

Cap. 2

# KANSAS FARMER

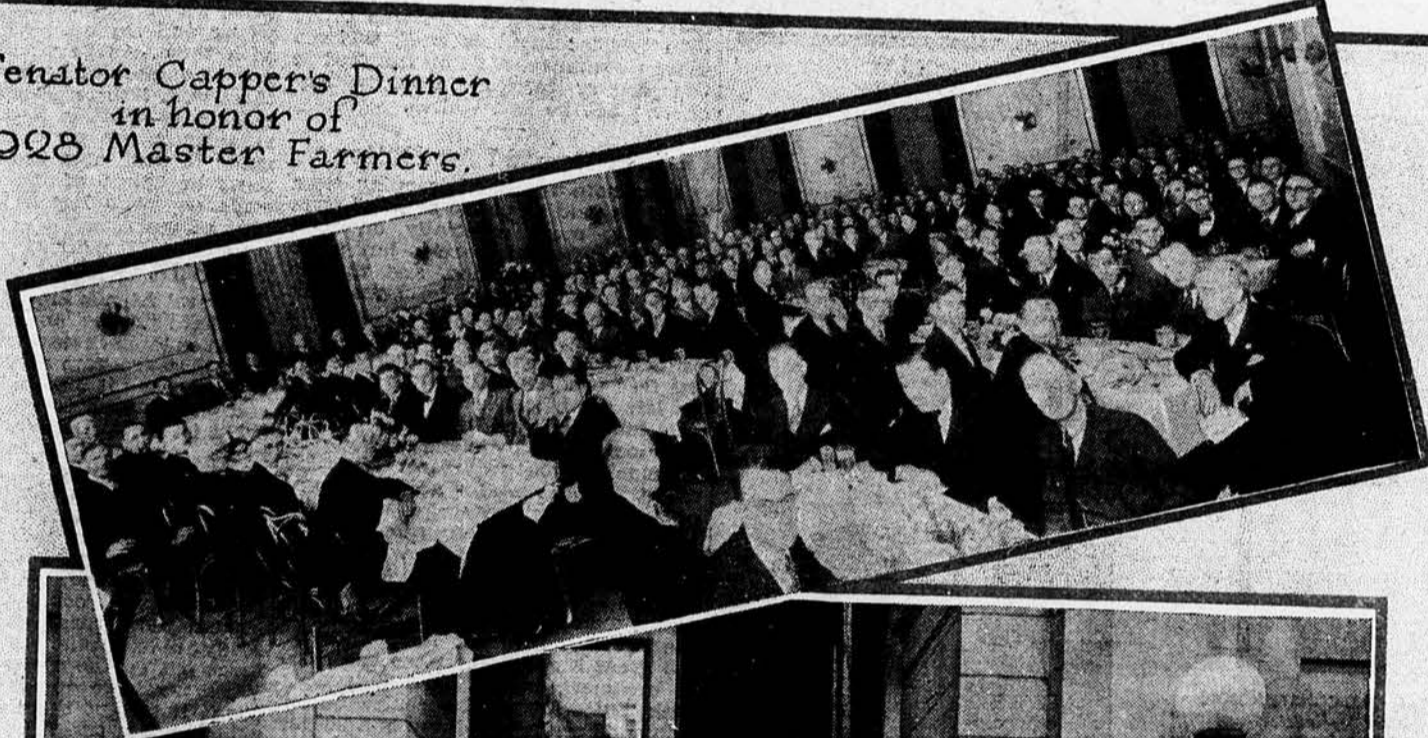
MAIL & BREEZE

Volume 68

January 11, 1930

Number 2

Senator Capper's Dinner  
in honor of  
1928 Master Farmers.



The 1927 and 1928 Master Farmers with Senator Capper

KANSAS STATE AGRICULTURAL  
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MORE MASTER FARMERS TO BE HONORED, JANUARY 17, 1930.

This up-to-date  
"B" Battery

THE  
**Eveready**  
**Layerbilt**

lasts longer and costs  
less in the long run...



**LAYERBILT CONSTRUCTION**  
Here is the exclusive Eveready Layerbilt construction. Only 5 solderings and 2 broad connecting bands, all other connections being made automatically. Waste space eliminated. Layerbilt construction is a patented Eveready feature. Only Eveready makes Layerbilt Batteries.



**CYLINDRICAL CELL CONSTRUCTION**  
This is a typical cylindrical-cell "B" battery. It requires 29 fine wires and 60 solderings—89 chances for trouble. Notice the waste of space between cells.

WHEN you buy your next "B" battery, you will want to choose the one which gives you longest use at least cost. That means Eveready Layerbilt.

The new Eveready Layerbilt "B" Battery has been developed to bring greater economy to battery users. Because it is made of flat cells, it will last from 25% to 30% longer than the cylindrical-cell battery of the same size. There are no waste spaces as is the case in cylindrical-cell batteries. The flat cells fit together tightly, giving you more active material for your money.

Furthermore, an ordinary "B" battery assembled of separate, independent cells (be they round, square or any other shape) needs 60 solderings and 29 fine wires, making 89 places where trouble can develop. The flat cells in an Eveready Layerbilt, however, make connection with each other automatically. Only five solderings are needed, and only two broad connecting bands, each  $\frac{3}{8}$  inch wide. This means the utmost in reliability.

Eveready Layerbilts come in two sizes: Medium No. 485 (\$2.95) and Large Size No. 486 (\$4.25). Either costs only a few cents more than the cylindrical-cell Eveready of the same size and will last from 25% to 30% longer. Look for the Eveready Layerbilt name on the label.

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**EVEREADY**  
**Radio Batteries**

## Kafir Is Selling Rapidly!

And the Yields Are Good, so It Has Been a Profitable Crop This Season

BY HARLEY HATCH

ONE of the radio announcers, in telling about the weather at his station, always has it "as nearly ideal as possible." Well, that is the kind of weather we had down here in Coffey county Christmas week, and many folks cut short the holiday to top kafir and cane; there seldom was a better time for such work as there was no wind; it was warm enough and at the same time cool enough and the grain was bone dry. Many men are selling kafir as fast as it is threshed, as the price is close to that of corn, and the yield in most fields large enough to make it a fairly profitable crop. One of our neighbors has bought 500 bushels of kafir which he is grinding for his fattening cattle, feeding it with corn, half and half. The cattle seem to be making good gains on this ration. One of the Kansas City commission men who drove thru this locality this week told me there were more cattle on full feed in the Gridley territory than in any other place he had visited.

### Less Demand for Butter

I can note a gradual dropping down in prices paid at public sales of farm property, more especially on milk cows. Few farmers care to buy a job with no pay attached, and that is what one does when he buys milk cows at the present price of feed and of butterfat. With butterfat at 30 cents a pound one might get pay for the feed used, but there would be little left for labor. If one had to hire that labor he would in slang phrase, come out at the little end of the horn. If one has his own farm labor he might make it go, for no one is supposed to figure any wages at all for a farmer's time. At any rate, at a recent sale, milk cows that would have sold quickly for \$75 to \$85 three months ago brought from \$55 to \$65, and it took some work on the part of the auctioneer to get that. There is too great a spread between the price of creamery butter and butterfat; with butterfat at 30 cents, butter brings 42 cents, and there is a 20 per cent gain in churning. On the other hand, stocks of storage butter are large, and the demand is less than usual. It is this small demand that is responsible for the low price. Consumers are buying butter substitutes in some instances as low as 15 cents a pound.

### A Change to Tractors

On many Kansas farms, especially those of larger acreage, tentative plans are being made for disposing of most of the horse force and horse drawn equipment and replacing with tractors and tractor machinery. I have a letter at hand from Butler county from a farmer who has 160 acres in cultivated crops which asks what the main drawback is to using tractors and tractor machinery. Well, the main and only drawback we have found, after using tractors for 10 years, is the rather high cost of replacing the horse drawn machines with those built for tractors. On this farm the change was made gradually; at first one small tractor was bought, together with a tandem disk and gang plow. That summer we made a home-made hitch for the binder; we have an 8-foot grain binder that has been used for 10 years which has never had a horse hitched to it. At the present time both our small tractors have been disposed of, going in trade as partial payment for the new general purpose tractors, of which we have two. The cultivated land on this farm comprises 200 acres, and this could be handled with one of the new tractors, but in addition we have a road patrol job that requires the second tractor.

### Should Use Some Horses

We now do all the farm work with tractors with the exception of haying; horses pull the two mowers and the rakes; the bulk of the hay is loaded on wagons and put in barns

and the wagons and loader behind are pulled by a tractor. Here, again, is another place where the tractor is greatly superior to horse power. This fall we cut all the corn and cane with horse power because the ground was dry and the machine took very little power. In making the change to power machinery we traded in on each deal our horse machinery, which was in good condition and which the dealer took readily at its full worth. On the farms of this part of Kansas where considerable stock is kept I do not think it a good plan to try to disperse entirely with horses. On this 560-acre farm we keep six horses, all rather old; they are used principally in haying, corn husking and hauling in feed. It would be possible on such a farm to get along with four horses, but we had these honest old horses when we made the change to tractor power and did not feel like parting with them. As to whether it would pay to dispose of horses and replace them with tractor power and tractor machinery—that is a question every man must answer for himself. To make it profitable the best of care must be taken of the machines by some one who has a turn for that kind of work.

### WJR Is Best, Maybe?

Several friends kindly wrote telling us where "Amos 'an Andy" could be found on Eastern stations which broadcast that program at 7 p. m. Eastern time, making it 6 p. m. here. The best station at which to get this program early is WJR, Detroit, which comes in on Kolster radios at around 54 to 56 on the dial here. On Atwater Kent radios a friend at LeRoy writes me they get the program at around 46 on the dial. Every radio will vary according to make of set, location and length of antenna, but in general this program will come in somewhere around the figures given. Amos 'an Andy are one of the most popular features put on the air, but here in the West we have to wait until 10:30 p. m., if we get them on any station using central time. I am glad to note one thing about our present radio programs; the larger broadcasting systems are making an effort to crowd jazz off the air, and with good success. I know of nothing of recent invention which has done more for entertainment and education in the farm home than the radio. Every event of importance is brought to us which can be broadcast, from a basketball game on up to the recent Edison celebration at Detroit.

### In Days of Old

Santa Claus not only brought to this locality some of the most pleasant winter weather on record, but he also brought to the writer a number of most welcome gifts, gifts that are prized for personal reasons. Among them is a quart jar of Vermont wild raspberry jam right from the hills where in boyhood I gathered similar berries which to the taste of this writer are far above any other fruit grown. This present brought to me memories of summer days among the Vermont hills, days most pleasant to look back upon. I am told that the wild raspberries, formerly so plentiful that they were shipped from local stations by the barrel, are now scarce and hard to find. Like all the other wild things of earth, they are passing away. Another prized gift was a "History of Emporia and Lyon County," written by Laura M. French, who is well known as an authority on pioneer days, which are not so very far away after all. Lyon county affairs are scarcely second in interest to us from those of Coffey county, for we live but 1 mile from the Lyon county line, and part of Jayhawker Farm is just across the road from Lyon county. This history of Lyon county would be of interest to all Kansans, for the early days of one county were almost like similar days in another. The reading of this book is giving me a great deal of pleasure.

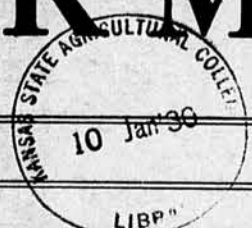
# KANSAS FARMER

By ARTHUR CAPPER

Volume 68

January 11, 1930

Number 2



## The Business Farmer Is Here Today

*Every Operation Under Green's Direction Is Handled Efficiently, With Marketing Receiving as Careful Study as Production*

**A**S A business farmer, George B. Green of Jackson county is a genuine success. We hear a great deal about that particular subject today. Everyone from the small retailer to the giant of industry has been focusing a weather eye on agriculture, because it seems that, after all, the farmer's success or failure rather shows up in the net cash returns of other business. Consequently "Mr. Big Industry" and "Mr. Retailer," along with numerous and sundry associates, have held conferences—oh, more of them even than there are filling stations—in which they discussed garrulously the past, present and final fate of the farmer. They have done everything to this son of the soil verbally that could be done. But the consensus of opinion, as we gather it, is that the farmer should be a business man. At any rate they all seem to agree on that one point, if no other.

Now, the purpose of this article is not to debate this point with the gentlemen of the city—some of them wise, some of them otherwise. Rather it is to agree with them on this business idea. They are right. However, we don't always fully appreciate the tone of voice in which that statement is made. Too many times it indicates that the speaker believes farmers have failed to command business ability in the past. We prefer rather the statement: "Certainly the farmer should be a business man," indicating that he is at present, but allowing for improvement in the future. We know farmers in every county in Kansas—dozens of them—who operate their big plants as efficiently and effectively as any city business man in existence. In the past the Kansas Farmer has printed their stories. In the fu-

By Raymond H. Gilkeson

is "in the red" or edging that way, he figures out what is wrong and makes any necessary readjustments.

Plain, ordinary farm business ability has pointed out to Mr. Green the wisdom of adopting newer methods and better equipment in his chosen work. Better diversification, purebred livestock, pure seed, more satisfactory feeding methods—these factors and many others have entered into Mr. Green's progress, just as corresponding equipment in the city makes for business development there.

Factory competes with factory in an effort to put out the most desirable finished product for

of service. Will the Green farm factory, already of long standing, go on? This is possible and entirely probable. The sons and daughters are being taught the real importance of agriculture. They have their duties and their remunerations. They belong to the 4-H clubs and have their lambs, pigs and baby beeves, and the profits resulting from their projects. All of this is business ability. Kansas agriculture is replete with it.

You will be interested in a "close-up" of Mr. Green's farming operations. He owns 840 acres, divided into three farms. He and the boys farm



ture the same medium will bring others. We contend that there is as much business ability in rural Kansas per capita as there is in any city the geography names. True enough, more farmers need to be better business men, but the same thing applies to town folks.

### Records Keep Him Straight

Mr. Green, as we have said, is a business man. In telling his story we prove our point. First of all he has worked out a system of doing things on his farms that would bear the scrutiny of a trained efficiency expert. He knows when certain jobs must be done, because of his wide experience and study, for best results. Before it is time to start the more important farming operations he has his plans laid for that work. He has his force of help and farm power marshaled in readiness so that any given job may be started promptly, and so he can take advantage of "breaks" in his favor that will offset unforeseen and seasonal difficulties. Indeed, that is business ability in action on the farm.

If you were obliged to wait longer than ordinary, before you were served by the clerk in your favorite grocery store, in the first few days of this month, while that clerk and perhaps the boss were checking over a shelf of stock and marking down strange-looking characters and figures in the store account book, you probably recognized the fact that they were invoicing. What of Mr. Green? Were you to call on him at the first of the year you would find him making an inventory and statement of his net worth, and summarizing his accounts at the end of the year to determine his production costs. Obviously he keeps satisfactory accounts thru the year for this very reason. There you have our business farmer, alert to everything he is doing. If one department of his big farm plant



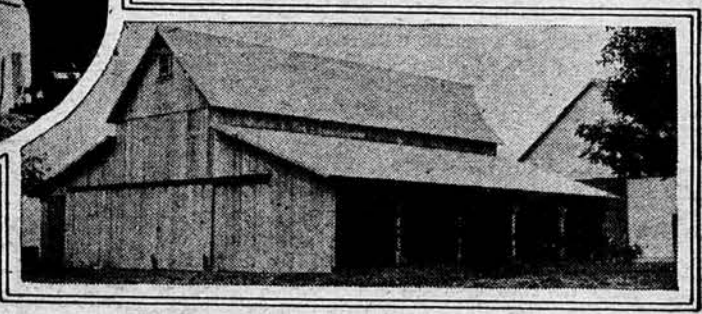
the consuming public. In Mr. Green's case every bit of raw materials—feeds—produced on his farms is turned into finished livestock, at least part of the animals with quality enough to be market toppers in competition with similar finished products from other farm plants. Buildings for this farm factory are entirely efficient and were erected with the knowledge that they would pay for themselves and return dividends. For example, grain storage holds the supply needed on the farm and helps, therefore, in orderly marketing. If Mr. Green had to sell his feed and then buy it back again—at a higher price, naturally—that wouldn't be orderly marketing. With machinery properly sheltered when not in use, depreciation is cut down sufficiently to pay for the necessary buildings for this purpose.

In the case of the farm land, this business farmer feeds fertility into the soil for future yields just as carefully as the city business man cultivates the good will of his patrons. This system has greatly increased the production of his farms, thus allowing him to expand. Now let's peek into the future, the same as other lines of business are prone to do. An establishment on main street, you know, boasts of its long period



400 acres while the other two farms are crop-rented, but still are under the owner's supervision. Because he keeps a close account of every farming operation, it didn't take Mr. Green long to name the two most profitable features of his work. They are baby beef and alfalfa.

Looking into the cattle department of this farm we find 250 to 300 head, including 70 head of breeding cows and a registered bull. These are Angus and some Herefords. "I always have 250 head or more of cattle," Mr. Green explained, "and I find



George B. Green, Jackson County, Whose Likeness Appears in the Oval at Top, is a Real Business Farmer. So That the Home Would be as Efficient as the Farming Operations Mr. Green Built His Own Electric Power Line from the Nearest Town, at a Cost of \$750. As a Result This Fine Farm Home is Equipped With Numerous Conveniences and Labor-Saving Attachments. The House, Barns, Granaries and Machinery Shelter Shown in the Photographs Reflect Mr. Green's Ability as a Capable Farmer

it pays to maintain a breeding herd and finish calves as baby beef. We never are too old to learn things that will help our business. For example, I am new in creep-feeding work, but it pays me so well I couldn't afford to give it up. It is one of the most profitable things I ever did."

In teaching the calves to create an appetite for something more than a liquid diet and perhaps some pasture, Mr. Green uses a system that seems to produce the desired results. "In breaking the calves to feed," he said, "I allow them to run with their mothers all day, but at night I put them in a separate pen, but close enough so they can see their mothers. In this pen the calves have access to oats, shelled corn, a com-

(Continued on Page 26)

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## Passing Comment

By T. A. McNeal

**C**RITICISM has a very useful place in public life. If it is fair criticism it tends to greater efficiency and a vigorous enforcement of the laws. The natural tendency of officials is to take the line of least resistance to "get by" with as little trouble and friction as possible. That is characteristic of the great majority of men and women in private life as well as in public life. But there is such a thing as unreasonable criticism. It seems to me that there has been a good deal of that kind of criticism coming from some of the prominent United States Senators within the last week or two.

### A Vast National Experiment

**N**ATIONAL prohibition is the most stupendous endeavor to enforce habits of sobriety and good conduct ever undertaken by any nation. It interfered with the social habits of a large number of citizens. While I am satisfied that it represents the sentiment of a majority of the people of the United States, it cannot be denied that it is bitterly opposed by a very large minority. It provides severe penalties for those who manufacture or sell intoxicating liquor, but does not provide punishment for those who buy it. Of course the bootlegger and illicit distiller and the individual who makes the stuff without either the aid of a still or brewing machinery could not continue in the business without the patronage of the buyers; if there were no buyers of bootleg whisky there would be no bootlegging. In most other crimes the one who aids and abets in the commission of the crime is held equally guilty with the one who actually commits the crime.

Quite probably the profits in selling bootleg liquor are not so great as is generally supposed, but they are certainly large enough to tempt a great many persons who are not troubled with qualms of conscience. There are I think, a great many folks who are reasonably honest so long as they have no particular temptation to be dishonest, but who can be tempted without much difficulty. That kind of men are tempted by supposedly enormous profits in the business of making and selling intoxicating liquor. The fact is that the majority of them do not make a great deal of money and do get into a great deal of trouble. Even if they escape arrest and conviction they become the prey of the leeches and blackmailers who live off the men and women who have forsaken the path of honesty and obedience to law. Once a man gets into the bootlegging business he necessarily links himself up with other criminals and does not dare to betray them.

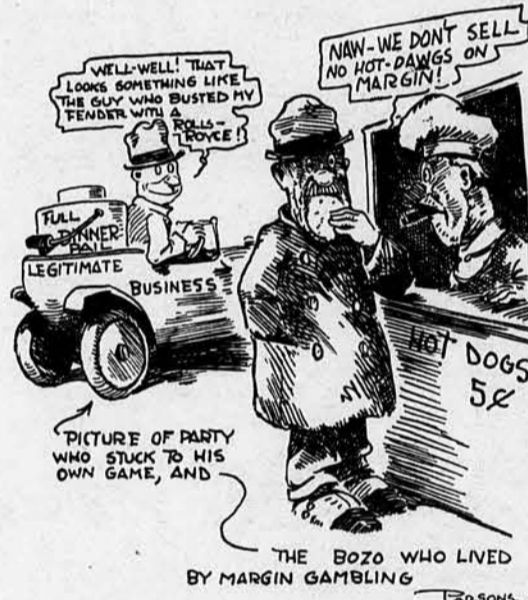
### Detective Work is Required

**T**HERE are a good many things connected with the enforcement of the prohibitory law that are unpleasant. It calls for a good deal of detective work that is distasteful to a great many men of fine sensibilities. It is no doubt true also that there are men who are attracted to the work of prohibition enforcement by the opportunities it seems to afford for graft. It would be strange indeed if among the army of enforcement officers there are not a good many black sheep. If Senator Borah, or any other Senator who is criticizing the personnel of the Prohibition Enforcement Department, were given full authority to pick the men whose duty it is to enforce that law, they would not improve the force. The chances are that they would make it worse.

