For Sale-Registered Bred Chester-Whifte GillsKansas Herd $0^{\circ}$ Chester Whites
 

IMMUNE RECORDED DUROC GLLT
shipped
Wooddell's Durocs
Durocs of Size and Quality
BONNIE VIEW STOCK FARM
UUROC-JERSEYSSEARLE \& COTTLE, BERRYTON, KANSASDuroc-JerseysJohnsenKman,
Kansas
Jones Sells On Approval
Bred Sow Sale March 15
W. W. Jones, Clay Center, Kan.
TAYLOR'S WORLD BEATERS
JAMES M TAYLOR
OLEAN, MHI County, MO.
Bancroft's Durocs
1915, weighs 770
breeding shape.
boar in show
. ..... pounds in every day
Easy.
a 1,000 -poundD. O. BANCROFT, OSBORNE, KANSAS

## TRUMBO'S DUROCS



## Sept. and Oct. Boars and Gilts

$\qquad$
ABERDEEN ANGUS CATTLE AberdeenAngus Cattle

Herdheadedby Louis of View.
point 4th. 15062, half brother
to the Champlon cow of America.
15 ANGUS BULLS

## 

## FIVE ANGUS BULLS



## Sutton Angus Farms <br> 40 Bulls- 50 Heifers Alse 25 Bred Heifers Prices and descriptions by return mail. <br> Sutton \& Wells, Russell,Kan.

## Duroc Jersey

 Bred Sows

## At Auction

Clay Center, Kan. March 15

9 bred sows or with litters
These sows carry the best blood lines of the breed and bred to
Jones Orion Cherry King King of Cols. 6 th
9 fall gilts; best of up to date breeding.
One fall boar.
Six high grade Holstein cows bred to registered bulls.
Sale at farm west edge of town


## W.W. Jones

Clay Center, Kan.
Jas T. McCulloch, Auctioneer. J. W. Johnson, Fieldman. Catalogs ready to mail.


Scotch and Scotch Tapped Bulls for sale
I5 head that, are 10 toi 12 monthe C. W. TAYLOR ABILEAE, KAN.

Cumberland's Knight
$\qquad$
Stunkel's Shorthorns Seotch and Scoteh Topped Herd headed
by Cumberrame Dlantond bulls, reds and
roans 8 to 24 months old, out of cows roans 8 it 24 months old, out of cows
strong in the biood of Vlotor Orange and
Star Goods. No females at present to
spare. 15 miles south of wichita on

SHORTHORN BULLS
5 that are ready for service- $\mathbf{1 2}$ to 15 months old 15 that are from 8 to 10 months old.
Buls from a working herd that wil
make good in your herd. Prices right. V. A. Plymot, Barnard, Kansas

## Shorthorns

Young Scatch Topped Bulls Cows and Heffers for Sale

- Poland China Bred Gillts

Rpring farrow. Address

\section*{50-Bulls for Sale-50 <br> Shorthorms and Herefords <br> |  |
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| up. Also Sherthorn females. or dit- ferent ages. Inspection invited. |
| Fimende Furm Fairiry Nobr |

Lancaster Shorthorns
Lancester, Kan. Atehison Co.

Ed Hegland
K. G. Gigstad
W. H. Graner
H. C. Graner
C. A. Scholz


## SaltCreekValley Shorthorn Cattle

## For Sale Our herd fnill Bed Yaddhe 853599 ,

 sotch top buls from ten to thenty monthe old
Arresent ones. No cows or heffers for sule at
prest.
We alos offer 25 bred Poland Chita elits,
wolging from 200 to 275 pounds.
E. A. Cory \& Sons, Talmo, Kan.
(Pioneer Republic County Hera)

## New Buttergask Farm SHORTHORNS


S. E. Kan. and Missouri BY C. . . Ha



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## 

was a very good sale, Mr Souders
another good bunch to sell and ne will have
Deam's Polands Average $\$ 145$.
One of the very best lots of Poland Chinas
that has been orfered to the public or hlis-
souri was that made by Clarence Dean of
Weston at Dearborn, Mo., February 2 2. The
orfering was first class individually, they
or
were in the very best condition, most of then
showing heavy with pIg and the blood hnes
represented were the very best Forest Roes
represented were the very best. Forest Rooe
of Hemple, Mo., topped the sale at \&35 foo
Miss BIg Bone by Long Blg Bone. dam
Lady Model by By .
42 head was $\$ 145$. Col. PM. M. Gross did the
seling. MIr. Dean wil hoid his next tal
February
Two Days Cattle sale at Coffeyvile, Kan.