I have no doubt that, speaking generally, a more active and earnest effort is being made right now to enforce the Volstead law than there has been at any time since it was enacted, and furthermore, that it is being better enforced, but it will be a long time before the law will be rigidly and effectively enforced all over the country. If all the people who consider themselves reputable citizens were to set a personal example of living up to the spirit of the law it would help a lot. Frequently, but not so frequently as formerly, there are men who take their drinks but say they are in favor of the enforcement of the law. Of course they are liars. No man is at heart in favor of a law who at the same time assists in the violation of that law.

### For World Peace

**A** VALUED subscriber writes me on the subject which just now is engaging the attention of the world to an extent it never did before; viz, world peace. His idea summed up and boiled down is that the thing to do in time of peace is to talk peace, to educate the people to believe in the settlement of national disputes by peaceful means rather than by force; to quit predicting war, to talk the people of the different countries out of the notion of fighting before the fight begins. After a fight starts it is almost impossible to stop it until one side is whipped or both are exhausted. There is very good sense in that, it seems to me. This subscriber is not pessimistic nor discouraged. He winds up by saying: "At least I am not discouraged, and under this outline I think war will be a thing of the past, and the training of the home, the school and the church will not be forgotten or ignored when the child has become an adult. Here is a plan I approve: Every man or woman who advocates war



should be hurried into a soldier's uniform and made a buck private, to endure the rigors of military discipline and have a chance of tasting death on the battlefield if a war occurs. If there had been such a plan in operation among the nations of the world in 1914 the World War might not have happened, and the destruction of so many lives and so much property and the staggering national debts left as a heritage of that war. We have purchased peace at a great price and must not have a repetition of that vast sacrifice."

If it is correct to say, as I think it is, that the best way to prevent war is to cease to prepare for war, then the Government of the United States should cease to maintain two institutions whose sole purpose is to educate young men for war. Every United States Senator and Member of the Lower House of Congress has the right to appoint two young men to both West Point and Annapolis. Each delegate from a United States territory has the same privilege, and besides that, the law provides for 80 additional appointments to each of these institutions. This means that every year these institutions are turning out several hundred graduates educated for the military profession. Of course we must have an army and navy large enough to absorb these graduates, for without any opportunity to apply his military education the graduate of West Point Military Academy or of Annapolis Naval Academy would soon get rusty in military tactics and possibly forget nearly everything he had learned.

In times of peace promotions in the army and navy are slow, and the life deadly dull. Having really nothing worthwhile to do it is not remarkable that social scandals break out at army posts. About the only chance these young offi-

cers have for promotion is a war. Not very long ago I was told that a favorite toast at gatherings of young army officers was, "Here's to either an early war or an epidemic of disease among the higher officers."

There are a number of private military schools. If parents want to send their sons to these institutions I suppose that is their own business, but it seems to me entirely inconsistent to talk about abolishing war while at the same time Congress is appropriating millions of dollars every year to be spent in educating young men for the business of war.

### Curious Lawsuits

**I** ALWAYS took a lot of interest in lawsuits," remarked Truthful James, "especially the ones that used to be tried out in Western Kansas in the early days. Some of them were mighty peculiar, as well as interestin'. There was the case of Zeke Connors against Ike Simons. Both of 'em settled out in Western Kansas and took up homesteads. They lived in different townships, Ike's homestead bein' just about 6 miles north of Zeke's. Zeke was one of the most constant and voluminous tobacco chewers I ever saw. As soon as he got the juice out of one quid he bit off another, and a 10-cent plug in them times, when the plugs was bigger than they are now, would make just four chaws for Zeke.

"The wind out there, especially in the spring, was something fierce, and sometimes it kept blowin' for four or five days and nights without a let-up. Well, on one of the windiest days that was ever seen in that country, Zeke was chewin' and spittin' to the north. He spit out a quid about the size of a walnut, preparatory to takin' another chaw. It happened at the same time that Ike Simons was standin' out in front of his dug-out viewin' the weather. He was lookin' south, when suddenly that quid Zeke had spit out 6 miles south uv there hit Ike square in his right eye, practically puttin' that orb of vision out of business. It also caused Ike a sight of pain. He knew just what kind of a tobacco chewer Zeke was, and it made him b'ilin' hot.

"He didn't like Zeke very well, anyhow, havin' had some words with him about some of Zeke's cows gittin' into his spd corn, and he set out for Dodge City to see a lawyer. The lawyer, after hearin' the facts, told Ike that he had a case agin Zeke for damages. Well, Zeke's lawyer filed an answer admittin' that Zeke chewed tobacco and alleged that it was his constitutional right to chaw tobacco; he also admitted that on the day mentioned in the petition of the plaintiff, Ike Simons, he was exercisin' his constitutional right and did spit out the quid, but that he had no idea that Ike was out prospectin' round in the wind, and that if he was he was at least 6 miles from the place the defendant was standin' when he spit out the aforesaid quid. If the wind carried that quid over them intervenin' 6 miles and socked Ike in the eye, that was an act of God, and he, the defendant, wasn't in no way to blame.

"When the judge, who was opposed to chewin' tobacco on general principles, come to charge the jury, he told them that the idea that God had anything to do with chewin' tobacco and squirtin' the juice around was absurd, and that the jury shouldn't consider that as a defense, 'but gentlemen of the jury,' he continued, 'the court instructs you that any man who is fool enough to stand facin' the wind on a day like that was, with his eyes or mouth open, is guilty of contributory negligence, and therefore can't recover damages. You are instructed to return a verdict for the defendant.'

"Ike Simons was always either in a lawsuit or tryin' to get into one. One time a horse ranch owner out there, out of goodness of heart, give Ike a hoss to help him out in his farmin' operations. The hoss got something the matter with it and died about a month after Ike got it, and blamed if he didn't bring suit agin the man who give him the hoss, askin' for judgment for the value of the feed he had give the animal durin' the month he had him, and also for the value of the work he would have got out of the hoss during' the season if the animal had lived."

### Must Produce the Will

A and B were husband and wife and had no children. They planned on an extended trip thru the west. Before going they made a will in favor of the tenant on their farm. A had no relatives. B has relatives but had made a will to the effect that her relatives were left out. After being away two years they returned and decided to travel further. Before going away this time A told the tenant not to leave the farm or buy one as he wanted him to have his place in case anything happened; he also told his wife the same thing. While on this trip A died. B returned and asked the tenant to rent the place for another year. B has not filed A's will with the probate court, and has now ordered the tenant to move from the farm. Can B force the tenant to move without filing the will after A had told the tenant he wanted him to have the place and stay on it?

T. E. D.

This tenant, the beneficiary of the will, may require B to produce the will in the probate court for the purpose of having it probated. If A while alive made a written contract to rent the place to this tenant, such written contract would be valid during the time specified therein. If it was a mere verbal contract it would be good for only one year, and this tenant could hold under it for only that time. Even if A made a will bequeathing this real estate to the tenant, that would not prevent B, the wife, from claiming one-half of it, and she would have dominion over one-half of this real estate and could refuse to rent the same to this tenant. But a verbal contract with A made while he was alive would be good as to the other half, at any rate, for one year, and I think would be held by the court to be good as to the whole tract of land for the one year.

### Legion Will Help

How may one obtain the record of a young man who enlisted or was drafted in the World War in 1917? I do not know what division he served in. All I know is his name and that he was last heard from at Larned, Kan. C. L. H.

If he either enlisted or was drafted in Kansas, there, of course, is a record of it. I would suggest that you send his name and whatever information you may have to Captain Harry Colmery, State Commander of the American Legion, Topeka, Kan. I think the Legion has a department that looks after cases of this kind.

### To the Government Mint

Where can I send some gold nuggets to find out their value? How would you suggest sending them, by registered mail or insured express?

J. P.

I would send these to the Government Mint at Denver, Colo., by express, and insured for whatever you consider is their probable value.

### Depends on the Package

Is a postmaster or an employe allowed to tear packages open after they have reached their destination?

S.

This question is very indefinite. The postmaster or the employe of the postoffice might have the right to open packages. It would depend entirely on the character of the package. I would say, speaking generally, that unless there is

some reason to suspect that the package contains forbidden matter, that is matter which is not permitted to be transported thru the mails, they would not be permitted to tamper with the mail of a private individual.

### Can Remove the Wire

A and B have adjoining farms. There is a hedge fence which sets 2 feet on A's land. Can A cut and dispose of the hedge? B has hog wire on his side. Can he make A pay for half of the wire?

H. R. W.

As there seems to be no question about the division line in this case, it being admitted that the hedge grows upon A's land, it belongs to A, and he has a right to dispose of it just as he would dispose of any other timber growing upon



CUT THE FARM WOMAN OUT OF THE PICTURE AND THERE ISN'T MUCH LEFT

Parsons

his land. B evidently was permitted to use this hedge as a matter of accommodation and fasten hog wire to it. He has a right to remove his hog wire. Either of these adjacent landowners can compel the other to build his half of the division line fence.

### Kansas Has a Flag

I would like to know about the new Kansas flag. I talked to someone who said there was a new flag made. I never heard of it before. I would like to know what color it is.

V. R.

The legislature of 1925 enacted a law providing for an official state banner. The law is composed of two sections. Section 1 provides that a state banner be adopted to be used on every and all occasions, when the state is officially and publicly represented, with the privilege of the use by all citizens on all fitting and appropriate occasions authorized by the state authorities. Section 2 says that the official state banner of Kansas shall be of solid blue, and shall be of

the same tint as the color of the field of the United States flag, whose width shall be three-fourths of its length, with a sunflower in the center, having a diameter one-third of the space of the banner, enclosing and surrounding with its petals the state seal of Kansas; above the sunflower is the word Kansas, in letters one-eighth of the length of the banner. Service banners may be made of bunting or other material of such sizes required, all conforming to the proportionate specifications.

### Give 30 Days' Notice

I have sold a residence property on the time payment plan. How many months must the payments be delinquent before starting foreclosure proceedings in Kansas?

G. K.

That, of course, would depend on the kind of contract you have. A great many sale contracts provide that if payments are not made in accordance with the terms of the contract that such payments as have been made are forfeited and the grantor, that is the person who sells the property, would have a right to immediately take possession of the property himself. If you sold this property and secured the payments not made at the time of transfer by a mortgage, then in case of a default in payment of the interest or of any of the payments at the time provided for, foreclosure proceedings could be commenced at once by the filing of a petition and issuing of a summons. The summons should be issued to the defendant at least 30 days prior to the term of court at which the case is expected to be tried.

### More Than 3 Miles

Is there a law in the state of Kansas providing that any child of school age that walks 2 miles or more to school can collect 25 cents a day, and can back up be collected?

G. N.

No. Where children reside 2 miles or more from the schoolhouse the law provides that the district may furnish transportation, and where the children reside 3 or more miles from the schoolhouse by the usually traveled road the school district shall either furnish transportation or it may make arrangements with the parents or guardians of such children to transport the children to and from school, and for such service the parents or guardians shall receive not less than 15 cents a day. But unless the child is transported the district is not liable even for this amount, and the district would not be liable in any event where the distance traveled is less than 3 miles. Where it is from 2 to 3 miles it is optional with the district.

### Inherits All or Half

A and B are husband and wife and reside in Kansas. A has real estate. B has no real estate. They have no children. If A should die first would B fall heir to all the property or would his people receive part of the property?

B.

If he made no will B, his surviving wife, would inherit all the property. He has a right to will one-half of his property as he may see fit. B in any event would inherit one-half.

# Co-operative Law Enforcement Coming

TEN years of prohibition, that have not entirely prohibited, have brought the need of law enforcement by national, state and local governments to a head. Prohibition has been generally successful in the small cities and towns and in the agricultural regions of the country.

There is no gainsaying it has not been successful in the larger cities, where it has not been as popular and where its enforcement by local officials in too many instances has been lukewarm and ineffective.

Law enforcement is the outstanding problem facing the present administration, and I believe President Hoover realizes that fact.

A definite program is needed, and is in sight. This program must include a national program, state programs, local unit programs, all hooked together, co-ordinated. Lack of such co-ordination is responsible for many of the unsatisfactory phases of the present situation. So far as the nation is concerned, such a program should include—

Relief of court congestion thru bringing court prosecuting procedure up to date.

Centralization of prohibition enforcement in the Department of Justice.

Unification of border patrols under central control.

Codification of prohibitory laws.

The states would do well to name law enforcement commissions similar to the federal commission named by President Hoover. The larger cities should have similar commissions.

All these law enforcement commissions could then co-ordinate their efforts. In each state and city would be a clearing house for law enforcement. Information can be gathered, classified, digested, and made available for state and local legislative bodies, for state and local enforcement officers, and their work could be harmonized with that of the Federal Government in a

more intelligent and effective way than now is possible.

Conditions attendant upon enforcement of the prohibitory laws over the nation, and particularly in the big coast and border cities and adjacent territory, have centered attention on prohibition.

But the matter goes far deeper than the Eighteenth Amendment and laws passed in furtherance of that amendment.

The automobile has largely erased state lines in crime as well as in commerce and travel.

States and local governments were powerless in dealing with automobile thefts; with the trade in narcotics; with misuse of the mails; with crimes and criminals across state borders.

It was inevitable that Uncle Sam should become more of a policeman. The Federal Government was forced to pass laws for the protection of persons and private property, a protection that was intended to be left largely to state and local units when our government was founded.

We have enacted federal statutes along these lines. We have not adjusted our executive and judicial machinery to the changed conditions and changed federal statutes.

The Federal Government has not shifted gears because the national legislature has not provided a gear shift. We have asked our district attorneys and our federal courts to operate at Twentieth Century speed with Eighteenth Century machinery. And evidently it cannot be done successfully.

The federal law enforcement machine needs a gear shift that will enable it to go into high; also an accelerator.

This need is well understood by President Hoover, altho he has expressed it in much better and more coherent language. I am confident that his commission on law enforcement will present a program to the congressional joint committee which will provide the machinery necessary to effect this result.

So far as the present flareup in Washington over enforcement of the prohibitory law is concerned, it is but an incident in the progress toward the goal of law enforcement and law observance.

Looking back to our own experience in Kansas, which has had 44 years of prohibition, I can see marked similarities.

The United States as a whole is going thru a similar process—and progress—of education thru trial and error.

The country is fortunate in having President Hoover at the head of our government at this time.

And I also feel every confidence in the ability and sincere purpose of Attorney General Mitchell to make law enforcement effective.

However, legislation is necessary. A centralization of law enforcement power, including enforcement of prohibitory laws, must be worked out.

Co-ordination in the federal departments and co-operation between the Federal Government and the state governments are necessary.

I look for definite results from the studies already made by the President's commission on law enforcement when these are worked upon by the commission and the joint committee from the House and Senate.

I have every confidence that the program will be one that every true friend of law and order can support wholeheartedly and as time goes on the driving power of public opinion will coalesce behind law enforcement and law observance will become popular.

The fight is on. In my judgment it is a winning fight.

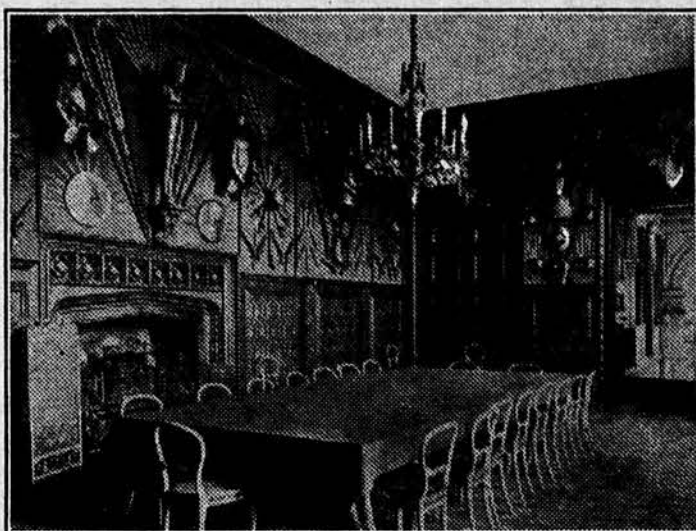
Arthur Capner

Washington, D. C.

# World Events in Pictures



Jackie Ott, 9, Swimming Marvel of Miami, in a 30-Foot Dive Into a Flaming Pool. Fire Was Made by Pouring 50 Gallons of Gasoline on the Water and Igniting It



One of the Committee Rooms, With Decorations of Priceless Ancient Armor, at St. James' Palace, London, Where Preparations Were Made for the Five-Power Naval Conference. King George Set Apart a Private Section of the Palace for the Personal Use of Officials Attending the Conference



Lucille Anderson, Los Angeles, Holding Special Knife With Which She Won the World's Pea-Eating Championship. She Ate 5,000 in 1 Minute, 10 Seconds



The Room Once Used as an Office by Gen. John J. Pershing in the State War and Navy Building, Washington, Which Will be Temporarily Occupied by President Hoover While His Office in the White House, Destroyed by Fire Christmas Eve, Is Being Rebuilt



Hazel Heinrich, One of the Students at the University of Miami, Donning Her Diving Helmet Before Going Down to Her Submarine Classroom; and Dora Peterson, Another Student of This Strange School, Exhibiting a Few Interesting Specimens She Found



The Scene at Marconi House, London, When M. G. Marconi and His Assistants, G. S. Kemp, Left, and P. W. Paget, Again Went Thru the Ceremony of Transmitting the Famous "S" Signal, the First Wireless Message to be Received Across the Atlantic. That Signal Reached St. John's, Newfoundland, First in 1901



Gen. J. C. Smuts, Representative of the League of Nations in the United States and Canada During the League's 10th Anniversary Celebration. He Arrived at New York December 30, and Will Urge America to Join



The Beauty of Nature in Winter. A Charming Study in Snow Near the Chasseral in the Swiss Jura, Where Thousands of Winter Sports Lovers Gather to Enjoy Skiing, Skating and Sleighing



Here Is Something with a Thrill. Behind Speedy Horses These Men Sail Swiftly Over the Surface of the Snow. This Is Called Skijoring and Originated in Switzerland. We Are Not Coaxing Old Man Winter to Do His Stuff, but When He Does We Might Try Out Our Snow



President-Elect Pascual Rubio of Mexico, and Members of His Party, on the Front Portico of the White House, Washington, Shortly After Mr. Rubio Had Been Received by President Hoover, with the Same Honors That Would be Accorded the Chief Executive of a Foreign Country. President Rubio Stands at the Right of President Hoover

# As We View Current Farm News

## Fodder Seems to Be Getting Some Experience in Chemistry

**F**ORTY acres of cornstalks will provide heat, power, cooking and lighting for the average farm home for an entire winter, reports Dr. A. M. Buswell of the University of Illinois. Looking at the thing superficially, we would be inclined to agree with a friend who said, in a joking manner: "Yeh, just try dumping 40 acres of cornstalks at the farm housewife's kitchen door, and tell her to heat and cook with them all winter; she'll make things hot for you!"

It is a round-about process to get such results with cornstalks yet, but it is interesting to know about things that are being done in these lines. Such findings might eventually provide additional incomes for Kansas farms.

The professor adds that 4 acres of cornstalks will provide illumination for the farm home already mentioned for a year. The cornstalks are placed in a septic tank where they generate methane, or marsh gas, which is credited with heating and illuminating qualities approximate to coal gas. After the gas-producing ability of the stalks—or wheat or other grain straws and husks—is exhausted, the refuse can be purified and be made into paper, Doctor Buswell contends.

With cork substitutes, synthetic lumber, wall board, new sugars, adhesives, motor fuel, lubricating oils, charcoal, wood alcohol, ceramics, hard rubber and bakelite substitutes, explosives, perfumes, anaesthetics and tear gas already on the list of things that can be made from cornstalks, straw and similar "waste" farm products, and now heat, power and light in addition, fodder seems to be coming into its own. Sounds almost as uncanny as making a fountain pen or a cane out of skim milk.

### To Name Kansas Farmer

**I**T HAS been learned that Herman W. Avery of Wakefield, will be named organization specialist for the Federal Farm Board some time soon. This is a job similar to the one now held by James R. Howard of Iowa, former head of the American Farm Bureau. He will travel over the country in the interest of co-operative organization, and act as adviser-general to the co-operatives.

Mr. Avery, who farms near Wakefield, in Clay county, is a member of the Kansas State Board of Agriculture, and has been active in farm organization work for years. He formerly was a state senator. Because of his outstanding accomplishments as a farmer he was selected as one of the Master Farmers of Kansas for 1928. Mr. Avery is a cattleman and diversified farmer. He is a member of the Farm Bureau, Farmers Union and State Grange. He also is a member of the board of directors for the Kansas State Fair at Hutchinson.

### Agriculture as Big Business

**K**ANSAS agriculture seems to be going into big business. One of the largest farming corporations yet chartered by the state board recently was authorized to transact business in Kansas. It is the Kansas Farms Corp., organized to do general farming business in the state, and will issue 100,000 shares of no-par common stock and \$100,000 in preferred stock. The company will maintain headquarters in Topeka. Robert Stone, prominent local attorney, is one of the incorporators. The other men include: A. D. Jellison, Junction City; M. D. Babb, Junction City; J. E. Minor, Kansas City, Mo.; N. W. Jacobs, Junction City, and H. M. Bainer, Kansas City, Mo. The company will engage in livestock breeding, grain production, build elevators and promote co-operative marketing as a part of its farming activities to be carried out on a large scale.

### From 15 Cents to \$50

**F**IFTEEN cents' worth of turnip seed doesn't have the appearance of much potential profit, but just the same Henry Buschmann, Barton county, turned such a purchase into \$50. He produced and marketed just that many turnips from a 15-cent package of seed on his farm near Ellinwood. His prize turnip weighed 9 pounds, and measured 28½ inches in circumference.

### A Case of Necessity

**A**PREDICTION that the agricultural population in the United States never will become less, and that both the corporation and "family" farm will thrive in the future, was made by E. R. Jones of the University of Wisconsin, before the American Society of Agricultural Engineers re-

cently. We can't be so sure about the farm population, but corporation farms have their merits and will continue, and we absolutely cannot get along without the individual farmer, and on the other hand he can't give up, so they will have to get along together.

### Farm Bureau Must Help

**T**HE history of the Nemaha County Farm Bureau reveals an increase of millions of dollars annually in the sale of farm products in Nemaha county. In 1916, before the bureau was organized, sales from Nemaha county farms totaled less than 6 million dollars a year. The volume of sales now has passed the 10 million dollar mark, as shown by the assessors' reports. This increase has been seen in horticulture, crops, animal husbandry, dairying and poultry.

The Farm Bureau isn't prone to claim all the credit for this fine progress, but just the same



this particular organization has sponsored successful improvement projects in every phase of farm work in which advancement has been made. Without the Farm Bureau, it is doubtful whether Nemaha county could have climbed to the half million dollar mark in poultry production, ranking seventh in poultry output in the state.

### Three at a Time

**T**HE papers say, and seem to doubt it, that George Unruh, 16, was hunting somewhere in the vicinity of Belpre, when he saw a rabbit and raised his gun to shoot it on the run. Another rabbit jumped up in direct range, with still a third rabbit sitting behind a bush which George did not see. He fired one shot, so the story goes, and got all three rabbits. Well, it's some story.

### Getting Ready for Harvest

**H**ERE is an example of faith in Kansas agriculture. Implement dealers at Sublette, in Haskell county, already are preparing for the big wheat harvest of 1930. Three carloads of power farming equipment have been unloaded there. And that is just a sample of what is going on in progressive Western Kansas.

### A Sweet Crop for Sure

**T**HERE is lots of "sugar" in some crops—meaning money in the slang terminology, and actual sweetening at one and the same time, if you please. J. A. Becraft, Finney county, grows exceptionally large sugar beets. One beet, after being topped, weighed 11 pounds. Another weighed 8 pounds and measured 17 inches in circumference and was 26 inches long.

### Celebrated Four Days Late

**N**OT long ago somebody discovered that everything we know about automobile engines "is wrong." We thought that was the limit, because our car operates at least part of the time. But we hadn't heard anything yet. Now appears the National Geographic Society to declare that everybody was wrong in celebrating New Year on January 1. But the society doesn't place the blame on a celebrating world. Instead it is the fault of Julius Caesar, who "assumed the year

to be 11 minutes and 14 seconds longer than it really is," and with Pope Gregory, who in 1582 made an incomplete correction. If neither of these eminent ancients had slipped, the statement from the society says, New Year would have been on the day we now call December 28. Those 11 minutes and 14 seconds extra that Caesar allowed multiplied themselves thru the centuries and by 1582 were 14 days out of place. When Pope Gregory made a correction in that year he missed the right date by four days.

### Back to the Farm Movement

**M**AYBE land is a good investment after all. No sooner is everything settled for Marion Talley, postoffice address and everything, than along comes Senator Henry J. Allen, who it is said has completed a deal for 1,280 acres of land in Wallace county near Sharon Springs, which is seeded to wheat and shows good prospects for a crop next year. Rumor whispers that the price was in the neighborhood of \$25,000. Western Kansas wheat land has been considered a good investment by capitalists for some time, as one good crop frequently pays for the land.

### Why Incomes Increase

**T**HE income of the people of the United States has increased 23,470 million dollars in the last 10 years and almost 60 billion dollars in the last 20 years, according to the National Bureau of Economic Research. And farmers have shared in that increase because the more folks in town receive the more they buy from farmers; and the more farmers get the more they can buy from the folks who buy from them, so those folks can buy some more.

### Working for an Egg a Day

**T**HE world's champion egg-laying hen is a Canadian, Lady Victorine, a Barded Plymouth Rock pullet, owned by the University of Saskatchewan. She produced 358 eggs in one year, beating Mazie, former champion, by seven eggs. The White Leghorn owned by the University of British Columbia won the previous International record by laying 351 eggs in 365 days. About a dozen hens of that ability would make a flock.

### This Hog Registered a Kick

**H**OW hard can a hog kick? Well, almost with enough force to send a man to eternity. The other day Frank Lockert, Coats, fell while in his hog pen and one big porker took a poke at him with a hind hoof. The kick connected with Lockert's hand in which he held a knife. The blade of this knife was driven into his skull 1½ inches. But good surgery prevented fatal results.

### Went Over the \$1 Mark

**A**BUSHEL of prize corn of the Riley county corn yield contest, grown by Frey Brothers of Manhattan, sold at public auction recently for \$38.50, said to be the season's record price in Kansas. A second bushel sold for \$34.50. Local banks were the successful bidders in both sales. Yep, we'd like to do it, too.

### Dean Call a Director

**T**HE appointment of Dean L. E. Call, head of the division of agriculture of the Kansas State Agricultural College, as a director of the Federal Farm Loan Bank at Wichita, has been confirmed. Dean Call is to be "outside director" for Kansas, to assist the board on Kansas farm loans. He succeeds A. Rochester of Tribune, treasurer of the Wichita bank.

### One Farm Problem Help

**T**HE population of continental United States increased 14,299,000 in the 10 years ending July 1, 1928, to 119,306,000, according to the National Bureau of Economic Research, New York. Now, let's see. These folks surely have to eat, and that ought to help the farm problem some.

### Fate Played a Mean Trick

**W**ELL, sir, the unexpected will happen. W. F. Liggett of California had insurance against being kicked by a horse or gored by a bull. But he was injured fatally a few days ago when kicked by a cow.

# WIBW Artists Are Eager to Please

## There Always Is Something of Interest on the Most Distinctly Rural Service Wave on the Radio Dial

**C**URIOSITY is a wonderful institution, and incidentally a rather fine human trait. But sometimes when we satisfy that particular desire we are disappointed and disillusioned. That makes us wish we had "let well enough alone." Take for example the hero of our more youthful days. We build up a fine picture of that individual only to learn later in life that he doesn't fit in the frame we have set aside for him. Well, life holds some of those clouds for us. However, you will be safe in building up your mental pictures of the artists who entertain you

mer. The point might be brought up that the ranch work shouldn't be allowed to suffer, and it likely doesn't. But after all, these men are filling a real mission in life if they are bringing pleasure and happiness to their many audiences. There always is something doing that will please you on the most distinctly rural wave on the dial, occupied by WIBW. For your information the complete program for next week is given herewith. Right here we invite you to ask us to print the photographs of any of the artists you like best. If their pictures are obtainable they will reach you thru Kansas Farmer.

### The Program for Next Week

SUNDAY, JANUARY 12

- 8:00 a. m.—Morning Musicals (CBS)
- 9:00 a. m.—Land of Make Believe (CBS)
- 12:30 p. m.—Vierra's Royal Hawaiians from Pennant Cafeteria
- 1:00 p. m.—The Artzecs (CBS)
- 1:30 p. m.—Watchtower Program IBSA
- 2:00 p. m.—The Ballad Hour (CBS)
- 2:30 p. m.—Symphonic Hour (CBS)
- 3:00 p. m.—Cathedral Hour (CBS)
- 4:00 p. m.—McKesson News Reel of the Air (CBS)
- 4:30 p. m.—The Melody Master
- 5:00 p. m.—Rabi Levy's Question Box
- 5:15 p. m.—WIBW—Harmony Twins
- 5:45 p. m.—Recording Program
- 6:00 p. m.—Our Romantic Ancestors (CBS)
- 6:30 p. m.—French Trio (CBS)
- 6:45 p. m.—The World's Business—Dr. Julius Klein (CBS)
- 7:00 p. m.—Vierra's Royal Hawaiians from Pennant Cafeteria
- 7:30 p. m.—Pipe Dreams of the Kansas Poet
- 8:00 p. m.—Theatrical Theater of the Air (CBS)
- 9:00 p. m.—Robert Service Violin Ensemble

- 7:00 a. m.—Morning Organ Revellie (CBS)
- 7:30 a. m.—Time, news, weather
- 8:00 a. m.—Housewives' Musicals KSAC
- 8:40 a. m.—Health Period KSAC
- 9:00 a. m.—Early Markets
- 9:05 a. m.—Request Musical Program
- 10:00 a. m.—Housewives' Half Hour KSAC
- 10:30 a. m.—Senator Capper's Political Talk (CBS)
- 10:45 a. m.—WIBW—Harmony Twins
- 11:00 a. m.—Women's Forum
- 11:15 a. m.—The Polynesians
- 11:45 a. m.—Complete Market Reports
- 12:00 p. m.—Columbia Farm Program (CBS)
- 12:25 p. m.—State Board of Agriculture
- 12:30 p. m.—Noonday Program KSAC
- 1:30 p. m.—Patterns in Prints (CBS)
- 2:00 p. m.—H. T. Burlingh Girls' Quartet
- 2:30 p. m.—For Your Information (CBS)
- 3:00 p. m.—The Letter Box
- 3:10 p. m.—Leo and Bill, the Harmony Twins
- 3:30 p. m.—U. S. Navy Band (CBS)
- 4:00 p. m.—The Melody Master
- 4:30 p. m.—Matinee KSAC
- 5:00 p. m.—Markets KSAC
- 5:30 p. m.—Uncle Dave's Children's Club
- 6:00 p. m.—Daily Capital Radio Extra
- 6:10 p. m.—Leslie Edmonds' Sport Review
- 6:30 p. m.—Vierra's Royal Hawaiians from Pennant Cafeteria
- 7:00 p. m.—Blue Lantern Night Club
- 7:30 p. m.—The Sod Busters
- 8:00 p. m.—Old Gold Paul Whiteman Hour (CBS)
- 9:00 p. m.—Graybar's Mr. and Mrs. (CBS)
- 9:30 p. m.—In a Russian Village (CBS)
- 10:00 p. m.—Tomorrow's News
- 10:05 p. m.—Will Osborne (CBS)
- 10:30 p. m.—Hotel Paramount Orchestra (CBS)

WEDNESDAY, JANUARY 15

- 6:00 a. m.—Alarm Clock Club
- 6:45 a. m.—USDA Farm Notes, news, time, weather
- 7:00 a. m.—Morning Organ Revellie (CBS)
- 7:30 a. m.—Morning Devotionals
- 7:55 a. m.—Time, news, weather
- 8:00 a. m.—Housewives' Musicals KSAC
- 8:40 a. m.—Health Period KSAC
- 9:00 a. m.—Early Markets
- 9:05 a. m.—Request Musical Program
- 10:00 a. m.—Housewives' Half Hour
- 10:30 a. m.—Scales and Measures (CBS)
- 10:45 a. m.—WIBW—Harmony Twins
- 11:00 a. m.—Women's Forum
- 11:15 a. m.—The Polynesians
- 11:45 a. m.—Complete Market Reports
- 12:00 p. m.—Columbia Farm Program (CBS)
- 12:25 p. m.—State Board of Agriculture
- 12:30 p. m.—Noonday Program KSAC
- 1:30 p. m.—Program KSAC
- 2:30 p. m.—For Your Information (CBS)
- 3:00 p. m.—The Letter Box
- 3:10 p. m.—WIBW—Harmony Twins
- 3:30 p. m.—Club Plaza Orchestra (CBS)
- 4:00 p. m.—The Melody Master
- 4:30 p. m.—Matinee KSAC
- 5:00 p. m.—Markets KSAC
- 5:30 p. m.—Uncle Dave's Children's Club
- 6:00 p. m.—Daily Capital Radio Extra
- 6:10 p. m.—Vierra's Royal Hawaiians from Pennant Cafeteria
- 6:30 p. m.—Commodore Ensemble (CBS)
- 7:00 p. m.—General Mills Program (CBS)
- 7:30 p. m.—The Sod Busters
- 8:00 p. m.—Grand Opera Concert (CBS)
- 9:00 p. m.—The Moods
- 9:30 p. m.—In a Russian Village (CBS)
- 10:00 p. m.—Tomorrow's News
- 10:05 p. m.—Hank Simmon's Show Boat (CBS)

THURSDAY, JANUARY 16

- 6:00 a. m.—Alarm Clock Club
- 6:45 a. m.—USDA Farm Notes, news, weather, time
- 7:00 a. m.—Morning Organ Revellie (CBS)
- 7:30 a. m.—Morning Devotionals
- 7:55 a. m.—Time, news, weather
- 8:00 a. m.—Housewives' Musical KSAC
- 8:40 a. m.—Health Period KSAC
- 9:00 a. m.—Early Markets
- 9:05 a. m.—Request Musical Program



over the broadcasting station of the Capper Publications, WIBW. And to prove our point we are introducing these folks to you each week thru Kansas Farmer. They are just as fine as their programs. Big Nick, up at WIBW, and the Columbia Chain folks all are working diligently to bring you the best that radio has to offer. And all of these entertainers are eager to please you and are happy when they receive expressions of your approval thru your letters.

This week we want you to know a little better, another group of folks with whom you have come in contact thru the broadcasts from WIBW. Let's start with Ann Leaf. She is a charming young lady, as you would judge from her smile in the photo on this page. You hear from her first thing every morning at 7 o'clock, Central Standard time, in the "Organ Revellie," a program of light and cheery musical numbers, which has earned a place as one of the most popular programs on the air. She also frequently is heard in the afternoon matinee of WIBW. "Organ Revellie" comes to folks who tune in on the broadcasting station of the Capper Publications each morning just preceding the Devotional Service. Her diminutive size and ability as an organist have combined to give Ann Leaf the nick-name of "Mitey."

### Tells of "The World's Business"

Something of a more serious vein is brought to you each Sunday evening from 6:45 to 7 o'clock, by Dr. Julius Klein, assistant secretary of commerce. He speaks over WIBW and the Columbia Broadcasting System on topics of general interest to every citizen of the United States. His program is called "The World's Business." Certainly all of us are vitally interested in world affairs, and Dr. Klein is outstanding in his ability to bring us these important messages.

We feel sure you have been interested in Otto Gray and his Oklahoma Cowboys, famous purveyors of the tunes and melodies of the West of days gone by, so a little sketch about them is quite in order. Gray and his cowboys left their Oklahoma ranch several years ago, "just to see how the city folks would like the tunes our neighbors seemed to hanker for." The "city folks" gave the act their approval. Between the variety stage, the recording studios and the radio broadcasting stations, Mr. Gray and his ex-cowpunchers have been so busy that the ranch now sees them for only a few weeks each sum-



Ann Leaf, Who Greets You From the Upper Photo, Is the Charming Young Lady Responsible for the Morning "Organ Revellie" Over WIBW. At Center, We Introduce Otto Gray and His Oklahoma Cowboys. They Started Giving Programs as an Experiment. Now They See Very Little of the Ranch. Dr. Julius Klein, Lower Right, Assistant Secretary of Commerce, Is Outstanding for His Ability to Bring Us the Important Messages of "The World's Business," Each Sunday Evening

- 9:30 p. m.—Arabesque (CBS) Courtesy Kansas Power and Light Co. (CBS)
- 10:00 p. m.—Tomorrow's News

MONDAY, JANUARY 13

- 6:00 a. m.—Alarm Clock Club
- 6:45 a. m.—USDA Farm Notes, news, weather
- 7:00 a. m.—Morning Organ Revellie (CBS)
- 7:30 a. m.—Morning Devotionals
- 7:55 a. m.—Time, news, weather
- 8:00 a. m.—Housewives' Musicals KSAC
- 8:40 a. m.—Health Period KSAC
- 9:00 a. m.—Early Markets
- 9:05 a. m.—Request Musical Program
- 10:00 a. m.—Housewives' Half Hour KSAC
- 10:30 a. m.—The Children's Corner (CBS)
- 10:45 a. m.—Leo and Bill, the Harmony Twins
- 11:00 a. m.—Women's Radio Forum
- 11:15 a. m.—The Polynesians
- 11:45 a. m.—Complete Market Reports
- 12:00 p. m.—Columbia Farm Program (CBS)
- 12:25 p. m.—State Board of Agriculture
- 12:30 p. m.—Noonday Program KSAC
- 1:30 p. m.—Ann Leaf at the Organ (CBS)
- 2:00 p. m.—Ceora B. Lanham's Dramatic Period
- 2:30 p. m.—For Your Information (CBS)
- 3:00 p. m.—The Letter Box
- 3:10 p. m.—WIBW—Harmony Boys
- 3:30 p. m.—U. S. Navy Band (CBS)
- 4:00 p. m.—The Melody Master
- 4:30 p. m.—Matinee KSAC
- 5:00 p. m.—Markets KSAC
- 5:30 p. m.—Uncle Dave's Children's Club
- 6:00 p. m.—Daily Capital Radio Extra
- 6:10 p. m.—Vierra's Royal Hawaiians from Pennant Cafeteria
- 6:30 p. m.—Commodore Ensemble (CBS)
- 7:00 p. m.—WIBW—Harmony Twins
- 7:30 p. m.—The Sod Busters
- 8:00 p. m.—Capper Club Skit
- 8:30 p. m.—The Cotton Pickers
- 9:00 p. m.—Washburn College School of Music
- 9:30 p. m.—Voice of Columbia (CBS)
- 10:00 p. m.—Tomorrow's News
- 10:05 p. m.—Voice of Columbia (CBS)
- 10:30 p. m.—Paul Specht's Orchestra (CBS)

TUESDAY, JANUARY 14

- 6:00 a. m.—Alarm Clock Club
- 6:45 a. m.—USDA Farm Notes, news, weather



- 10:00 a. m.—Housewives' Half Hour KSAC
- 10:30 a. m.—WIBW—Harmony Twins
- 11:00 a. m.—Women's Forum
- 11:15 a. m.—The Polynesians
- 11:45 a. m.—Complete Market Reports
- 12:00 p. m.—Columbia Farm Program (CBS)
- 12:25 p. m.—State Board of Agriculture
- 12:30 p. m.—Noonday Program KSAC
- 1:30 p. m.—Program KSAC
- 2:30 p. m.—For Your Information (CBS)
- 3:00 p. m.—The Letter Box
- 3:10 p. m.—WIBW—Harmony Twins
- 3:30 p. m.—U. S. Marine Band (CBS)
- 4:00 p. m.—The Melody Master
- 4:30 p. m.—Matinee KSAC
- 5:00 p. m.—Markets KSAC
- 5:30 p. m.—Uncle Dave's Children's Club
- 6:00 p. m.—Daily Capital Radio Extra
- 6:10 p. m.—Vierra's Royal Hawaiians from Pennant Cafeteria
- 6:45 p. m.—Commodore Ensemble (CBS)
- 7:00 p. m.—WIBW—Harmony Twins
- 7:15 p. m.—The Political Situation in Washington (CBS)
- 7:30 p. m.—The Sod Busters
- 8:00 p. m.—Songs at Twilight, Courtesy Capper's Farmer
- 8:30 p. m.—Dixie Echoes (CBS)
- 9:00 p. m.—The Polynesians

(Continued on Page 27)



# MINNEAPOLIS-MOLINE POWER IMPLEMENTS

Now Made by One World Wide Company  
Sold by One Dealer Near You

A new furrow has been turned. A broad and fertile field has been opened up from which to choose power farming implements. Now for the first time you can obtain the world-famous Moline, Minneapolis and Twin City tractors, threshers, combines, and implements from one dealer in your locality.

To make possible this unified line of power implements designed to work together, the Minneapolis Steel and Machinery Company, Minneapolis Threshing Machine Company and Moline Implement Company have now joined hands as one organization.

No longer do you need to go to three dealers in three places to get these three excellent lines of farm machinery. The Minneapolis-Moline Power Implement Company brings you the complete line.

## Generations of Experience

The co-ordinated implements in the Minneapolis-Moline line are the result of generations of experience.

Since the Civil War "Moline" and the Flying Dutchman trade-mark **MOLINE** have been famous on improved tillage, seeding and haying machines.



For forty-two years the Minneapolis Threshing Machine Company has built superior threshers and tractors and for several years practical combines.



For three decades the Minneapolis Steel and Machinery Company has manufactured Twin City Tractors and Threshers.

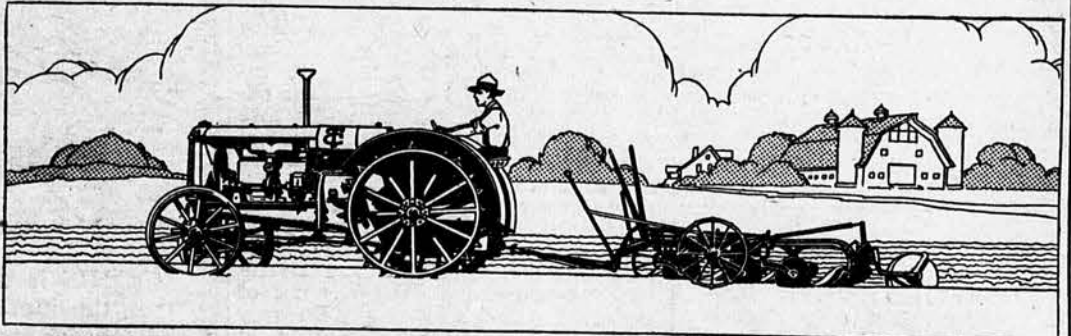
## Prompt Service

The Minneapolis-Moline Power Implement Company is a \$25,000,000 organization with a complete system of branches and distributed stocks. When you choose a Minneapolis-Moline machine you can be sure your every need will be promptly supplied.