## 

A Report on Livestock
ceellent directory of the parebred fivestock breeders of Kansas has bourd of agriculture. It gives the purrebred stock, together with much other valuable information. This re-
port is knowr ns the Breeders Directory, and it consists of 194 pages, It can be obtained free or
"pplication to J . C . Nohler, the secre. "pppication to J. C. Mohler, the secre-
taty of the board, state fionse, Topeka.

SHORTHORNS AND POLLED DURHAMS in bic four day sale
So. Omaha, Neb., Mar. 26, 27, 28, 29 150 Shorthors, 80 bulls and ${ }^{70}$ eows
and hellers soll on the trit two deys. 50 calves go free with dams in the four
days. Car lot buyers will find thls event Thrito for 1 Illustrated catalog of the sale
that you are interested $\operatorname{in}$ to
H. C. McKelvie, Sale Mgr. Lincoln, Neb.
arvestock adotioniens Johm D. Shyter, Hhte Chinson, Kan, Jas. T. McCulloch, Clay Center, ip
 Say, Jeisey Breeder
 Molstein Calves fanimid Choice Holstein Calves oAK hill farmrs holstein catil HOME BATRY FARM, DENISON, KIII HOME DARY FARM, DENISON, KII Segrist \& Stephensen, Hollon, Kaiss

HOLSTEW CALVES, 8 , haterama tul
Registered and ligh Grade Holstime
 Braeburn Holsteins



REOBTERED HOLSEENS


## RegisteredHolsteins


REGISTERED HOLSTEIN BULLS
ing. Bred for milk and fat produ
LILAC BAIRY EARM
Our 3 Year Old Registere Holstein Herd B
Sous.
The Cedarlane Holstein Heel

T. M. Ewing, Independence, Kansss STUBBS FARM Offers:
$\mathrm{Sir}_{\mathrm{in}} \mathrm{Clar}$ 9, 1916, about hal
perfect individua
broad His dard, sire, 30 sisters
Hour grand pareents are in Guaranteed free fro
and to be a breeder.
Stubbs Farm, Mulvane, Kansss

HEREFORD CATTLE.
Spring Creek ITRFRORDS
old Established Herd SPECIAL BULILOFFER: r bulls that will do for light serrice this season. S.D.Seever, Smith Center, Kansas


## 1887. J. M. Lee brought the first Holsteins to Kangas. 1917. Lee Bros. and Cook have the largest herd of Hoistelns in the weet.

Blue Ribbon Holsteins satat Dlue Nbon Hilltas (500-Holteins-Cows, Refiers and Bulls - 450


50-REGISTERED COWS AND HEIFERS- 50

 LEE BROS. \& COOK, Flarveyville, Wabaunsee County, Kansas Wise, Phase; or write when you are coming.

## Special Holstein BargainsFor 60 Days

Having purchased the Holateinn of the Healy entate and having more
cattle tham I can handile I will maice close prices for the next 60 dayk. 70 extra choice, high grade, heavy springing heifers to freshen in
January and February. January and february. 50 choice, high grade heifers, (long yearlings), bred to my herd bull year-old. Choice, registered heifers sired by a 40 -pound bull and bred to a 40 pound bull. A few young bulls with A. $R$. $O$. backing for sale. Many
of them old enough for service. Address
M. A. Anderson, Hope, Dickinson CO_,Kan.

M. E. Peck, Sr.
$\begin{aligned} & \text { At the farm } \\ & \text { Phone } 1819 \text { F } 2\end{aligned}$
M. E. PECK \& SON
M. E. Peelk, Jr.
Oakwood Dairy Farm Inlsteins-Special Feb. Prices
$\begin{aligned} & \text { On } 50 \text { cows to freshen between now and March first. These cows, } \\ & \text { any of them, have given milk all summer, from } 40 \text { to } 50 \text { pounds }\end{aligned}$
any of them, have given milk all s
60 two-yedr-old heifers to freshen between now and April first.
mean just what this says. If you want Holstein cows and heifers
e right kind write us at once.
M. E. Peek \& Son, Salina, Kan.
> 'The Maplewood Consignment of Hoisteins at The Breeders' sale at Topeka on March
Will include Four Beautiful Baughters of that Greatest of Kansas Bulls. Canary 6in will include Four Beautiful Baughters of that Greatest of Kansak Bulls. Canary
butter Soy King, one granddaughter of King of the Pontiacs from a 20
bound dam-
handome lot of heifers. Come to the sale prepared to buy the lot for a foundation uy until you get them.
them bred to the Junior Herd sire of Maplewood, Duke Johanna Beets,
twenty-five pound dam and who has two thirty pound daughters, one of will heifers from Canary Butter Boy King bred to a bull-like Duke
bour bids will be the answer. MOTT \& SEABORN, HERINGTON, KANSAS

## 50 Registered Holsteins At Auction, Tuesday, March 19

## 



 STANDARD DARY CO, Walnut Irove, Wichlita, Ransas at I P. M. starp.