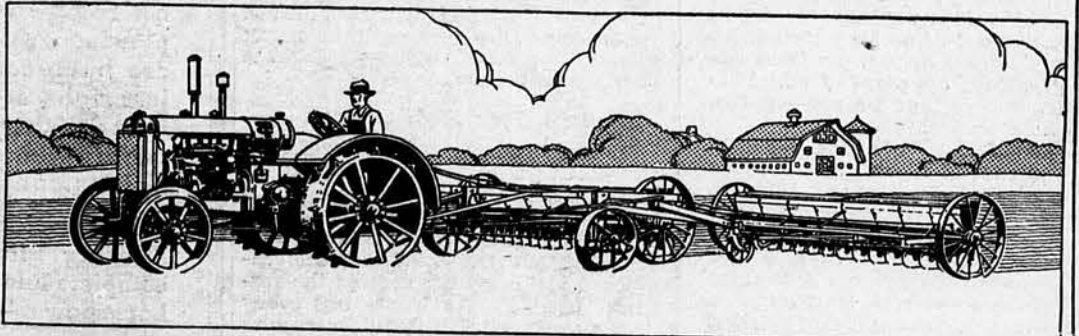
Now while you are making your plans for next season look over the Minneapolis-Moline machines shown here. These are only a small part of the complete line of quality implements made by this company.

**Minneapolis-Moline Power Implement Company**  
Minneapolis, Minnesota

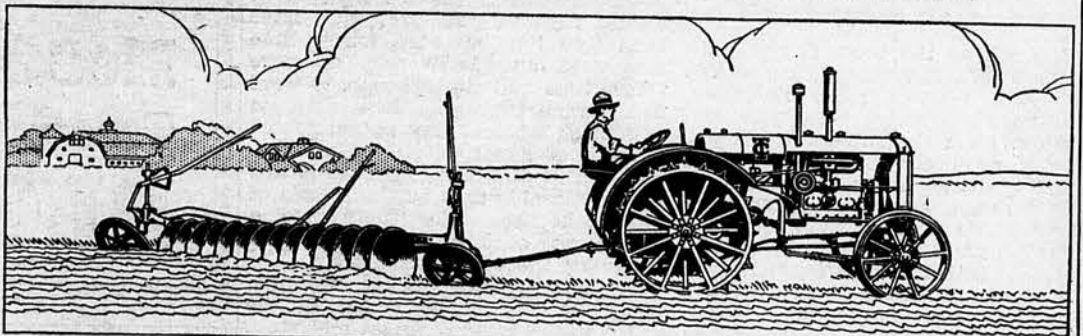
Successors to: Minneapolis Steel and Machinery Company, Minneapolis Threshing Machine Company, Moline Implement Company.



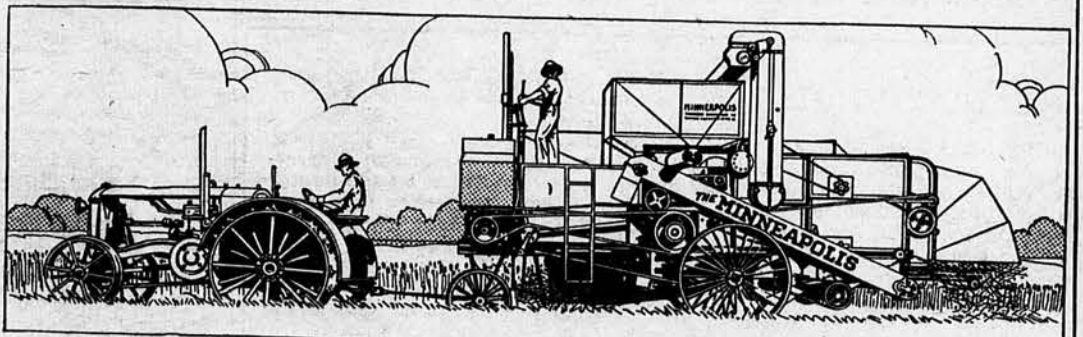
**FAMOUS FOR THEIR DURABILITY** —Twin City Tractors and Moline Plows. Many Twin City Tractors sold ten years ago are still working and in good condition. The tractor shown here is one of several models in the Minneapolis-Moline line. Moline Acme one ply soft center hardened steel tractor plow bottoms scour better and are guaranteed not to break.



**IMPROVED TRACTORS AND IMPLEMENTS** —The Twin City Tractor and Moline Drills shown here are typical of the improved machines made by Minneapolis-Moline. This tractor has pressure lubrication, three bearing crankshaft, oil filter, muffler, two air cleaners and three forward speeds. The Moline Monitor Fluted Feed Drill has fluted feed with 225 changes for accurate seeding.



**ONCE OVER AND READY FOR SEEDING** —A Moline Wheatland Disc Plow used immediately behind the harvester conserves moisture, mixes stubble thoroughly with soil and leaves a seed bed ready for the drill. The Twin City Tractor and Wheatland Disc Plow prepare the field machines the Wheatland Disc Plow is exceptionally durable. This plow is the last word in tillage for grain territories.



**HARVEST WITH A CREW OF FOUR MEN** —This Minneapolis Combine and Minneapolis Tractor with a crew of only four men can harvest your crop—one man on the tractor, one on the combine, and two hauling threshed grain. This is the practical combine built to save and clean the grain under the toughest conditions. Windrower and pick-up attachments are also available.

Fill in this coupon completely and a full description of the machines you are thinking of getting this year will be sent you.

Minneapolis-Moline Power Implement Company.  
Dept. 10, Minneapolis, Minnesota.

Please send information about:

Tractors: \_\_\_\_\_ Threshers: \_\_\_\_\_

Combines: \_\_\_\_\_ (State size in which you are interested.)

Tillage Implements: \_\_\_\_\_ Seeding Implements: \_\_\_\_\_

Haying Machinery: \_\_\_\_\_ (Give name of implement or machine you need.)

Spreaders: \_\_\_\_\_ I own (rent) \_\_\_\_\_ acres. I now own a \_\_\_\_\_ tractor.

Name \_\_\_\_\_

Address \_\_\_\_\_

# Alfalfa Must Be Fed, Too

Every Dollar Expended for Fertilizer Results in an Increased Return of From \$2 to \$7 an Acre

BY R. I. THROCKMORTON

FOR many years we have been accustomed to thinking of alfalfa as a crop that increases the fertility of the soil, and we have given very little or no thought to the fact that this crop, like all others, will remove large quantities of certain ingredients from the soil. It is true that if alfalfa is grown on land that contains plenty of lime, and if the seed is inoculated, it will add nitrogen to the soil, and since it has a heavy root system, it will add considerable organic matter

that alfalfa makes a poor, sickly growth, and is unable to compete with weeds and grass. This condition exists very commonly thruout the eastern part of the state.

During the last 18 years, a large number of experiments have been conducted in the eastern part of Kansas to determine the fertilizer requirements of alfalfa. The results obtained by these experiments indicate that it is not profitable to use potassium in the production of alfalfa in any section of Kansas, but that phosphorus may be used successfully on practically all soils in the eastern two-fifths of the state. Many of the soils in this section will grow alfalfa without phosphorus, but the use of phosphorus increases the yield very profitably and helps materially in maintaining the stand. On the poorer upland soils, and on many of the bottom land soils that previously have grown alfalfa for many years, alfalfa yields are quite low, and in many cases not profitable unless phosphorus is added to the soil.

### Pays Very High Returns

In the experimental tests referred to, the average increases in yield of alfalfa from the use of phosphorus have varied from 658 to 2,101 pounds an acre annually. When we take into consideration the value of this increased yield and the cost of the fertilizer used, it is evident that every dollar expended for fertilizer results in an increased return varying from \$2 to \$7 an acre.

On the Moran experimental field in Allen county, the total yields of alfalfa for the last five years have been 8.88 tons an acre where lime was used and 13.77 tons an acre where lime and superphosphate were used, or an average annual increase of almost 1 ton of hay an acre from the use of superphosphate. In addition to this difference in yield, it was very noticeable that as the stands of alfalfa became older there was a smaller per cent of grass on the plot receiving the superphosphate.

There are many forms in which phosphorus may be added to the soil, but the most common and most practical one for most conditions in this state is in the form of superphosphate, which is commonly called acid phosphate. For a new stand of alfalfa

(Continued on Page 23)

*ALFALFA is a wonderful crop—more promising than any other in the state, so authorities agree. Not only does it produce good net cash returns itself, but in addition passes on profit-making proclivities to succeeding crops. But mark you, alfalfa is no plant magician, which out of nothing thru some mysterious action, produces everything of plant food. This legume collects its toll—it, too, must be fed.*

*In this article, the sixth in the special alfalfa series being published by Kansas Farmer, R. I. Throckmorton, agronomist in charge at Kansas State Agricultural College, explains the important part phosphorus plays in the successful production of alfalfa. We suggest that you add this issue to your file of Kansas Farmers containing the alfalfa articles, for future reference.*

to the soil as the roots decay. With the exception of nitrogen, the alfalfa crop will remove more nutrients, such as phosphorus, potassium and calcium, from the soil than will our common grain crops which are grown in the state. In other words, the alfalfa, like every other crop, must obtain a large part of its plant food materials from the soil.

Kansas soils are well supplied with potassium but nearly all of them are quite low in phosphorus, and since alfalfa requires this element in fairly large quantities, it is not surprising that the yields of alfalfa in some localities are limited by a lack of phosphorus in the soil. Some of the soils of the state are so low in phosphorus

## To Honor New Master Farmers

ON THE evening of January 17, Kansas Farmer will give the third annual presentation banquet in honor of the Kansas Master Farmers. At that time the 10 men who were selected by the board of judges as the class of 1929 will be announced, and they then will receive their Master Farmer gold medallions and honor certificates. These are awarded by Senator Arthur Capper "in recognition of intelligence, skill and sincerity of purpose exhibited in the operation of the farm, business methods, home life and public spiritedness; and in recognition of the contribution which each Master Farmer's individual efforts have made to the agricultural progress of the state."

At this banquet next week, leaders in every line of business will gather in Topeka, to honor these expert farmers, and well they should because agriculture is the foundation of all business; and the masters of this most-important-of-all business deserve this recognition.

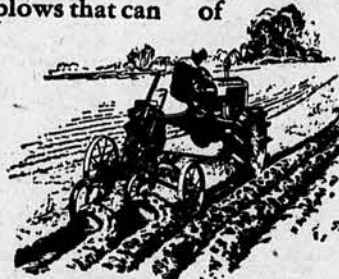
Let us sketch briefly some facts of the Master Farmer project. It now is almost nation-wide, and the Kansas Farmer is responsible for the work in this state. So far Kansas Farmer has selected 35 Master Farmers, and others will be selected and honored each year. The 10 members of the class of 1929, who are the special honor guests at the banquet next week, were selected by the judges from a field of 311 candidates in 81 counties. All of these men were nominated by friends, neighbors or relatives, because no farmer could nominate himself as a candidate. After being nominated, each farmer received a questionnaire to fill out and return to Kansas Farmer. After that a member of the editorial staff called on all of the candidates who seemed to be of Master Farmer caliber, traveling more than 14,000 miles to interview them personally and to check up on their buildings and farms. All information obtained was turned over to F. D. Farrell, president of the Kansas State Agricultural College; J. C. Mohler, secretary of the Kansas State Board of Agriculture, and Will J. Miller, president of the Kansas Live Stock Association, who acted as the board of judges and made the final selections. This was a difficult job because all of the candidates were of such fine quality. The standard for Master Farmers is set very high, and again for 1929, as in the past, the successful candidates well deserve the honor.



## McCormick-Deering Plows Start Your Crops Off to Good Yields

THIS is the time to see the McCormick-Deering dealer for new plows needed for the Spring—plows that can be depended on for good plowing—that are balanced just right, are light draft, easy running, and built strong.

disk types—from one bottom up to four (disk plows up to six). There is a wide variety of bottoms to meet all soil conditions—equipment to meet any special requirement.



McCormick-Deering plows embrace a complete line for tractor and horse power—moldboard and

Now, while you have time, it will pay to look at these plows in the McCormick-Deering dealer's store. Write for information on good plowing.

INTERNATIONAL HARVESTER COMPANY  
606 So. Michigan Ave. of America Chicago, Illinois  
(Incorporated)

## McCORMICK-DEERING Tractor and Horse PLOWS



another

## NEW LAYING RECORD

with Reef Brand Oyster Shell

153 Eggs in 31 days

Prof. Rucker's 5-Hen Pen



Points to Profits For You

Every year Reef Brand has helped set laying records and proved that this young tender shell gives maximum egg-yield. Test Reef Brand with your flock and get the EXTRA eggs that mean real profit. Over 99% calcium carbonate (egg-shell material). Pure, clean, odorless, dustless. At your dealer's.

Gulf Crushing Co. New Orleans U. S. A.

**Reef Brand**  
REGISTERED IN U.S. PATENT OFFICE  
PURE CRUSHED OYSTER SHELL FOR POULTRY

# What the Folks Are Saying

ONE way to increase the annual net income of any business is to enlarge its size—to add volume. Greater volume, provided it is turned at a profit, adds to net income in two ways. If the margin of profit is the same on a business of \$10,000 per annum as on one of \$20,000, the total profit on the larger business is twice as great. But volume has still another purpose; it cuts down overhead. The fixed charges of operating a business amount to less a unit of turnover if spread over a greater number of units.

In many business enterprises, volume is considered of prime importance. Meat packers depend on beef and other so-called rail stock to give them volume. It is generally understood in the packing industry that beef is not expected to make money, except that its volume absorbs a huge amount of overhead. If it were not for the tonnage supplied by beef, lambs and calves, the operating expenses of a packer's branch house would cut in heavily on the profits of some of the smaller items which are expected to make money.

There are several ways of increasing the volume of business on a farm. One is to grow or feed livestock. It is no trick for the livestock or dairy farmer to do twice the volume of business of a strictly grain farmer on the same number of acres. College and business surveys show that the livestock man's net income, as well as his gross income, is larger.

Larger acreages offer another possibility of increased volume. The greater total production which results can often be made to absorb overhead charges to better advantage, such as those on buildings and equipment.

A third important method of building volume is that of raising unit production. More bushels an acre, more pigs a litter, more pounds of milk or butterfat a month, more pounds of beef a bushel of feed—all add to the income with a comparatively small additional cost.

Volume acquired at a loss, of course, is not good business. Acquired sensibly, it can do much to lower costs and increase returns.

Chicago, Ill. Bert S. Gittins.

## A Chance for the Sons

A number of Kansas farmers are modifying the stock share lease so that they can take their sons into the farm business. Contract forms for this purpose may be secured from the Kansas State Agricultural College, Manhattan.

Manhattan, Kan. W. E. Grimes.

## 'Tis a Machine Age

Man has long been accustomed to look upon the faithful horse as one of his greatest friends, and justly so. But it is the friendly machine that enables the American farmer, as Secretary of Agriculture Arthur M. Hyde points out in his recent report, "to produce from two to five times as much as similar workers in older countries of Europe."

Pursuing this trend of thought, the Secretary of Agriculture calls attention to the fact that there are now 853,000 tractors on our farms, and that the modern tractor is greatly improved in design and construction; the equipment going with them more strongly built. He might have asserted, with truth, that a thousand dollars buys more value today in a tractor than twice that amount did before the war.

As an example of the saving of labor effected by the use of the tractor, he refers to a study made by the University of Arkansas which showed that "a rice farmer in that state using tractor equipment could accomplish three, four and even five times as much as he could with earlier implements." In Montana, he states, 14,000 farmers "are handling more acres and doing the work better than it was formerly done by 35,000."

Turning to corn production, he compares present methods of cultivation with former practices, when one man with a two-horse, one-row cultivator could cultivate from 30 to 50 acres, according to the topography and nature of the soil, whereas today, "with one of the new power cul-

tivators one man can cultivate from 160 to 200 acres of corn." The same thing holds true with cotton; and in both instances, the increased acreage that one man can tend results in "materially reduced unit costs of production."

What the Secretary of Agriculture reports officially, thousands of farmers can corroborate from their own experience and can carry the examples much further.

Chicago, Ill. Robert A. Jones.

## A Real Farm Tour

J. C. Nesbit and E. B. Wells of the agricultural college were in Miami county recently on a farm tour. In the afternoon a meeting was called at the farm of William Coughenour, north of Pressonville. Altho the weather turned cold and the roads were a little muddy there was a fair attendance.

One class of four Jersey cows was placed by those in attendance, and then Mr. Nesbit discussed the placing. Mr. Nesbit showed that a good dairy cow is built according to certain measures; for example, the length of the head is equivalent to the length of the rump.

Mr. Coughenour is a member of a dairy herd improvement association,

and he has a splendid herd of Jerseys. The dam of the bull in this herd has record of 470 pounds of butterfat in one year.

The next farm visited was A. D. Hostetter's. Mr. Hostetter has a Jersey cow that was the second highest one in the association last year. The dam of the Guernsey bull, bought of Homewood farms, has a record of over 500 pounds of butterfat. This splendid bull shows a great deal of quality with straight top and bottom lines. While at Mr. Hostetter's farm Mr. Wells discussed the legume situation in Kansas. "Altho considerable effort has been used to promote growing more legumes, there has been a steady decline in the acreage," believes Mr. Wells. "This decline has been due to a number of unfavorable alfalfa years. Lime and phosphate has increased the acreage on the upland farms, but most of our alfalfa was produced on bottom land, and here is where the decline in acreage has been greatest. Fifteen years ago we raised large amounts of alfalfa, but now conditions have changed, and we must change with them if we are to be successful. Many good livestock men feel that if a field of alfalfa does well for two or three years they can rotate and take advantage of this increased fertility."

"Good seed is of special importance," said Mr. Wells, "and this year Kansas produced a large seed crop.

In addition to alfalfa, we can rely upon other good legumes, such as Sweet clover, Red clover and soybeans."

"In the dairy work in Kansas there is one important thing to keep in mind," believes Mr. Nesbit, "and that is if we are to milk cows and make money doing it, we must have a good legume roughage to feed. We must be able to raise this legume feed or be able to buy it at a fair price. This one factor probably will determine the success of dairying in Kansas. This means for most of us that our farms will have to be so arranged that a good supply of legume feed will be produced each year.

"Silage is a valuable feed, as it gives succulence and bulk," continued Mr. Nesbit, "and it will utilize a corn crop with the least amount of waste. Ten pounds of legume hay should be fed with 30 pounds of roughage."

In continuing his talk on a balanced ration, Mr. Nesbit pointed out the amount of protein and carbohydrates that are necessary for maintenance and milk production. The only feed that is necessary for a dairyman to buy is a protein concentrate. When this is done Mr. Nesbit suggested that the grain ration may consist of 400 pounds of corn, 200 pounds of oats or bran and 100 pounds of linseed or cottonseed meal.

Paola, Kan. J. T. Whetzel.

# Scattered Efforts

## never won a blue ribbon

With stock . . . produce . . . or tractors . . . those extra points that make a prize winner better than the "also rans" are the result of someone's singleness of purpose. *A specialist does one thing . . . and does it better than anyone else.*

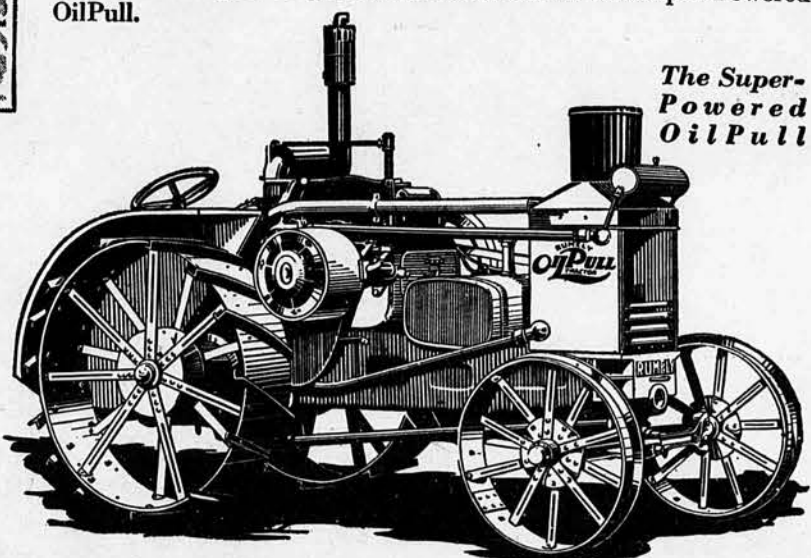
For over three-quarters of a century, Advance-Rumely has concentrated on the design and manufacture of *power farming machinery, exclusively.*

## Super-Powered OilPull Tractors

OilPull dependability is one example of the benefits obtained from Advance-Rumely's specialization. It's the sort of dependability that *means something* to the farmer when work is a race against time. OilPulls often give four or five years of hard service without an overhauling.

Super-Powered OilPull Tractors are built by specialists who know the need of tractor dependability. They have 30 per cent more power—20 per cent more speed—are lighter in weight and have greater handling ease. All the time-proved OilPull qualities are now available at lower prices—made possible by increased volume and improved manufacturing methods.

Use the coupon to get full information on the Super-Powered OilPull.



**Don't hesitate.  
Use the coupon!**

If you are interested in tractors or thinking about one for your farm, don't hesitate. Send in this coupon for full information . . . today.

ADVANCE-RUMELY  
Thresher Co., Inc.,  
La Porte, Indiana

Kansas City, Mo.  
Wichita, Kansas

# ADVANCE-RUMELY Power Farming Machinery

The Rumely Line includes OilPull Tractors, DoAll Convertible Tractors, DoAll 46-inch Tread 4-Wheel Tractors, Grain and Rice Threshers, Combine-Harvesters, Husker-Shredders, Alfalfa and Clover Hullers, Bean and Pea Hullers, Silo Fillers, Corn Shellers and Winch Tractors.

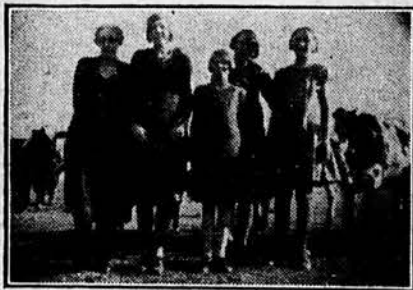
ADVANCE-RUMELY THRESHER CO., INC.  
Dept. F, La Porte, Ind.  
Served through 30 Branches and  
Warehouses.  
Gentlemen: Please send literature describing the Super-Powered OilPull Tractors.  
Name . . . . .  
Address . . . . .  
City . . . . . State . . . . .

# Club Folks Make 1930 Plans

## Come Along With This Ambitious Group and March to the Tune of Pep and Profit

BY J. M. PARKS  
Manager, The Capper Clubs

EVERY day we receive letters from boys and girls over Kansas inquiring for more information about the Capper Clubs. They want to know just what is required of members and what they may expect from club activities. We have prepared a new club booklet giving rules for the different contests and other particulars which one interested in club work would be likely to require. Write to the club manager for a free copy of this booklet. Or, if you are quite sure you wish to become a member, just fill out and send in the application



The Goulds of Norton County, Who Helped to Win the Pep Cup in 1928, Expect to Add Dairy Calves (Holsteins Is Our Guess) to Their Capper Clubs Projects for Next Year

blank on this page, and you will receive a copy of the booklet along with other club literature.

Right now at the beginning of 1930, we hear much of New Year's resolutions. Persons who set high goals and do their best to attain them are sure of a reasonable degree of success. Expect big things from your efforts in the Capper Clubs.

To give you some idea of what those who have taken care of one or more projects are hoping for this year, we're going to give you in this article statements from several typical club letters. You will notice that every one of these members is facing the New Year with courage and with faith that it's going to be even better than the past. That's the spirit we like to see manifested. You'll soon catch that spirit, too, when you associate with these wide-awake folks.

We don't believe you can read these paragraphs without experiencing a desire to fall in line and march along to the good times that are waiting just ahead. It will take too much space to publish all of the club plans, but we'll quote from several different persons in order to give you more than one viewpoint.

"I think that all of us who work diligently and study our bulletins and farm journals are winners, tho of course we can't all be winners of the first prize. We gain knowledge of our projects, how to care for them to the

best advantage, and for the biggest profits. We also learn by seeing the way other members do.

"Then there is the social side of the club, which provides everybody with a good time. All of us enjoy the tours, parties, picnics, and the big rally in Topeka in the fall.

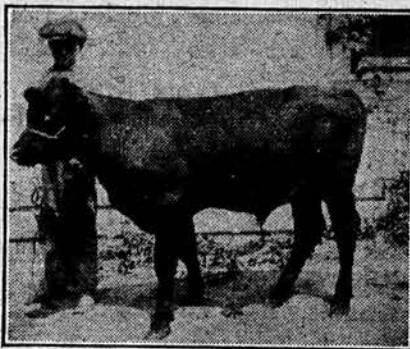
"I shall have a beef calf for a project, and if bees are added, I shall enter that department also. I think all Capper Club workers are winners, and I intend to do my best."—Francis Hammett, Marshall county.

"I am expecting to use our county agent to advantage. I am going to teach our youngsters the value of a county agent by bringing them in closer contact with him and his work.

"I am not expecting my fellow members to tear up Reno county and put it together again, but I am going to expect them to let Reno county know we have a Reno Capper Club. I expect all old members to profit by their experiences, and to help new members to avoid making some of the mistakes they made. I expect to see them all have better finished projects and records at the end of the club year. They know what they are up against, and I expect them to push with an eye for business as well as pleasure.

"I am expecting a great expansion of the Capper Clubs, and with the push we have, I expect to see it this year."—Mrs. Ben Briley, Reno county.

"I will help my club in every way I can. I will try to get more new mem-



Last Year Ben Briley of Reno County Made a Good Profit on His Capper Clubs Calf, "Lindy," Shown Here. His 1930 Project Will Be Lindy's "Buddy"

bers. I will attend every club meeting I can. I will take part in every program when called upon. I will do everything I can to win the pep trophy.

"I expect to show at some local fairs. I hope that a member of our team wins the trip to the Royal. I hope I may be at the Topeka fair and attend the Capper Clubs banquet. I hope to get acquainted with all the club members at the fairs.

### The Capper Clubs

Capper Building, Topeka, Kansas

J. M. Parks, Club Manager

I hereby make application for selection as one of the representatives of \_\_\_\_\_ county in the Capper Clubs.

I am interested in department checked:

Baby Chicks  Gilt  Small Pen  Sow and Litter  Farm Flock   
Dairy Calf (?)  Turkey (?)  Sheep (?)  Bee (?)  Beef Calf

If chosen as a representative of my county I will carefully follow all instructions concerning the club work and will comply with the contest rules. I promise to read articles concerning club work in the Kansas Farmer and Mail and Breeze, and will make every effort to acquire information about care and feeding of my contest entry.

Signed..... Age.....

Approved..... Parent or Guardian

Postoffice..... R.F.D..... Date.....

Age Limit, Boys and Girls 10 to 21. (Mothers also may use this blank)

Fill Out This Coupon and Send It to J. M. Parks in the Capper Building, Topeka, and Get a Start for Profits in 1930



After using his Rock Island Spreader for 20 years, H. R. Day of Canandaigua, N. Y., wrote—"I guess it will never wear out."



## 200,000 farmers will back your judgment

Buy a Rock Island Spreader as over 200,000 farmers have done. You will have to wait possibly thirty years to find out how long it will last, but you'll find out, with the first load, how good a job it will do. Users report Rock Island Spreaders out-wearing two or three other spreaders.

Your Rock Island Dealer can show you the mechanical features of this spreader that have given the Rock Island No. 1 its par excellent reputation. He can give you the names of farmers who will back your judgment in buying one. Upon request, we will gladly send you free Booklet M-63.

ROCK ISLAND PLOW COMPANY, Rock Island, Illinois

# ROCK ISLAND

## Tight Bottom Spreader

### The CAPACITY COMBINE

You've asked for

**12-Bar, Big Tooth, Thresher Cylinder**  
—an AVERY COMBINE Feature

One of many reasons for the New Avery's Greater Capacity and Better Work. It handles straw faster, shells better with fewer concave teeth and pulls lighter. Also learn about the Spreading Comb Beater, Single Unit Vibrating Rack, Locomotive Drive, Two-Way Tailings Valve and other Outstanding Avery Features.

The New Avery answers Combine Problems never before solved. It has Original and Exclusive Features that Increase Capacity—Improve Saving and Cleaning—Make it Simpler, Easier to Handle and Lighter to Pull. It's the Combine you've asked for, built the way you want it.

**TWO SIZES—Model B with 28 in. Cylinder, 46 in. Rear and 16-ft. One-Piece or 20-ft. Two-Piece Cutter Bar—Model E with 22 in. Cylinder, 36 in. Rear and 12-ft. One-Piece or 16-ft. Two-Piece Cutter Bar.**

# AVERY

**POWER MACHINERY CO.**  
Dept. 155 - Peoria, Illinois  
Factory Branches:  
Kansas City, Mo.—Wichita, Kan.

**Write for Combine Catalog**  
See the machine in natural colors—All about the designing and perfecting of this wonderful New and Simpler Combine that last year literally "Won the West" with its Greater Capacity and Easier Handling.

## HIDES - FURS

Salt Cured Hides (under 45 lbs.)	No. 1	No. 2
	11c	10c
Horse Hides (45 lbs. and up)	9c	8c
No. 1	\$2.50 to \$3.50	
No. 2	\$2.00 to \$3.00	

Always in the market. Other grades at full market value. Write for fur prices and shipping tags. Payments promptly.  
126 North Kansas  
TOPEKA, KANSAS

**T. J. BROWN**

"I own a cow and calf now, bought with my last year's profits, and I hope I may make as much money on my projects this year."—Merlin Williams, Marshall county.

"The Shawnee Barnyard Boosters have high ambitions for the coming year. We are planning several meetings for all boys and girls of club age who are interested in club work and who might become good members. In our club next year, we want only members who will not hesitate to do their full share in club work. We want boys and girls who will attend all meetings possible, give helpful suggestions for the club, and tend their projects well. And, above all, we want members who will not lose enthusiasm during the latter part of the year, but who will be just as willing to boost the team then as at the year's beginning."—Erma Schmidler, Shawnee county.

"During the Topeka fair, I want to take about five days to see the city, and I wish to attend the Capper Clubs banquet and be in the parade. I also want to attend the 4-H Round-up in Manhattan. I am going to get as many members of Rooks and Phillips counties to attend the Kansas Free Fair as I can.

"My project is to be 12 hens and one cockerel, to be bought from the Colonial Poultry Farms, Pleasant Hill, Mo. The poultry is accredited and my eggs are to be sold to the Colonial hatchery."—James Hesler, Rooks county.

"Last year my name did not appear among the winners, but I do not feel that I lost, for I learned many valuable lessons in poultry raising, and I enjoyed the many social activities of the club very much. I shall work just as hard as I can to be numbered with the winners of 1930, and I think all of our team feel the same way. If they all work as hard as I intend to, I think we shall at least be mentioned when the race is over."—Alberta Hammett, Marshall county.

"With all the success Ruth and I have had with our single comb Rhode Island Red chickens, don't you dare think we won't indulge in the game next year. We have not decided how nor if we shall be club members. Just these ideas of 1,000 baby chicks and a pedigreed flock for next year now enter our heads."—Mrs. L. D. Zirkle, Finney county.

"I think the achievements of our team will be greater than last year for the reason that we shall have more experienced members. Club work was new to most of us last year. The club members now are all very enthusiastic over their work and are eager to get their projects and begin. It would not surprise me if the Capper Clubs' membership list of 1930 doubles that of 1929."—Mrs. G. A. Hammett, Marshall county.

"I would like for every one of my team mates to get down to business and send in their own application blanks and get lined up early in the game for the 'pep' race.

"I would like for the Capper Clubs to double its number of members this year. I hope that Senator Capper may meet us all at the fair in Topeka next September, and see what a large family of folks we really are."—Ruth Zirkle, Finney county.

"I hope to be able to show a good profit on my flock at the end of the year, for it is the extra profits from the flock that furnish the pleasure of music, books and magazines for the whole family.

"May I, with my larger experience, always be ready to aid the boys and girls with their poultry problems. I do not wish for personal honors for myself and family for the coming year, for I feel that we have had more than our share. If I can help the boys and girls to be better citizens, and make my community better for my having lived in it, my goal will have been reached."—Mrs. Frank Williams, Marshall county.

### Grain View Farm Notes

BY H. C. COLGLAZIER  
Pawnee County

The warm weather during the last week has made the wheat green up considerably. A few days of growing weather was just what the wheat needed to recover from the previous weeks of severe cold and wind. The bunches of wheat on the north side of the uneven places show some win-

ter damage. Most of the damage is in the volunteer. It is possible some of the shoots on the larger bunches of wheat will yet come out with a few more days of warm growing weather. There is an abundance of moisture and the wheat is well rooted. There is still considerable frost in the ground, and no rapid growth can be expected until all the frost is out.

Most farmers have had to begin feeding their livestock since the wheat pasture was frozen down. There is plenty of dry feed and silage in the country yet, and for the most part stock is in good condition. It seems that as many or more than the usual number of sows have been bred for spring farrow. Hog prices are so low many farmers feel they had just as well keep a few gilts and raise a litter of spring pigs and then run the risk of getting a higher price for the sows in early summer. The probability is that even with the higher prospective corn price the litter of pigs will considerably more than pay the cost of carrying the sow over until late spring. Corn is selling for 65 to 70 cents a bushel.

A local poultryman told me how to make a very cheap and satisfactory homemade mash hopper the other day. A rectangular box is made out of 6-inch boards. The box is two boards wide and as long as is needed. At each end an upright piece is nailed, and it extends about 6 inches above the end. Then a 1 by 2 inch piece is nailed to the upright pieces at the

ends, and it extends the full length of the box. Thus arranged, the hopper appears very much like a carpenter's tool box. Shingle nails are then driven about 2 inches apart along the top of the sides of the hopper. Baling wire is strung back and forth from side to side and over the "1 by 2" at the top of the hopper. Then to keep the birds from getting on top of the "1 by 2" a baling wire is strung very tight from end to end and on top of the "1 by 2." The wire is so small the head cannot sit on it. This makes a very good feeder, and one that is well lighted. It is easily filled and not very difficult to clean. The cost is practically nothing, because there are always enough old boards and wire to make such a feeder.

Cream prices are very low. There is about 16 cents' difference between the local cream price and the whole milk price at the local cheese factory. It doesn't seem as if the dairy business could be overdone, because not over six months ago we were reading some wonderfully well written articles about how long it would take to overdo the dairy business. The calves that were born about the time those articles were written are hardly weaned yet. There must have been quite a crop of new cows come along that had been overlooked in the last year's estimate. These overnight changes are mighty hard to keep up with.

There used to be quite a demand for country butter at the local stores,

but now one can hardly sell country butter. The trade demands creamery butter or butter substitutes. There are several reasons why people do not want country butter. The most important one is due to the lack of uniformity and flavor. Most people who make butter seem to think they make the best butter in the world. In the past farmers have sold a lot of bad butter. The consumer is the best judge of quality. Creamery butter is a standard uniform product fully covered with a guarantee by the maker. The only way country butter can be sold now is to local customers. If the butter substitutes were taken out of the market my guess would be that cream prices would be a third higher.

Most people have hardly recovered from the first half of the tax-paying shock. Local taxes were a few dollars less than last year, but they are high enough yet to touch the sky. We have been reading some lately from the report of the Kansas Tax Code Commission. The booklet is just off the press, and if anyone is interested in taxes we would advise him to get a copy of this report and read it. The tax situation is discussed very completely.

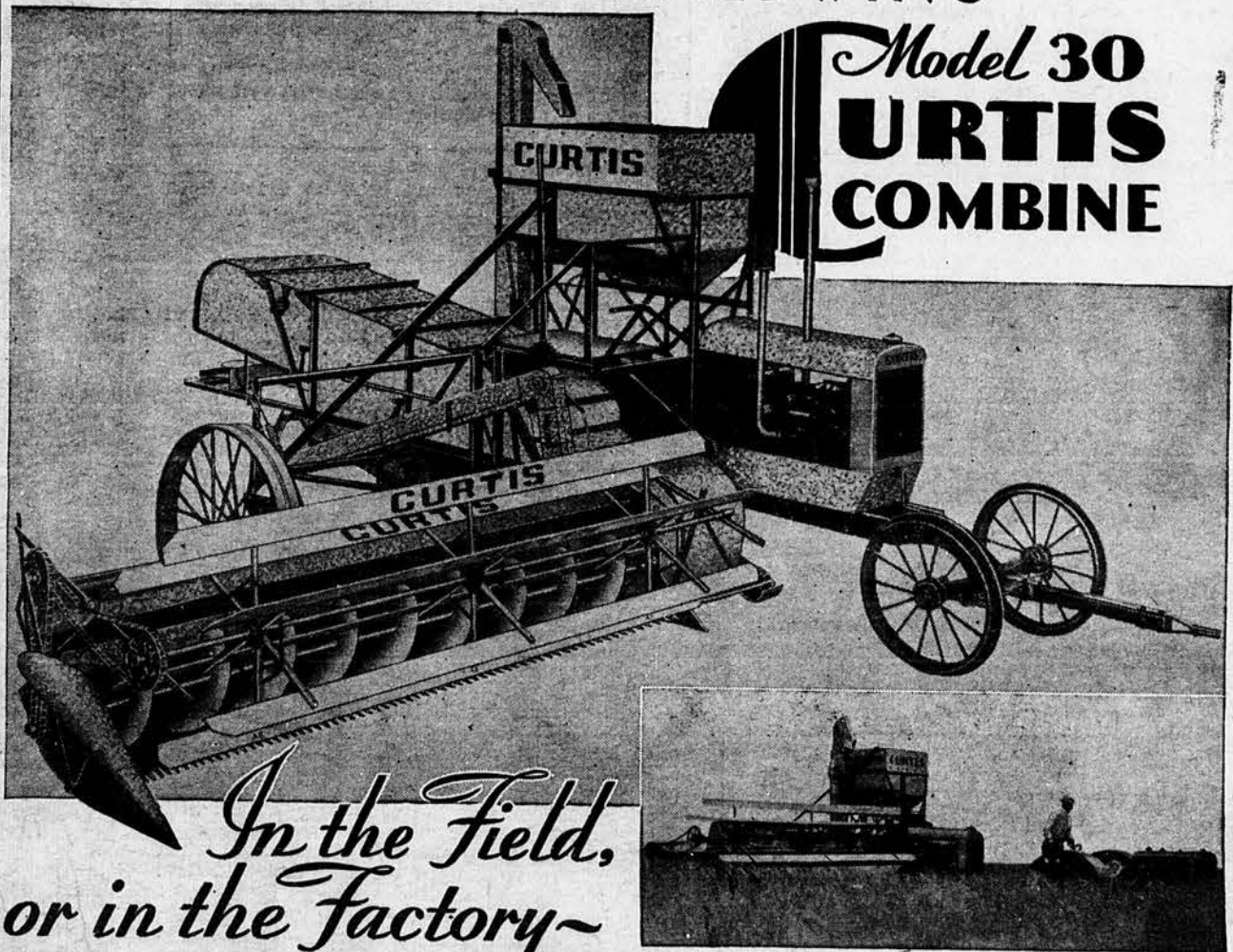
### Don't Tell

"Can you keep a secret, daddy?"

"Yes, Junior, what is it?"

"Well, mamma just ran off with the chauffeur and they've taken the Cadillac."

## CURTIS BALDWIN'S



*In the Field,  
or in the Factory—*  
**EXPERIENCE COUNTS**

**NO MAN, in any line of business, values experience more than the farmer. It is experience that has made the farm more productive, farming more efficient. And it is experience that has built the Curtis Combine.**

For 20 years, Curtis Baldwin has pioneered, experimented and tested combines. He has built ten different machines, all of which successfully harvested and threshed grain, each an improvement over the one before. It is this experience that adapted Archimedes' screw to the conveying of unthreshed grain, that perfected compound agitation in separation, that designed the Baldwin Feeding Gauge and the Differential Threshing Cylinder, all features of the Model 30 Curtis Combine.

What other combine has such experience behind it, such a record of proved performance? Experienced, critical farmers demand such a machine—and to those who are considering a combine for 1930, Curtis Baldwin would appreciate an opportunity to describe his Model 30. The coupon below will receive his personal attention.

### AN INVITATION

"If you will mail this coupon to me, I would like to explain in detail the design and construction of my Model 30 Combine, particularly the Feeding Gauge and Differential Cylinder—and their advantages to you."—Curtis C. Baldwin.

My name is \_\_\_\_\_

and my address \_\_\_\_\_

**CURTIS HARVESTERS, INC. Curtis C. Baldwin, Pres.**  
703 ARMOUR ROAD, KANSAS CITY, MISSOURI

# Modernizing Grandma's Cooky Jar

Recipes Are Newer, Methods Quicker, Cookies Equally Good

**D**EAR to our hearts are the memories of grandmother's well-filled cooky jar! And while modern cooks try to keep the cooky jar filled they employ many short cuts in baking luscious cookies.

Ice box cookies are the latest modern method and a most convenient one. These are mixed, made into a roll, wrapped in wax paper and put into the refrigerator to chill. Over night is ample time for them to chill tho they will keep for a week. They need not all be cut and baked at one time, but can be used as needed. In cutting use a sharp knife with a sawing motion. If the dough contains nuts or fruit it must be finely chopped so as not to interfere with cutting. Butterscotch icebox cookies are a favorite. Here is the recipe for them:

1 cup shortening	1 teaspoon vanilla
2 cups brown sugar	2½ cups flour
2 eggs, well beaten	¼ teaspoon soda
½ cup nutmeats, chopped	¼ teaspoon salt

Cream shortening, add sugar and cream well. Add eggs, nutmeats and vanilla. Sift together the dry ingredients and add to other mixture. Mold in a roll or in a well-greased deep pan, cover well with wax paper and chill in the refrigerator. Slice with a sharp knife and bake on a well-greased baking sheet in a quick oven, 375 degrees Fahrenheit for 10 to 12 minutes or until brown.

## Orange Icebox Cookies

½ cup butter	¼ cup orange juice
1 cup sugar	Grated rind 1 orange
2 egg yolks	2 teaspoons baking powder
2 to 2½ cups flour	½ teaspoon salt

Cream butter, add sugar and cream again. Add beaten egg yolks and beat thoroly. Add orange juice and rind. Fold in the twice sifted ingredients. Chill in the icebox after forming into rolls 2 inches in diameter. Cut and bake. These may be iced with orange icing if desired.

## Peanut Cookies

Stir together 1 cup of softened shortening and 1 cup each of brown and white sugar. Add 3 well beaten eggs, 1 pound shelled and roasted peanuts finely chopped, and about 5 cups of flour sifted with 2 teaspoons soda, ¼ teaspoon salt and 1 tablespoon cinnamon. Make into 3 rolls, 2 inches thick, chill and slice. Bake in a hot oven.

## Jane's Drop Cookies

Cream 1 cup shortening with 2 cups granulated sugar, add 2 well beaten eggs and 1 cup milk. Sift 4 cups flour, 3 teaspoons baking powder and 1 teaspoon salt together. Combine with the first mixture, then add 1 teaspoon vanilla and 1 cup raisins dusted with flour. Nutmeg makes a good flavoring, also. Drop by spoonfuls on a well-greased pan and bake in a moderately hot oven until done.