## 65 Head-Geo.Briggs\&Son-65Head

At farm near Clay Center and Fairfield, Neb., March 18

[^3]
# Steele Olifers Another Great Bunch of Duroc-Jersey Bred Sows 

Sale Pavilion Falls City, Neb.,Tuesday, Mar. 19th


 Some fall gilts. Remainder choice spring gilts.
tractions - 6 head sired by National Chief bred to Disturber of Idlewild. As much choice new Eastern breeding as has gone into any sale this winter. Many sired by our great breeding hoar SENSATION WONDER 2nd. A big per cent bred to CREATOR, one of the most promising sires to be found in the west. The catalog tells it all. Write now for it and mention this paper.

## Robt. E. Steele, Falls City, Nebraska

 send him all bids in my care.
# Poland China Sows High Grade Shorthorn Cows 

Public Sale, Glen Elder, Kansas
Sole et the $a$. M. . Kepple tarm polining town Thursday, March 14th, 1918
19 choice Poland China bred sows, 11 that can be recorded and the rest not eligible to registry but otherwise equally as choice. Everything bred to farrow this spring. Four young September boars eligible to registry.
15 High grade Shorthorn cows that are fresh now. One coming 2 -year-old filly, two coming year-old mare colts, one 3 -year-old gelding; Catalogs ready to mail. Address
D. A. Slate, Glen Elder, Kansas

Will Myers, Auctioneer.
We Are Offering Bargains in Yearling Bulls For the Next Thirty Days
Can Also Priee You Several Cows and Hetiers Reasonable
HIGGINBOTHAM BROTHERS, ROSSVILLE, KANSAS

## WAIT FOR DATE

and more information on our sale of pure bred and high grade Holsteins, to be held some time in April. Sale to include all ages, from calves to mature animals in females. Also some good young bulls.
Sale to be held on Grand View Farm, the new home of Eshelman's Holsteins.
A. L. Eshelman, Abilene, Kansas

## Interstate Shorihorn Breeders Sale

 Sale Pavilion, Hebron, Neb., Saturday, March I6, 1918
## 40 HEAD

## Nicely Bred and Choice Individuals Consigned

 by the Good Breeders of This LocalityLargely young heifers and bulls with a few choice young mature cows. The intention is to make this sale an annual event and parties attending will be assured the best of treatment. For catalog address

## M. C. McMahan, Sec., Hebron Sales Pavilion Company, Hebron, Neb. Mention Farmers Mail and Breeze When Writing. Col. H. S. Duncan, Auctioneer. Jesse R. Johnson, Fieldman

## Grand DispersionSale of Two Pure Bred Holstein-FriesianHerds



Two foundation herds, closely culled and carefully bought and reserved. A complete dispersion of both herds at
Kensington, Kan., Wednesday, March 20th

## 45 Head in the sale

All pure bred. 31 are registered and 14 are purebreds with which no papers can be furnished.
The 31 registered cattle consist of 7 cows, three to nine years old all giving milk but one and she will be fresh in March. Seven two year old heifers, just fresh or to freshen soon. Five yearling heifers to be fresh in September and October. 12 calves, four bulls and eight heifers. 16 of this number are by a grandson of King of the Pontiacs. The rest are closely related to De Kol 2nd's Butter Boy 3rd and Sarcastic Lad. The pure bred cattle not registered are of the same brecding. Catalog ready to mail. Address,
E. J. Dixon, Agra, Kan,, or C.A. Smedley, Kensington, Kan.
W. H. Mott, Herington, Kan., Sales Mgr.

Auctioneers: Jas. T. McCulloch, Clay Center, Kan.; W. Mendenhall, Oronoque, Kan.; L. C. Hopkins, Phillipsburg, Kan.; J. W. Johnson, Fieldman.
Roan's Clover Leaf Valley Farm Sale
20 Mammoth Jacks
15 Jennets

La Plata, Mo., Friday, March 29
MO. BOB, a 4 -vear-old by Mo. King, sire grand champion mules Missouri State Fair 1914-15-16, heads a great string of serviceable age jacks. All good colors, heavy bone, good bodies and ready for service. All carry
Roan's guarantee. Col. Gross, auctioneer.
Send for illustrated catalog. Roan's guarantee. Col. Gross, auctioneer. Send for illustrated catalog.
Address, mentioning this paper,
G. C. ROAN, ETHEL, MISSOURI

## BigMissouriJackSale

Savannah, Missouri
March 14th, 1918 24BigRegisteredBlackJacks, 24 ling. Will sell 4 Percheron mares and one ercheron stallion HERD ESARBLISH. Write for big illustrated catalog.
188.
C. M. SCOTT, REA, IMO.

Col. P, M. Gross, Auctioneer. C. H. Hay,
Fieldman. Sale held in Savannah. Inter-
urban cars to St. Joseph.


Cedarlawn Shorthorns
I have nine bulls from 11 to months old for sale. They are sco topped, reds and roans Wride will meet you at the train. S. B. Ameoats, Clay Center, Kan

# KansasBreeders' ConsignmentSale $\rightarrow$ 

Twenty of the leading Kansas breeders have consigned for sale in the big cattle pavilion of the Kansas State Fair association at Topeka, Kan., Tuesday, March 26th, following the annual meeting and big banquet of the Holstein-Friesian association the night before.
120 HEAD of REGISTERED HOLSTEIN-FRIESIAN CATTLE, MAR. 26
The sale management has had much difficulty in persueding the breeders to consign the class of cattle that will be offered in this sale, as
 positively guaranteed by the consignors, ali of whom are members an kans sales where you may buy a foundation hose and procure cattle agen will make you proud every day that you own them, and that will declare a dividend, not annually, or semi-ann

Be Sure to Mail Both Coupons And Get the Two Catalogs

The annual meeting of the Holstein-Friesian $A$ ssociation of Kanssas will be held in the rooms of the Chamber of Commerece Monday, March 25th. All visiting Holstein breeders are invited to attend a banquet to be given by the Chamber of Commerce Monday evening. if you are a Holstein breeder and not an memb

Arrangements have been made at the Throop Hotel at reasonable rates and this will be ${ }^{\circ}$ he headquarters during the Association meeting and sale. This two days' sale affords a great chance to buy pure bred Holstein cattle. Make your plans now to attend

Be Sure to Mail Both Coupons And Get the
Two Catalogs

## Also Big Dispersion Śale of F. J. Searle's Famous Sunflower Herd of Holsteins 75 Head of fashionably bred cows and heifers-also some choice young bulls, Mar. 27  - ${ }^{2}$ In, Cut Out and Mill coupen Today Suro <br> F. J. SEARLE, Oskaloona, Kan. <br> se send me free catalog of il dispersion at Tate or <br> at Topeka, sale of Hanch Hant 27, artised in Farmers Mail and <br> AUCTIONEERS <br> B. V. Kelley, Syracuse, N. Y. J. T. MeCulloeh, Clay Center, Kan. C. M. Crews, Topeka, Kan. - <br> J. E. Maek, Fort Atkinson, Wis. Boyd Neweom, Wichita, Kan.

## 

## 80 Head Dispersal 80 Head of the Sunllower Herd Holsteins <br> F. J. Searle, Prop., Oskaloosa, Kansas <br> Sale to be held at Fair Grounds Cattle Pavilion <br> Topeka, Kansas, Wednesday, March 27th <br> farm has been' sold and immediate possession to be given. In in this sale will be found: <br> daughters of Model Segis Butter Boy 115602, a grandson of King and from the three times thirty-pound cow, Annie Dekol Butter treat heifers are a mighty fine bunch and have calves by sios sing Pontiac Konigen 75348 , recently sold for $\$ 10,000$, and whose iter, Lady Netherland Pontiac, recently has broken the world's Is as a junior 4 -year-old with over 43 pounds butter in 7 days. Pontjac Concordia Konigen has for dam the 31.46-pound cow, Concordia De Kol. <br> R. O. cows of splendid breeding and great individuals. <br> head now milking, heifers, heifer calves and a few choice young <br> HAVE ALNAYS USED GOOD HERD SIRES. Every animal dispersion will have been bred to either King Segis Pontiac Maia 1 of King Segis Pontiac from a 20 -pound 2 -year-old daughter of of the Pontiacs, his weight 2,300 pounds) or Sunflower King 134166, a splendid grandson of King Walker from a 25 -pound of great quality, his weight 2.000 pounds at 4 years. <br> NFLOWER KING WALKER will be sold. Arrange to attend this and see the finest lot of cattle ever sold by Sunflower Herd, and many customers know that we have sold some mighty good ones.