## Rolled Oats Cookies

1 cup rolled oats, uncooked	2 teaspoons baking powder
2 eggs	1 cup sifted flour
½ cup dates, measured	¼ cup sugar
after removing stones	2 tablespoons hot water
1 teaspoon vanilla	

Sift together flour and baking powder. Add a tiny pinch of salt and beaten egg yolks. Stir in

By Hallie A. Sawin

oats and chopped dates, adding hot water and flavoring and whites of eggs beaten to a stiff froth. Turn into a well greased pan large enough to keep batter thin, and bake in a moderate oven for 15 to 20 minutes. Cut into squares when nearly cold, but do not try to remove from pan until perfectly cold.

## Adele's Chocolate Cookies

Cream 1 cup sugar with ½ cup shortening, add 1 well beaten egg and beat mixture, then add ½ cup milk and 2 squares chocolate which has been melted over hot water. Stir in 1½ teaspoons baking powder sifted with 1½ cups flour and mix well. Add 1 teaspoon vanilla and 1 cup walnut meats, chopped. Drop by spoonfuls on well



**MARY ANN** says: There is nothing wrong with the American flapper. Just give her time and she will be singing lullabies and telling bed-time stories along with the rest of us. And she will be doing it just as gaily and as efficiently, too.

greased baking sheet and bake at 400 degrees Fahrenheit for 10 to 12 minutes. These may be iced with the following icing:

2 cups powdered sugar	2 teaspoons cream to moisten
2 squares melted chocolate	
1 egg white (do not beat)	

Beat egg white with sugar, add chocolate and cream and then spread on cookies while warm.

## Ginger Drop Cookies

¾ cup butter	1¼ teaspoon cinnamon
1 cup sugar	1 cup dark molasses
1 egg	1 teaspoon soda
¾ cup hot water	½ teaspoon ginger
4 cups flour, sifted	1 scant teaspoon salt

Cream butter and add sugar gradually, then the well beaten egg, the hot water and the molasses. Sift flour once then add other dry ingredients and sift together. Drop on an oiled pan and bake for 8 minutes in a moderately hot oven.

## Butterscotch Sticks

½ cup butter	¼ cup pecan nut meats, broken fine
¾ cup light brown sugar	½ teaspoon vanilla
1 unbeaten egg	½ cup bread flour
1 teaspoon baking powder	

Melt butter in a saucepan, then add sugar, and when well blended, remove from fire and cool until lukewarm. Add the egg and beat the mixture well. Then add flour sifted once before measuring, and baking powder, nut meats and vanilla. Spread mixture in a shallow pan lined with wax paper. Bake in a rather moderate oven about 30 minutes. Remove from pan and when cool cut in narrow strips about an inch wide and 4 or 6 inches long.

## Turkey Baked With Milk

**T**HIS is a most delicious way of roasting turkey. Make a stuffing of ½ potatoes, ½ bread crumbs, 1 cup raisins, ½ cup butter, ¼ cup sugar, a small amount of cinnamon, salt and pepper to taste, and last 2 well beaten eggs, stirred in lightly. When the turkey is properly prepared and stuffed with this mixture, heat a pint of new milk and put in roaster with the turkey and bake, basting every 15 minutes with the milk. Keep milk on top of the stove to replenish the supply in the pan as needed. It will take about 2 quarts of milk. When done remove turkey and place roaster on top of stove to boil a moment. The gravy will then have a curdled appearance, and is very delicious. Maggie Clemmons.

Randolph Co., Missouri.

## Her Kitchen Is Two Rooms Now

BY MRS. M. E. ZIMMERMAN

**M**Y KITCHEN was so big that it meant much extra labor in going back and forth from stove to cupboard, and from cupboard to work table. Besides, I had no dining room. So I had the

whole room cleaned and papered. Then I took four large pieces of furniture and placed them in a line thru the center of the room back to back, making an impromptu wall. There were the sideboard and china closet with their backs against those of the kitchen cabinet and work table, which is built nearly to the floor with cupboards and drawers. On the china closet side are my dining table and chairs. On the other side are the range, wood box, washstand, and breakfast table.

With this division I am able to save many steps in my smaller kitchen and I have a nice room to eat in, removed from the muss of the kitchen.

## Timid Radio Artists

BY HELEN DEEMS BOWMAN

**T**O HELP the "timid souls" in our community club, we tried a radio program and found it very successful. A discarded phonograph horn stored in someone's attic served as the loud speaker. A funnel placed in the small end of the horn made it possible for the "artists" to speak or sing into it from behind the curtain. The curtains were in place, a table on which was a small radio set, sat just below the horn on the audience's side of the house.

After the business meeting, the president announced that a radio program would be enjoyed. The name of our club is "Plainview" so the radio announcer chose "The Voice of Plainview" as the name of the station on the air. A program was presented by popular radio artists who, the announcer explained, were visiting in the studio. Just before signing off, a demonstration of television was given and the audience was allowed to see the artists they had been hearing. Of course the listeners already had tried to guess who was talking as President Hoover, Lindy and others, but they were anxious to know if they were correct. The evening's program proved very entertaining and utilized the talents of many who would not have performed in the usual open manner.

## For the Family of Three

**344**—Something new in rompers for the wee boy or girl. Has raglan sleeves, gathered into narrow bands. The suit is straight at front, with tiny gathers at the neck, which is finished with a band collar. Closes at back with drop seat, with left leg left free and finished with button and buttonholes. Patch pocket trims the romper. Designed in sizes 2, 4 and 6 years.

**543**—A smart slenderizing model. Deep V neck line of plain material matches a shade in the figured material. Snug hips are trimmed with bands of contrasting material. Skirt is circular with graceful fullness at hem. Designed in sizes 16, 18, 20 years, 36, 38, 40, 42, 44, 46 and 48 inches bust measure.

**577**—Just the outfit for the school girl. Coat is made on straight line and the sports dress has a scarf tie slipped thru band openings. The skirt has inverted plaits on each side of the center. Designed in sizes 6, 8, 10, 12 and 14 years.



All patterns ordered from Pattern Department, Kansas Farmer, Topeka, Kansas. Price 15 cents each.

## Announcing a Cooky Contest

**T**HE cooky jar is one article in the kitchens of yesterday that has become famous in story and song. Home women today would do well to revive the well-filled cooky jar along with the quilts. Cookies have many possibilities. A glass of milk and a nutritious cooky make a healthy after school lunch. Cod-liver oil and nap-time will become popular with younger children if followed by a cooky treat. One must use wisdom, tho, in choosing cookies for the younger children. These sweets are the life-savers in the dessert course and on the emergency shelf. Or they may be a dessert in themselves if they are worked up rightly. Many varieties of cookies are being baked daily in the farm kitchens of Kansas. There are many favorite recipes. Let's have a contest, and if you have a favorite cooky recipe, send it, and also tell the ways in which you use this sweet. Send contributions to Rachel Ann Neiswender, Home Editor, Kansas Farmer, Topeka, Kan. First prize will be \$5, second prize, \$3, and third, \$2. \$1 will be paid for every recipe used at any time.

And to add variety let's hear from those Kansas women who have memories of cooky jars in homes beyond the seas. \$3 will be the prize for the best Foreign Cooky recipe submitted. The contest will close February 1.

# Look! Look!...it rises twice.. ...not once

It's wonderful how **CALUMET'S DOUBLE-ACTION** makes all your baking better

PERHAPS you have heard people tell of the wonderful "luck" they always have with Calumet. It is Calumet's Double-Action that causes that "luck." Two leavening actions—not merely one. The astonishing test described on this page will show you Calumet's Double-Action.

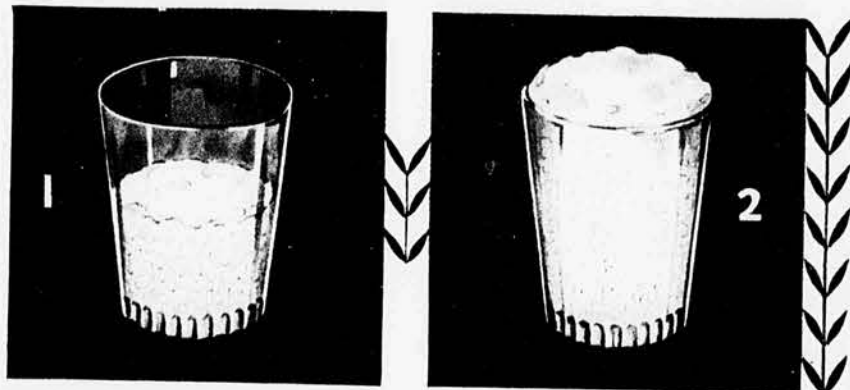
In baking, Calumet's first action takes place when you add the liquid to the dry ingredients. Then, when you put the batter into the oven, the *second* leavening action begins, swells through the batter and makes your baking rise beautifully—even though you may not be able to regulate your oven temperature perfectly.

When women have pulled one perfect Calumet cake after another out of their ovens . . . when they have found that biscuits which used to be only pretty good, are simply delicious when made with Calumet . . . they naturally tell their friends. That is why Calumet is now the largest selling baking powder in the world.

All baking powders are required by law to be made of pure, wholesome ingredients. But not all baking powders are alike in their action. Not all can give you equally fine results in your baking. Calumet is scientifically made of exactly the right ingredients, in exactly the right proportions to produce *perfect* leavening action—*Double-Action*—your assurance of perfect baking results.

Bake some muffins by the easy recipe on this page—and see what fine results you get. Notice that the recipe calls for only one level teaspoon of Calumet to each cup of sifted flour. This is the usual Calumet proportion and should be followed for best results—a real economy, too.

Mail the coupon and Marion Jane Parker will send you the new Calumet Baking Book—a collection of splendid up-to-date recipes prepared by baking experts.



**MAKE THIS TEST**—Naturally, when baking, you can't see how Calumet's Double-Action works inside the dough or batter to make it rise. But, by making this simple demonstration with only baking powder and water in a glass, you can see clearly how baking powder acts—and how Calumet acts twice to make your baking better.

Put two level teaspoons of Calumet into a glass, add two teaspoons of water, stir rapidly five times and remove the spoon. The tiny, fine bubbles will rise slowly, half filling the glass. This is Calumet's first action—the action that takes place in the mixing bowl when you add liquid to your dry ingredients.

After the mixture has entirely stopped rising, stand the glass in a pan of hot water on the stove. In a moment a second rising will start and continue until the mixture reaches the top of the glass. This is Calumet's second action—the action that takes place in the heat of your oven.

Make this test. See Calumet's Double-Action which protects your baking from failure.

## A RECIPE FOR CALUMET MUFFINS

2 cups sifted flour  
2 teaspoons Calumet  
Baking Powder  
2 tablespoons sugar  
½ teaspoon salt

1 egg, well beaten  
1 cup milk  
4 tablespoons melted  
butter or other  
shortening

Sift flour once, measure, add baking powder, sugar, and salt, and sift together three times. Combine egg, milk, and shortening; add to flour gradually, beating only enough to blend ingredients. Bake in greased muffin pans in hot oven (400° F.) 30 minutes. Makes 12 muffins.

(All measurements are level)

# CALUMET

The Double-Acting  
Baking Powder



## MAIL THIS COUPON NOW

MARION JANE PARKER

% Calumet Baking Powder Company, 4100 Fillmore Street, Chicago, Ill.

Please send me, free, a copy of the Calumet Baking Book.

Name \_\_\_\_\_

Street \_\_\_\_\_

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Please print name and address plainly



# Your Screen-Grid RADIOLA

built by the people who know how  
for Battery or House Current Operation



RCA RADIOLA 22—Cabinet model, Screen-Grid receiver for battery operation. With enclosed RCA Loudspeaker . . . . . \$135 (less Radiotrons)



RCA RADIOLA 21—High-powered Screen-Grid receiver for battery operation. . . . . \$69.50 (less Radiotrons)

RCA LOUDSPEAKER 100B—With the rich, mellow tone characteristic of the popular "100" type of reproducer . . . . . \$17.50

RCA LOUDSPEAKER 103—The leading magnetic-type radio reproducer. Designed to harmonize with home furnishings . . . . . \$18.00

In the RCA Screen-Grid Radiola you are getting the latest type radio set—a set tried, tested and approved by the same engineers who gave Screen-Grid radio to the world—and who have pioneered every great advance in the radio art.

There's satisfaction in owning a fine radio—one that you can be proud of, not only today but in the years to come, and one you don't have to apologize for.

You don't need electric light service in your home to enjoy the wonders of this high-powered radio set. The RCA Screen-Grid Radiola has been built for battery operation as well as socket power. Its vacuum tubes (Radiotrons) are twice as powerful as any previous make of tubes.

No home today can afford to be with-

out a good radio set—one that reproduces the great programs on the air just as they are sent out by the broadcasting stations. And it pays to buy a thoroughly dependable set. You don't have to experiment, for Radiolas are backed by the reputation and experience of a world-wide organization.

A Radiola is an investment. It pays big returns to you every day of the year. Think of all you miss without a Radiola—things that you can't afford to miss—the latest news from all the markets, university extension courses, practical talks on home economics, musical entertainment by the country's greatest musicians—programs that cost millions a year to put on the air.

When you buy your radio set, look for and insist upon the famous RCA Trademark.



Look for and insist upon the famous RCA trademark

## RCA RADIOLA

MADE BY THE MAKERS OF THE RADIOTRON

RADIOLA DIVISION RADIO-VICTOR CORPORATION OF AMERICA



# Hiking from California to Maine



and no spare parts for their feet!

How far do farmers walk in caring for their cows?

In three months, according to a check made by the University of Wisconsin, 100 farmers with an average of 27 cows apiece, hiked a total of 3,500 miles—just in feeding and cleaning chores for cows, *in stalls only!*

That will give you some idea of the distance you're walking every day on your farm. And human feet, remember, are one means of locomotion for which you can't buy spare parts anywhere!

So give your feet all the ease and comfort you can. Thousands of foot-careful farmers from California to Maine find the maximum of comfort surely and economically from "U. S." Blue Rib-

bon Footwear. For the United States Rubber Company has built the "U. S." Blue Ribbon line not only to wear and wear and wear — but, above all, to give long-lasting, foot-saving comfort.

See it—wear it, the 44-part Boot!

Rubber boots may look like simple things to make. But not this "U. S." Blue Ribbon Boot. It is made of 44 distinct parts—all fashioned together with such skilful workmanship that one day in them will prove that they're the most comfortable boots you've ever slipped your feet into.

This 44-part boot is made over a specially designed last so as to assure perfect, exact fit for any but abnormal

feet. There is a shape-in effect between heel and ankle. This special shaping of the boot, plus the rocking chair curve in the sole, and the square flat heel gives you a springy, "carry-through" stride that spares your strength.

A set of bracing rubber ribs extend down over the front of this "U. S." Blue Ribbon Boot, so that it won't buckle over the instep and press on the big veins of the feet.

Every feature of the "U. S." Blue Ribbon Boot is the result of years of experience and effort to build the most comfortable rubber footwear it is possible to make. *There's a type of "U. S." Blue Ribbon Heavy Footwear for every member of the family.*

## 1. A Family Rubber Line

All the family can have "U. S." Rubbers—men, women and children . . . high-cut, storm, foot-holds, heavy service or dress.

## 2. This "U. S." Blue Ribbon Boot

is built to wear long—and comfortably. Used by farmers everywhere.

# "U.S."

## BLUE RIBBON

### foot-saving heavy footwear



## 6. Keds for Swift-footed Children!

Full protection for young feet—yet barefoot freedom in Keds, the most popular boys' and girls' shoes in America. Neat—smart-looking. Made only by the United States Rubber Company.

## 3. Neat, Sturdy Arctics

There is extra warmth in the fleece lining of these neat-looking, long-wearing "U. S." Arctics. Fine quality cashmerette upper. In red soles or Ebony with white soles. 4- or 5-buckle lengths.

4. In addition the "U. S." Blue Ribbon Walrus (all-rubber arctic) is a most useful shoe. It slips right over your leather shoes, kicks off in a jiffy, washes clean like a boot. Gray soles, red uppers, 4 or 5 buckles.

## 5. A Tip to Farmers' Wives

You'll not only find comfort and wear—but style, too, in these Gaytees for town and neighborly calls. "Gaytees" is the trademarked name of these stylish, tailored overshoes made only by the United States Rubber Company. Gaytees come in cloth or all rubber—in high or low height with Snap fastener, Kwik-glide fastener, or 4 buckles.

## FREE BOOK!

### The Care of Farmers' Feet

Combined with a beautiful history-calendar

Get the new free book on foot health written by Dr. Joseph Lelyveld, Director of the National Association of Foot Health—combined with a beautiful history-calendar. Dr. Lelyveld discusses such problems as bunions, corns, ingrown nails, chilblains, calluses, fallen arches, how to care for itching feet, and many precautions that lead to health and comfort. He also tells how to greatly increase the life of your rubber footwear by following a few simple rules. Address: United States Rubber Company, Dept. FFF-16, 1790 Broadway, New York.



# IN THE GREAT FARMING CENTERS AS IN THE CITIES

*People buy from two to five times as many new Buicks as any other car in Buick's field! . . . . .*

WHEN the man from the farm and the man from the city get together and start talking automobiles, both discover an interesting fact. And here it is:

*In agricultural America, as in industrial America, people favor BUICK so strongly that they buy from two to five times as many new Buicks as any other car in its field. In fact, during August and September of this year, public preference for Buick ran so high that Buick won 41% of the total sales of all cars in its price class. Month after month, demand for Buick has surpassed the demand for any other car in its field by the widest margin in Buick history.*

When the man from the farm and the man from the city start naming the reasons they favor Buick so strongly, both arrive at the same conclusion.

*Never before in motor car history has it been possible to get such outstanding value as in the new Buick for 1930. Never before has Buick revealed such clear-cut superiority over its field in all elements of performance, appearance, stamina and reliability. And never before have motorists found Buick cars available at such remarkably attractive prices.*

Only Buick's tremendous manufacturing resources and overwhelming sales leadership make it possible, for example, to offer six of the fourteen luxurious Buick body types at prices under \$1300, f. o. b. factory. This is all the more apparent when you realize that the new Buick combines such outstanding features as:

Buick's great new Valve-in-Head engine—developing 80½ horsepower in the 118-inch series and 99 horsepower in the 124 and 132-inch series—achieving the very perfection of performance, with improved economy.



Buick's beautiful new low-swung Bodies by Fisher, handsomely finished and appointed, incorporating such remarkable advancements as waterproof, wearproof, dustproof upholstery; new Non-Glare Windshield; adjustable front seat and adjustable steering column.

Buick's new Controlled Servo Enclosed Mechanical Brakes; new frictionless steering gear and new Road Shock Eliminator; new, longer rear springs with Lovejoy Duodraulic Shock Absorbers; and many other advanced features.

The new Buick models for 1930 are unrivaled values. Feature for feature and dollar for dollar, they represent

more motor car for the money than even Buick has ever offered before. These are strong statements, but they are true statements, and Buick is eager to have you prove them to your own satisfaction.

See the new Buicks. Drive them. Make a feature-by-feature comparison with any other car anywhere near the Buick price. Then you'll know why men and women on the farms, in small communities and in large cities alike are buying from two to five times as many Buicks as any other car in its field. Then you, too, will decide to make Buick your choice.

BUICK MOTOR COMPANY, FLINT, MICH.  
Division of General Motors Corporation  
Canadian Factories: McLaughlin-Buick, Oshawa, Ont. Builders of Buick and Marquette Motor Cars

The New **BUICK** 5-PASSENGER 2-DOOR SEDAN \$1235

F. O. B. FACTORY

Give a Buick for Christmas. It's a gift that will still be giving when another Christmas comes. Three new series—three new wheelbases—three new price ranges—with 14 body types—all available on the extremely liberal General Motors time payment plan.

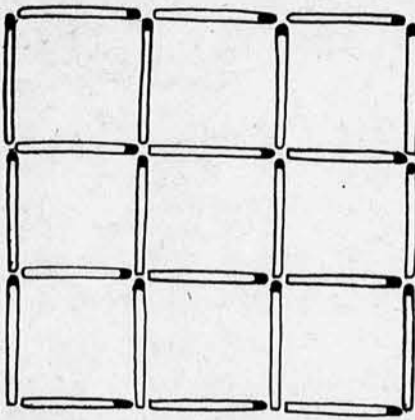
Series 40, \$1225 to \$1295  
F. O. B. FACTORY

Series 50, \$1465 to \$1495  
F. O. B. FACTORY

Series 60, \$1525 to \$1995  
F. O. B. FACTORY

WHEN BETTER AUTOMOBILES ARE BUILT . . . BUICK WILL BUILD THEM

# Fun With Puzzles and Riddles



Use matches to form squares as shown here. Can you take away four matches and leave five squares? Answer: Take away the central match on each side.

## Lee Likes His Teacher

I was 12 years old December 26. I am in the sixth grade. My teacher's name is Mrs. Wells. I like her very well. I go to Old Wells school. I have a brother and sister. I have two dogs, two ponies and a cow for pets. The dogs' names are Jack and Queen, the ponies' names are Topsy and Nigger and the cow's name is Pet. I wish some of the girls and boys would write to me. I will try to answer all their letters. Lee Oman.  
Cheyenne Wells, Colo.

## Goes to Mulberry School

I am 11 years old and in the sixth grade. My birthday is January 8. I go to Mulberry school. I have to go just across the road to school. My teacher's name is Miss Hendershot. For pets I have a dog named Ring and a Shetland pony named Felix. I belong to the Capper club. I have a sister named Betty Lou. She is 8 years old. I have a brother named Raymond and one named Dale. I enjoy the Children's page very much. I wish some of the girls and boys would write to me. Centralia, Kan. Louise Martsof.

## Watch and Dick Are Pets

I am 8 years old and in the third grade. I go to Halls Summit school. I have two brothers and one sister.

My brothers' names are Wayne and Ivan and my sister's name is Juanita. For pets we have a dog and a horse. The dog's name is Watch and the horse's name is Dick. I wish some of the girls and boys would write to me. Williard Barricklow.  
Halls Summit, Kan.

## A Test for Your Guesser

Why did the man call his rooster Robinson? Because it Crusoe.  
What is the highest public building in Boston? The public library has the most stories.  
The more you take away the larger it grows. What is it? A hole.  
Why is a lucky gambler an agreeable fellow? Because he has such "winning" ways.  
Why should the highest apple on a tree be the best one? Because it is a tip-top apple.  
What is the difference between a man and a banana peel? Sometimes the man throws the banana peel into the gutter, and sometimes the banana peel throws the man into the gutter.  
How many bushels of earth can

you take out of a hole that is 3 feet square and 3 feet deep? None. It has all been taken out.



"Willie, What Are You Doing?"  
"I'm Scratching Rover's Neck Where He Can't Reach it."

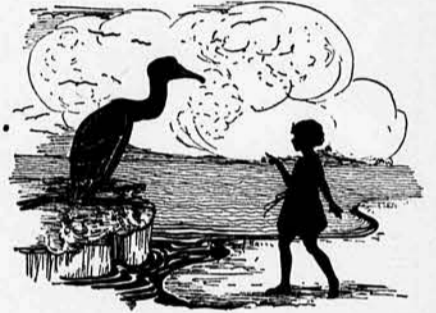
## Likes to Ride Horseback

I am 12 years old and in the seventh grade. I go 1 mile to Eureka school. My teacher's name is Miss McClain. I like her very much. There are 22 pupils in our school. For pets I have a dog named Dixie, a cat named Tiger and a riding pony named Bonnie. Those pets belong to me and my sister, Hazel. We have some other horses, also. Their names are Colonel,

Roudy, Lady Mae, Prince, Lottie and Beauty. Our mules' names are Jay and Ruby. We have 32 head of cattle. We live on an 80-acre farm and are renting another 80. One of my best sports is to go horseback riding. We can ride all of our horses and one of our mules has been ridden but I do not ride him. I would like to have some of the girls and boys write to me. Nancy Frances Talley.  
Centralia, Kan.

## Can You Find Towser?

This little girl was out walking on the beach with Towser, her dog. Pretty soon she found Towser was



gone, so she asked a cormorant that she met if he had seen her dog. "Yes," said the cormorant, "I see Towser now." Can you find him in this picture?

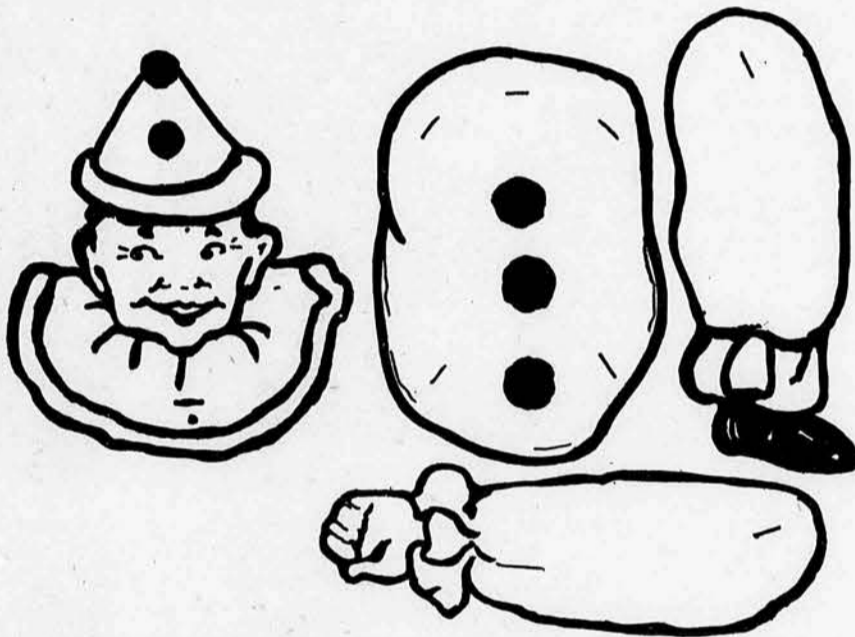
Send your answers to Leona Stahl, Kansas Farmer, Topeka, Kan. There will be a surprise gift each for the first 10 girls or boys sending correct answers.

## Diamond Puzzle

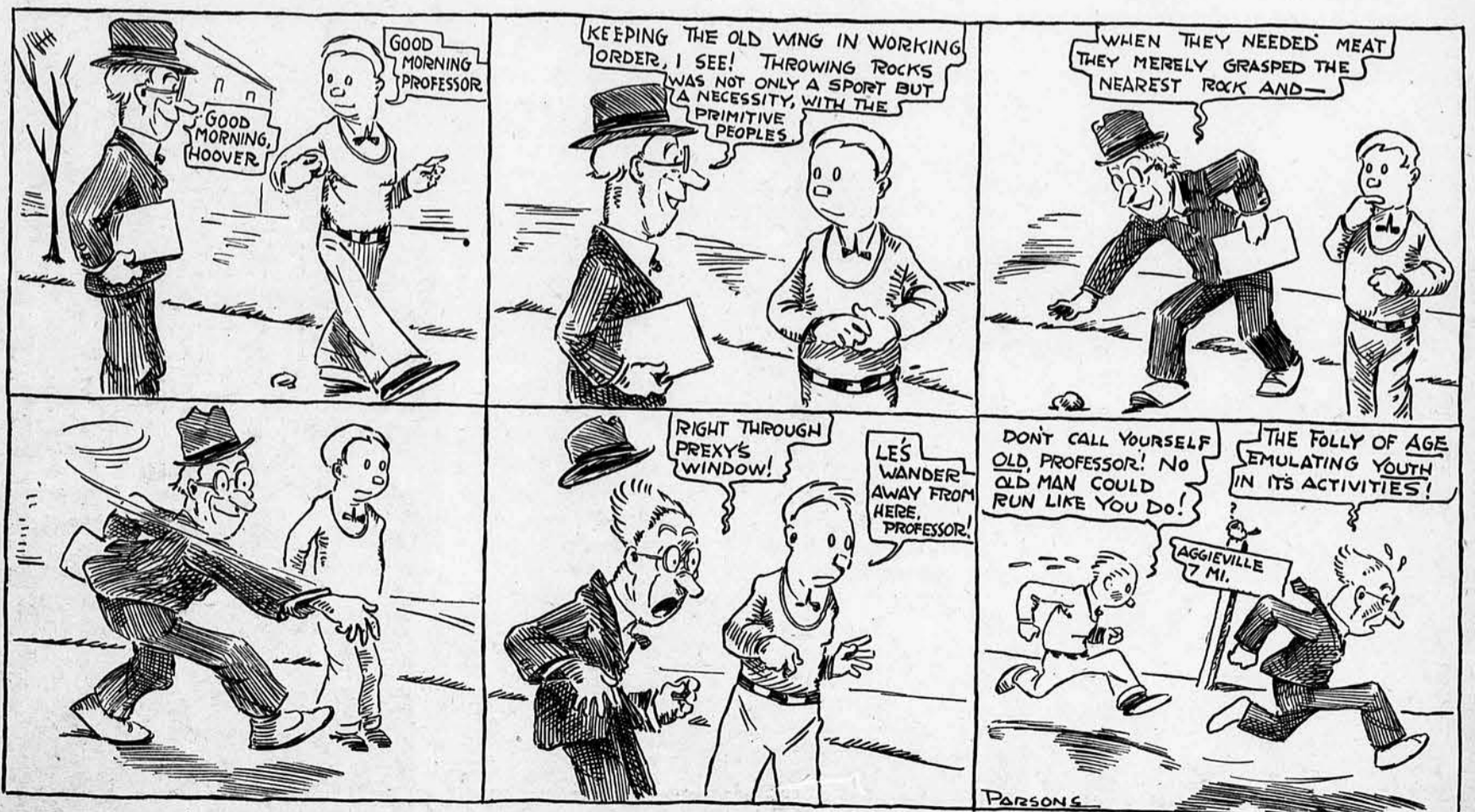
1. —
2. — — — —
3. — — — —
4. — — — —
5. —

1. Stands for 1,000; 2. An habitual drunkard; 3. A motion picture; 4. To bind; 5. Stands for East.

From the definitions given fill in the dashes so that the diamond reads the same across and up and down. Send your answers to Leona Stahl, Kansas Farmer, Topeka, Kan. There will be a surprise gift each for the first 10 girls or boys sending correct answers.



The clown is made by cutting out the parts according to the pattern, making two legs and two arms, of course, and fastening them together at the slits with paper fasteners.



The Hoovers—Buddy Attends an "Illustrated Lecture"

**FREE COMPLETE TEST PACKAGE**  
 Prove to yourself what 3,000,000 women know  
**GRAY HAIR GONE**



Why hesitate? Mary T. Goldman's way is entirely SAFE. Just comb clear, colorless liquid through the hair. Youthful color comes. Nothing to rub or wash off.

We don't ask you to buy. We only ask that you convince yourself. Snip off a lock of hair. Test results first this safe way. You have nothing to lose. You take no risk. We send FREE a complete test package. Mail the coupon. Please Use Coupon for FREE TEST PACKAGE

**MARY T. GOLDMAN**  
 912-A Goldman Bldg. St. Paul, Minn.

Name .....  
 Street .....  
 City ..... State.....  
 Color of your hair?.....



**Meat Curing**  
 Quicker, Easier, Safer, with this Smoke Salt

Morton's Figaro Smoke Salt is an improved meat-curing salt. Does the whole job at one time. Smokes as it cures—an easier, quicker, safer way. Use just like ordinary salt. Ask your dealer for Morton's Smoke Salt. If he cannot supply you, send direct to us. \$1.00 per ten-lb. can, prepaid.

FREE—this illustrated book on meat-curing. Write for it today  
**MORTON SALT COMPANY**  
 Dept. 27 Chicago, Ill.

**OLD PLANTATION SEASONING**  
 Makes Sausage Taste Better

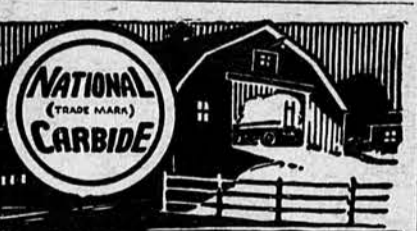
FOLKS: Listen! Here's the Old Time Country Flavor you have been looking for. Just one whiff will start your mouth watering... one taste, and you want a second helping, when your sausage is seasoned with Old Plantation Seasoning.

A complete blend of pure spices in flavor-tight bags, ready for use,—nothing to add, very economical. Each bag seasons 10-25-50 or 100 lbs. of sausage. Prove it for yourself. Get it at Grocery or Market.

Send 10c for full size household carton for seasoning 5 pounds of sausage. Also, free book, "Tempting Ways."

Also fine for poultry dressings, meat loaf, roasts, etc.

**A.C. Legg Packing Co., Inc.**  
 Dept. C  
 Birmingham, Ala., U.S.A.



**Brilliant Light for Night Work!**

NATIONAL CARBIDE in the RED DRUM saves you money. Your dealer has it. If not, write us.

**NATIONAL CARBIDE SALES CORPORATION**  
 342 Madison Ave., New York  
 Coast to Coast Service



**Rural Health**  
 Dr. C.H. Lerrigo.

**Are the Modern Hospital Rates Too High? Can They Be Reduced Safely?**

READING about the new Baker Memorial Hospital gives one a feeling at first that Boston is going to be a mighty fine place in which to enjoy poor health. Baker Memorial is a new unit of the Massachusetts General Hospital, and will begin operation in February, 1930. It is definitely announced that by the generous aid of the Rosenwald Fund sick people of moderate means are to be enabled to get thru Baker without that catharsis of the pocket-book that seems lately to be such a regular accompaniment of hospital care. People are beginning to realize nowadays that the terrors of illness are greatly lightened by going thru it under hospital care, but they also find that the pocket-book becomes lightened in direct ratio.

Any plan for the reduction of hospital rates will be studied by doctors and people alike with keen interest. Make no mistake about it, a doctor always feels better about his patient when he has him in the comparative safety of the hospital. But both patients and doctor shy away from the increased cost that will follow. I am writing, of course, of patients who pay their own bills and do not take county aid. Yet the Baker Memorial rates are not exactly reassuring. It is stated that private rooms will cost \$6 a day, and rooms in the two-bed and four-bed wards from \$4 to \$6. It would scarcely seem necessary to put any severe strain on the Rosenwald Fund at such rates. It seems quite evident that when things are dear in big cities like Boston they are very, very dear. In Topeka's first class hospitals the best private rooms are only \$6 a day (unaided by a Rosenwald Fund) and ward rates are as low as \$2.50. In some of the smaller Kansas hospitals rates are still lower.

Baker Memorial proposes to make hospital service cheaper by watching every item and cutting out extras. It will discourage the employment of special nurses. It will use ward maids, nurses' helpers and floor clerks freely so that registered nurses may not be spending their high salaried time doing work that can be handled by unskilled help. Every effort will be made to keep extra fees down and to see that nursing, food and ordinary drugs are included in the regular rates. It is a fine thing to know that efforts are under way to make hospital care cheaper. Anything done in this direction will be life-saving, because good hospital care is better in severe illness than anything that can be offered at home.

**May Cause Blindness**

Will you kindly tell me the cause of "Iritis?" If one has it once does he have it every year at about the same time of the year? Is there a permanent cure?  
 K. W. F.

Iritis is inflammation of the iris. It may come from external injury, exposure to severe weather, or some intense systemic disease. It is hard to cure and may come back under the same conditions as brought the first attack, but not because of the time of year. Since this disease may cause blindness it demands skilled attention.

**Caused by Eye Strain?**

What causes the twitching and the jumping of the eye and the eyelids? Is there anything that can be done to stop this?  
 T. S. C.

This trouble is called Nystagmus, and it is a nervous spasm which may originate in various ways. Local eye strain will do it and this may be corrected by proper spectacles. But it may be due to a general upset of the nervous system and require general treatment.

**Send a Stamped Envelope**

Catherine W:  
 I must remind you and other readers that inquiries about your personal complaints must be accompanied by a stamped, self-addressed envelope

for reply. We can only find room in the paper for questions of wide general interest. Your trouble might be a rupture, and should have an examination by a doctor.

**An X-Ray May Help**

There have been newspaper and magazine articles written on most any ailment, but I cannot remember ever seeing one that pertains to that so-called organic trouble, floating kidney. Of all the misery a human must go thru, and it seems without help! Will you please write something about it in the near future?  
 S. M. D.

Floating kidney that produces great misery is not so common as supposed. Many cases so diagnosed are something else. An X-Ray picture may help to decide. Floating or movable kidney may exist without causing any pain or inconvenience. I always suspect some other trouble as the cause when there is intense pain, especially if spasmodic. External bandaging helps some cases of floating kidney, especially in thin people, but a chronic case with great misery usually demands surgical operation.

**Good Load is Best**

Two factors are important in tractor costs. One is the number of hours used, the other, economical loading. The first entails a study of the machine's varied uses, and of the possibility of increasing these uses. The latter necessitates a study of the draft requirement of different implements, and the ways and means of devising tractor hook-ups.

An example will help to make this point clear. A 14-inch moldboard plow at a certain depth will have a draft of 600 pounds. A one-way plow, 14 inches wide, would require a pull of about 250 pounds, while that width of spike-tooth harrow has a draft of only slightly more than 50 pounds.

Such a variation is true of all field implements, and to load a tractor of certain size economically, the operator must know the approximate draft of each tool.

In the case of the drag harrow, a three-plow tractor will pull a hook-up 45 feet in width. Therefore, this size hitch should be used where it is feasible. On farms where the fields are not large, however, a 45-foot harrow would not be economical. Instead a tandem hook-up should be used, such as a one-way disk and harrow, or pulverizer and drill.

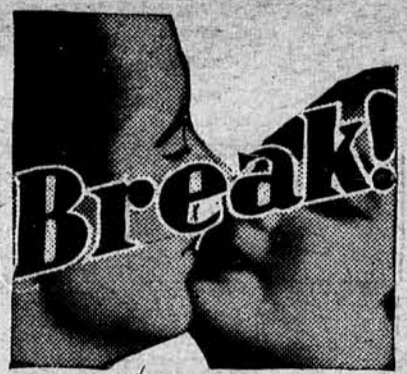
Tractor engineers and farm management experts agree that every tractor owner should make a study of his machine, to determine what will be an economical load, and then eliminate as much as possible the application of hitches with lower draft requirements. Manufacturers of tractors can furnish approximate figures on draft for each machine.

**Cows Made 693 Pounds**

Testing under the Ayrshire Herd Test plan, the 23 Ayrshires owned by Fair Fields Farm of Topeka during October, secured the highest production average in Kansas, with an average of 693 pounds of 4.16 per cent milk, containing 28.78 pounds of butterfat. Every cow in the herd that had once freshened was included in computing this average, regardless of age or stage of lactation.

Individual honors in the herd for production were won by Fair Fields Drummond Bell, a 4-year old, that produced 1,689 pounds of milk, containing 79.05 pounds of butterfat; High Value's Brownie, a 4-year old, that produced 1,562 pounds of milk, and 62.48 pounds of butterfat; Pearl Stone Princess Jean, a 5-year old, that produced 1,559 pounds of milk, with 62.36 pounds of butterfat, and Wanderer Thistle of South Farm, a 14-year old, that produced 1,363 pounds of milk, containing 63.02 pounds of butterfat.

Comfortable hens lay more eggs.



**COLD 3 ways in a day**

Don't broadcast a contagious cold. Don't let it undermine health. At the first sniffle or sneeze get quick, pleasant relief. Take Hill's because it stops cold in less time. Fights it 3 ways at once... 1: Checks fever... 2: Opens bowels, no griping... 3: Tones system. Gentle. Safe for young and old.

**HILL'S CASCARA-QUININE**

At Last a **Hammer Mill** that Grinds Anything Grindable

Get the facts on this new Hammer Grinder that does the work. A high grade Grinder for Fodderage as well as grain. Write today for low factory prices.

**American Separator Co.**  
 210 Mfg. Bldg., Kansas City, Mo.

**Bigger Cream Checks** buy many extra luxuries

HAPPY owners everywhere are using their Old-Skinning New American Separators to make more money from their cows. J. H. Pishes, N. Y. says: "We get 3 lbs. more butter per day with the American." Mr. W. W. Isaac, Iowa, writes: "Our cream check increased \$3 the first week."

Easy to Turn—Easy to Clean  
 Send name and address today for New Catalog, showing pictures of NEW INVENTION that gets all the cream. Explains which type pivot ball-bearing and perfectly-balanced bowl that makes the American run so easy a child can turn it. Made in capacities 125 to 1500 pounds per hour. Prices \$24.95 to \$77.50. Our Special Offer saves you \$20 to \$50—gives you absolutely FREE 7 DAY TRIAL FREE! 30-Day Trial! Lifetime Guarantee—Easy Payments. Write today—learn how to get this extra money.

**AMERICAN SEPARATOR CO.**  
 Dept. 301, Balmbridge, N. Y. or Dept. 301, 1929 W. 43d St., Chicago, Ill.

Save \$3.00 Per Bu. on **RED CLOVER**

Order now! Prices may go up later

I want all my friends to get in on this big bargain on Northwestern Red Clover, Hardy Lot "Shoshone." It has been re-cleaned six times for sowing, and is a practical seed that comes direct from big producing fields. This seed has the natural small mixture of alfalfa and sweet clover found on every farm in the northern part of the country. Just the amount wanted by most good farmers who appreciate the value to the soil of a slight mixture of these deep rooted legumes.

At this low price even the big supply I have on hand will go quickly. So order now as later prices will probably be higher. I'll send FREE samples.

**\$11.40 PER BU.** Bags Free

**ALFALFA** "Northwestern" Hardy Re-cleaned 6 times for sowing. **\$11.70** BAGS FREE

**Sweet CLOVER** White Blossom Un-hulled Sweet Clover, per 30 lb. Bu. **\$1.90** BAGS FREE

**Clover-Timothy** A rich mixture will give big stand. **\$5.40** And only **3 Bu.**

My Big New FREE Farm Seed Catalog Quotes Lowest Prices. Write For It.

"You'll find Grimm from Montana and Utah; hardy alfalfas from Dakota, Montana, Utah, Nebraska and Kansas; Red Clover, Sweet Clover, Timothy mixtures, etc., at the lowest prices offered anywhere. Send for free copy."—Earl E. May.

**MAIL THIS COUPON**

**MAY SEED & NURSERY CO.**  
 Dept. 25 Shenandoah, Iowa.

Dear Friend Earl: I want your Farm Seed Catalog giving your low prices on quality Farm Seeds.

Name .....  
 Address .....

# A Nursery Rhyme Coverlet

## Sleep Will Come Quickly Under a Colorful Crib Cover Like This

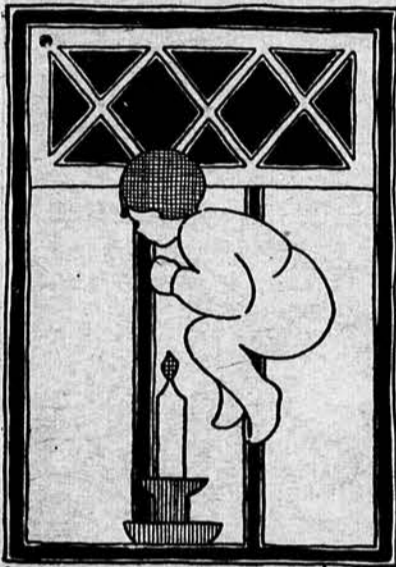
CHILDREN the world over love nursery rhymes. Why not use them on coverlets? Many a toddler would climb into bed happily, if the character in the old nursery rhyme, "Jack be nimble, Jack be quick, Jack jump over the candlestick" went with him. The making of this is easy. It is applique on linen or suiting-weight material, and all pieces are whipped down. It is as easily laundered as a sheet. It can be done in Delft blue with three deep rose panels, ivory casement and candle, orange flame and hair, pink flesh, white nightie and a jade-green

layers in a baking dish sprinkled with pepper and salt, dredged with flour, and with a little butter here and there. Pour hot milk over it, until the milk can be seen thru the potatoes, sprinkle with bread crumbs and bake in a hot oven for an hour.