## F. J. Searle, Oskaloosa, Kansas

Anctioneers: Boyd Newcom. Wichita, Kan.; Jas. T. McCulloch, Clay enter, Kan.; C. M. Crews, Topeka, Kan.
Note: Remember that my sale follows the Kansas Breeders, Sale; Pontianember Khat we are connigniag grand daughterk of King of the
Chain Pontiac, Pontiac Jewel Butrer Boy and Thampion to the Mnseders Sale. A conniknmaent of choike cattile from the herd of W. H. Mott. Secy. Holntein-Frienian Ansociation of Kansas,

## Finley's Big Jack Sale

# Higginsville, Missouri March $20 t h$ 20 

All of serviceable age, including a number of herd jacks such as Dr. LOGAN by Gen. Logan by Dr. Wood; an extra good 4 -year-old by Dr. Long; Choíce MeChord aby Dr. McChord; a good 4-year-old by Dr. Leo 2d; one extra good young jack by Choiee MeChord, and a lot of first-class mule jaeks. Will also sell a good yearling by Dr. Nelson, the jack that sold in my last year's sale at $\$ 1,200$; one jack colt by Choice McChord and one by Dr. McChord 3 d . 30 JENNETS BRED TO DR. WOOD 30
If you are lopking for herd jacks or the jacks that sire those good mules you will find them in this sale. Write for my big catalog.
W. J. Finley, Higginsville, Mo.

## Guaranteed to Do

 Satisfactory Work on Your FarmYou realize the advantages in good tractor farming--the saving in labor, lower maintenance cost than horses or mules, more timely and better prepared seed beds, resulting in bigger and better crops.
These things are apparent to the farmer of today, and we believe that the only reason for delaying the purchase of a tractor is-"Will It Work Satisfactorily On My Farm?'

The intelligent man knows that a tractor can't do the impossible, regardless of claims. We have appreciated this for many years. Realizing our own responsibilities in selling a Sandusky Tractor, and standing back of every machine as, we do, it has always been our policy to fully determine each prospect's local conditions and requirements bedore \$ecommending the purchase of a Sandusky Tractor.

Th mables us to know positively that "The Little Fellow With The Bis Onl." eith the $10-20$ Model $J$ or the $15-35$ Model E, is satisfactorily and proftabde adapt to to your requirements, and consequently "Our recommendation is an "analif d guarantee of satisfactory work on your farm."

## 迕18 5 STY IT ON YOUR OWN WORK

Is substantiation of this policy and as a further safeguard to your interests, all Sandusky Tractors, whether sold direct or thru a Dealer's Sales Room and Service Station, are delivered subject to satisfactory demonstration. A specially trained serviceman will personally instruct you in its care and operation. If for any reason it is impossible to fulfill our guarantee on your work, the tractor is taken off your hands and the purchase price refunded.

## GUARANTEED FREE SERVICE

Each Sandusky Tractor further carries a definite and specific guarantee of free service. This ensures you efficient help and advice whenever wanted and completes a policy which absolutely protects your interests from every conceivable angle.

Write today for a copy of "Power On The Farm," issue J. 68 or E. 65 , or both. It covers all details of design, construction, ability; guarantees and policies. Fully outline your requirements-the number of acres under cultivation and to be cleared, character of soils. crops, per cent of grades encountered both on the farm and on the fully, making a personal inspection if necessary, and adviso you without obligation. Investigate now so as to ensure delivery when you wish it.
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Wichita, Kansas, Branch:- 427 South Wichita St.
Principal Factory Branches, equipped with efficient service organizations, and carrying complete stock of parts;- Bloomington, Dily, Lincoin, Neb.; Fargo, N.
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Mfg. Co. of Texas, Dallas, Texas; Export office, 42 Broadway, Rooms 1001-1010, New York City.



[^0]:    Should be Administered

    1. A woman owning real estato di
    
     could it he allo yed
    reaches his majority?
    transfer of the would a joint deed be a pegal
    t. In a case of this kind it might sen that an administration of
    ought not to be necessary, but our 1 ir requires it. Unless he is disqualitim
    some way the pointed administrator of the estato 2. Yes.

    One of the main advantages of drait blood is an inherited disposition to "un at a moderate pace and to submit to straint from the collar and the bit wit the out fractious fuming and fighting at
    driver.

[^1]:    .

[^2]:    A Good Stock Farm
    

[^3]:    60 bred sows by Illustrator 2nd, Joe Orion 5th, Pal's Giant Pal's Chief. Bred to Great Wonder 2nd, Joe Orion 5th, Giant, Pal's Chief and Illustrator 2nd.
    fall boars by a son of Orion Cherry King.
    Not a sow in the sale that will not make big money for man who buys her.
    Write today for catalog and plan to attend this sale. Address Ceo. Briggs \& Son, Clay Center, Nebraska