### Meet an Old-Young Lady

BY MRS. LILLIE G. McDOWELL

LET me tell you about a woman of 72 summers who has kept an interest in life. She is Mrs. Gertrude Hoad of Lecompton, and not only does she manage two farms, one 40 acres and one 90 acres, successfully, but she finds time to contribute to many worth-while newspapers and magazines as well. Since the death of her husband, 15 years ago Mrs. Hoad has lived alone on her 40 acre farm which is just within the corporate limits of the historic village of Lecompton. It is her proud boast that



candle-stick. Or it could be worked up in colors harmonizing with the children's room.

We furnish a wax transfer number 547 at 25 cents that stamps all the applique parts, and of course we give full instructions for making.

### Women's Service Corner

Our Service Corner is conducted for the purpose of helping our readers solve their puzzling problems. The editor is glad to answer your questions concerning house-keeping, home making, entertaining, cooking, sewing, beauty, and so on. Send a self addressed, stamped envelope to the Women's Service Corner, Kansas Farmer and a personal reply will be given.

#### Do You Make a One-Egg Cake?

I have lost the recipe I had for a one-egg cake and as eggs are so high just now we want to sell all we can, but I would like to make a cake using as few as possible. I thought you might have a recipe like this. Mrs. E. P. G.

We have recipes for several one-egg cakes and I am sending them to you in the envelope which you inclosed letter, so that you may choose whichever you want to make. A woman who wishes these or other recipes may have them if she sends a stamped, self-addressed envelope to Rachel Ann Neiswander, Home Editor, Kansas Farmer, Topeka, Kansas.

#### Dry Cleaning at Home

I have heard of a good many commercial dry cleaners, but not tried any of them. Can you suggest the best way to use them and which ones are best? Mrs. Ed. E. K.

Dry cleaning is done best by gasoline, naphtha or benzine. It should be done out of doors, far away from any source of fire. Use a basin or tub, and immerse the article in the liquid, using as much as if water, lifting gently up and down. Rinse in a second portion. A suction washer may be used with large garments. Do not rub the fabric in the liquid. Lift, drain, and hang to dry. Keep the can of unused cleaner in a cool place.

#### For a Covered Dish Luncheon

Would you please send me recipe for a dish that would be suitable to take to a covered dish luncheon? Mrs. V. R. E.

Scalloped potatoes are always a favorite and I am going to give you here a tested recipe for them which I hope you and the members of your club will enjoy.

Cut potatoes in thin slices, put in

one year she raised unaided a flock of 1,300 Rhode Island Reds, and at one time owned and managed a herd of 30 dairy cows, managing the dairy work herself. Under her skillful management, her farms produce from year to year an average of a \$3,000 crop. One year her 15 acre apple orchard yielded 7,000 bushels.

How she found time to write is a mystery, since she took up writing comparatively late in life, but Mrs. Hoad is the author of more than 100 poems. She is represented in Herringshaw's anthology, "Poets and Poetry of Kansas." She contributes to a number of magazines. She is considered an authority on early Kansas history, and has an invaluable collection of clippings and documents bearing on that period. Mrs. Hoad was living in Lecompton when Quantrill sacked Lawrence and has written for many newspapers about that event.

Mrs. Hoad's hobbies are music and the photographing of scenes relating to pioneer life, and of birds. One marvels at this eagerly alive, vigorous woman who thinks nothing of a 6-mile walk and who, beside all her other varied activities is an ardent church worker and is just entering upon her 16th year as treasurer of the Douglas County W. C. T. U. Mrs. Hoad attributes her vigorous constitution to the active out-door life she leads, to her habit of drinking vast quantities of water daily and to the fact that she does not worry.

It pays to keep an interest in life!

#### Keeping Lemons Fresh

BY HELEN D. BOWMAN

LEMONS purchased several weeks ago, will not wither and become hard if at the time of buying an ordinary glass fruit jar is turned over them. Be sure that the top of the jar rests evenly on the shelf or whatever flat surface you choose. Lemons thus protected from air will keep fresh and delicious for many weeks.

#### Scarfs in the Wardrobe

SOME very smart patterns in rayon satin for winter scarfs are being shown. A large scarf well draped gives the effect of a new dress. Another aid to last season's dress is to wear it with a short jacket of flowered lame in two or more colors.

# Popular Novels 75c Postpaid

Mark on this page the books you desire or name them in a letter addressed to the Capper Book Service, Topeka, Kan. Inclose 75 cents for each volume ordered and the books will be sent postpaid to any address as requested. Every book sturdily cloth-bound and printed unchanged and unabridged from the plates of the former higher priced editions. Send for a complete list of these leading 75 cent values.

### The Pick of the Best



WE, by Charles A. Lindbergh—The famous flier's own story of his life and his trans-Atlantic flight, together with his views on the future of aviation with a foreword by the late Myron T. Herrick, when he was Ambassador to France.

Every admirer will want to own Colonel Lindbergh's book, the real story of the partnership between an American youth and his unfaltering plane, told with straightforwardness, simplicity and modesty. This is the only book Colonel Lindbergh has written.

GOD AND THE GROCERYMAN, by Harold Bell Wright—The powerful and compelling figure of Dan Matthews appears again in this new story by Harold Bell Wright. The author has given a keen and critical analysis of the overwhelming changes that have entered into American life; their value or their lack of it, and the corresponding increased universal need for more religion and more religious thot in the churches and in the homes.

"God and the Groceryman" should be read, not only for the brilliant picture it presents of the conditions of a church and the experiences of its people in a typical American city, but for the story of Joe Paddock, the groceryman, Laura, his wife, their daughter Georgia and her romance with Jack Ellory, a childhood sweetheart. Sane and level-headed, the "old folks" on the farm with their practical philosophy also prove to be delightful characters.



NEVADA, by Zane Grey—Perhaps it is because of the blood of Indian Chiefs flowing in the veins of Zane Grey that he is able to write so stirringly of the West. To say the least, "Nevada" is a stirring story. "Nevada" dropped into Lineville's gambling hell one night to find a woman

dying on the floor. He did the one thing his code allowed—and killed the man. The mystery of his whereabouts during the next four dashing years makes this one of Zane Grey's finest stories.

THEY ALSO SERVE, by Peter B. Kyne—Mr. Kyne is a Californian and proud of it. He has been a soldier, a business man, a lumberman and a newspaper man. He represents all that is virile and admirable in our national fiction and our national life. You will like this story of real people.



JALNA, by Mazo de la Roche—A fascinating story woven around the Whiteoaks, an Anglo-Canadian family, who lived and still live with a kind of Victorian majesty in the Ontario wilderness. Adeline, the old grandmother, tyrannizing, dozing, musing on the past; Renny, master of the clan, with his red head and his fascination for women; Eden, poet and prodigal; Finch, the martyr; Piers, the plowman, and the rascally little Wakefield. These are some of the diverse personalities living so vigorously on that remote estate. The book "Jalna" won the Atlantic Monthly prize of \$10,000 a year ago.

Folks who appreciate good books read regularly the Book Department of Kansas Farmer. They realize that Capper is a reliable name to good books.

This department is for your service and convenience. Order any book printed from the

## CAPPER BOOK SERVICE TOPEKA, KAN.

## Sunday School Lesson

by the Rev. N. A. Mc Cune

DO YOU recollect the lines of Lanier, that American poet who could write such good things, when he said of Jesus:

Into the woods my Master went,  
Clean forspent, forspent;  
Into the woods my Master came,  
Forspent with love and shame.  
The olives, they were not blind to him,  
The little gray leaves were kind to him,  
The thorn-tree had a mind to him,  
When into the woods he came.

He went out into the woods, as Lanier calls it, or the wilderness, as the New Testament has it, for the temptation. Now, I do not think that we should imagine Jesus saying to himself, "The time has come for me to go out for the temptation, where I must stay 40 days, while Satan tempts me." Not at all. I do not suspect that he knew how long he would be there, or exactly what was going to happen. He knew that he had to think things over, had to frame a program for his future work. He knew that on this depended what he should do, and how he should do it. He knew also that there were strong currents in the popular mind pulling him in certain directions. He must decide whether to go with these currents, or to resist them. He must be alone for some time, with no one to talk to, no distracting thoughts, while he thought it out, perhaps fought it out.

Paul, you may remember, after he had experienced his conversion, went away for three years, into Arabia. Just what he did there no one knows. But it was a time of intense thought and meditation, we may be pretty sure.

Did Jesus know right from the start that he was Messiah? Was the path ahead of him so plain that he could look ahead at it, as one looks down the length of a sidewalk? Did he know what awaited him at the end? If so, how are we to explain such words, as, "And Jesus increased in wisdom and stature, and in favor with God and men?" How are we to understand the fact that he asked people questions, often, for information?

One must form his own conclusions to such questions. But the modern study of the life of Jesus favors the idea that he grew in the consciousness of what his work was to be, and that he did not know all at once, in the very beginning all about it.

In the wilderness where he went, he had to think over all the possibilities of what his future work might mean. For instance, should he use his great powers for self-preservation? Why not? Why not make some of the stones into bread, for his hunger? But no, he would not do it for at least one reason that he was not going to begin by working for his own welfare. He had come not for himself but for the good of others. So that was settled.

Next, the suggestion was to win people by a miracle. Do something amazing, unprecedented, superhuman, and he would have the world at his feet. Such an act, for instance, as leaping off the highest part of the temple and descending slowly and gracefully, unhurt. People were looking for a wonder-worker. But that, he decided, was not the way to get the consciences and hearts of men. That was the cheapest form of advertising. That was claptrap. The nine-days wonder is a nine-days wonder no more. Something deeper than that is necessary. And that was put aside, once for all.

But now comes a deeper and more insidious one. Why not win the world by its own methods? Why not skillfully, and almost without the world knowing it, taking it by surprise? Use the methods of the world, the suggestion was; do not antagonize the vested interests because that would be fatal. The interests are powerful, use them. Be energetic, of course, but use every caution to be popular, and work along the ordinary lines. Bow down and worship things as they are, and shortly the world will be at your feet. But the kingdom was to be a state of affairs different from what things are now. It can never come by capitalizing things as they are. So that was definitely put away. That was done for, for all time. And with a totally different

kind of program mapped out in his mind, Jesus returned "in the power of the spirit." A good question for discussion would be: "May I not do as I please with my own? Would Jesus have been justified in making the stones bread? He was hungry, was he not?"

Lesson for January 12—"Triumphing Over Temptation." Matt. 3:1 to 4:11.  
Golden Text—Matt. 3:17.

### Winter, and Bulls

BY E. T. WALLACE

During the spring, summer and early fall months, many dairymen allow their herd bulls to run with the herd. It is generally recognized that such a practice is neither safe nor wise, even the fresh air, sunlight and exercise are supplied in abundance. With cold weather comes a change in management. Pastures are gone. The cows are confined in the barn for protection. What to do with the bull is an important item.

The bull pen answers that question for all seasons, but there are many bulls, far too many—not kept in pens. They are, in many cases, confined in a stanchion in the cow barn or in a box stall. Such conditions necessitate constant handling of the bull, with considerable danger to the owner. Close confinement encourages viciousness, as does the approach of the fall breeding season. A lack of exercise and improper feeding encourage sluggishness and inactivity. How to handle the dairy sire during the winter months—what to feed—and how much to feed—these are the three important questions.

A good bull pen solves the handling problem completely. Bulls should not be allowed to run with the herd, especially during late fall and winter. The danger factor is greatly increased, due to the more or less confinement of the cows. Breeding dates cannot be kept and freshening time cannot be controlled. Where a safe bull pen is not available, the bull should be confined in a strong stall. If possible, he should be allowed some sort of exercise daily.

Legume hay is a good foundation for the bull's winter ration. It is high in mineral and vitamins, and is valuable for keeping heavily used bulls in condition. Ten to 20 pounds daily may be fed, depending on the age, size and condition of the bull. Only good, clean, bright hay should be fed.

Dairymen are not all agreed as to the feeding of silage to bulls. When fed in excess, particularly to heavy middle bulls, silage may cause sluggishness. It can be fed in limited amounts, 10 to 15 pounds daily, to most bulls with good results.

The grain ration will depend on the age and condition of the bull. The regular grain mixture fed to the cows is often used. A mixture of 300 pounds ground corn, 200 pounds ground oats, 200 pounds wheat bran, and 100 pounds linseed meal also may be used. The amount to feed will depend on the size and condition of the bull, and the kind of roughage fed. From 4 to 10 pounds of grain daily can be fed successfully. When roughages such as timothy hay and straw are fed, the amount of grain should be increased. Feed just enough grain to keep the bull in good thrifty condition.

Fresh water should be supplied at least once each day during the winter. Salt also should be available, either mixed with the grain or fed separately as wanted.

### For the Dairymen

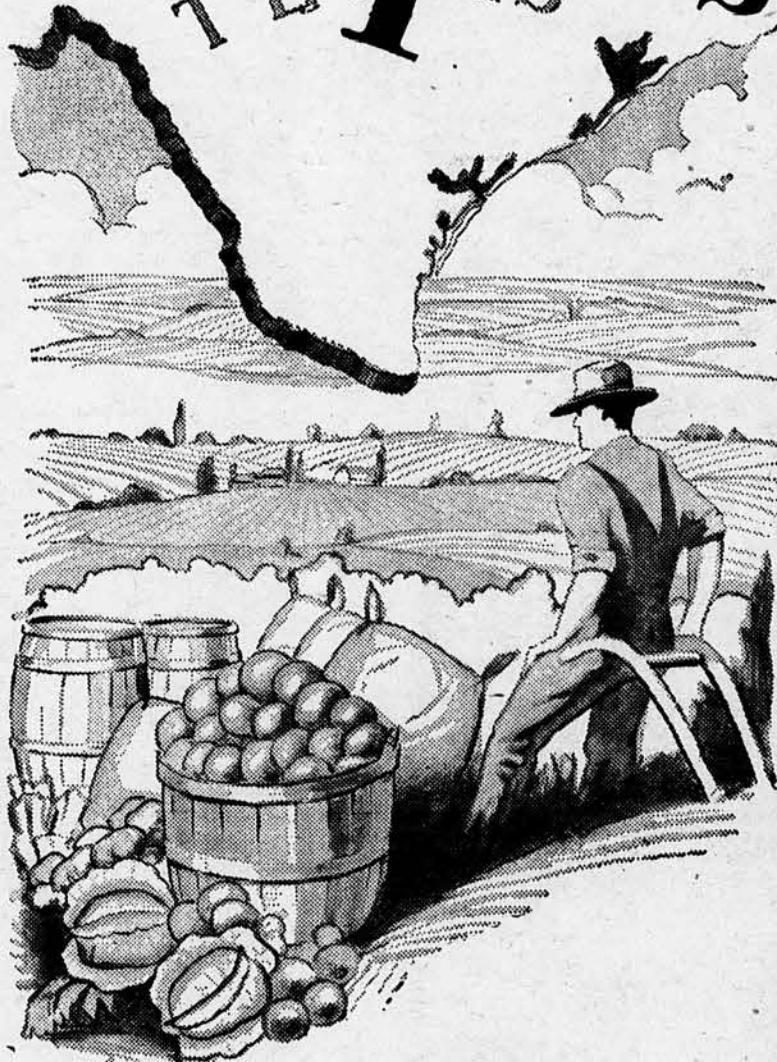
Principles of Dairy Barn Ventilation, Farmers' Bulletin No. 1,393-F, may be obtained free from the Department of Agriculture, Washington, D. C.

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Painting on the Farm, Farmers' Bulletin No. 1,452-F, may be obtained free from the Department of Agriculture, Washington, D. C.

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### W. B. COOK

Director Agricultural Development  
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# Protective Service



Membership in the Protective Service is confined to Kansas Farmer subscribers receiving mail on a Kansas rural route. Free service is given to members consisting of adjustment of claims and advice on legal, marketing, insurance and investment questions, and protection against swindlers and thieves. If you keep your subscription paid and a Protective Service sign posted, the Protective Service will pay a reward for the capture and 30 days' conviction of the thief stealing from the premises of the posted farm. Write for reward payment booklet.

## Does Your Poultry Buyer Invite Thieves? Does He Record Purchases From Strangers?

**P**OULTRY buyers in Kansas who buy poultry without keeping a record invite thieves to come to their town. Poultry thieves naturally will go to a poultry buyer who is most interested in the cheap price at which he can buy poultry from thieves. According to law, every commercial dealer in poultry is required to identify the seller of such poultry purchased by him, and to preserve for 30 days a purchase memorandum manifesting the name of the seller, the number and kind of poultry purchased, and the date of said purchase, which memoranda shall be produced and exhibited on demand of any peace officer.

Had poultry dealers in Southeastern Kansas and Northeastern Oklahoma been more careful about buying poultry from Roy Dodson, more of the poultry profits from that section of the country might have gone where they rightfully should have gone. Finally, when Dodson was captured, after having established a long record of poultry thefts, he was sentenced to the Kansas penitentiary not to exceed 10 years. Resulting from the good work started by a Chetopa produce buyer, Undersheriff Dewey Atwood and Deputy Sheriff E. L. Boggess of Hallowell, Dodson was convicted of stealing chickens from Kansas Farmer Protective Service Member W. A. Lamaster of near Hallowell. Accordingly, the \$50 Protective Service reward has been divided among these three men.

Sheriff Roscoe Rives of Edgar county, Illinois, has been paid the \$50 Protective Service reward offered for the capture and conviction of the thieves who stole an Essex sedan from the Protective Service protected

farm premises of Elmer Kemler, who lives near Basehor. Two of the three car thieves, Roy Sadler and Milo Layman, have been sentenced to two years in the United States Industrial Reformatory at Chillicothe, Ohio. The younger of the trio, John Forrest Hamilton, was fined \$300 and paroled.

H. I. Scott was sentenced to jail for stealing a hog from the farm of Protective Service Member D. H. Perrin of near Jennings. Mr. Perrin and his neighbor, Roy McAllister, were responsible for the evidence leading to the 90-day sentence. Because of their good work, they have shared in the \$25 cash reward paid for the capture and conviction of thieves who are sentenced to jail for stealing from Kansas Farmer Protective Service members.

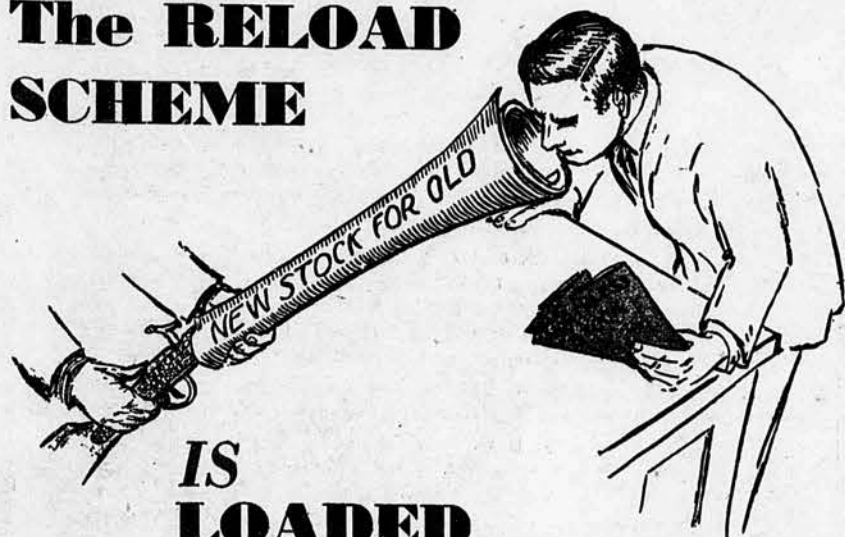
## Alfalfa Must Be Fed, Too

(Continued from Page 10)

Alfalfa the superphosphate should be applied just previous to seeding or at the time of seeding, at the rate of about 150 pounds an acre.

The application may be made with a fertilizer drill, combination fertilizer and alfalfa drill, lime sower or an old grain drill. After the first year of growth of alfalfa, the fertilizer may be applied to best advantage as a surface dressing in the spring at about the time growth starts. If an application is made annually the rate should be about 150 pounds an acre, but the rate of application may be doubled and the fertilizer applied every second year without danger of the phosphorus being leached out of the soil.

## The RELOAD SCHEME



Reliable dealers sometimes recommend additional purchases of their securities but the reloading schemes of the swindler are usually predicated on the merger appeal, the exchange of stock appeal, or the appeal based on some fictitious news that will result in the stock being worth more money.

In the merger scheme, a salesman will call and report that the company is about to be absorbed by another company which will result in the stock being worth considerably more, and as a special concession to stockholders they are permitted to buy some more stock at the old price before the price goes up. Of course, the merger never materializes.

In the exchange scheme, the salesman frankly admits that the stock his prospect holds is worth less than he paid, but offers an opportunity to recoup the loss by trading the stock for some other which is going to be worth a high price. In this trade, however, a cash difference must be paid to obtain the new stock. The new stock is just as worthless as the old and the victim is out the additional cash.

"Favorable information" is of a wide variety. Usually it is that the stock soon is to be listed on some exchange at a higher price, but frequently the salesman will vary it according to its appeal to a particular prospect. It is always fictitious. Invariably the salesman says the value of the stock will be increased but stockholders are permitted to buy a certain "allotment" of shares at the old price.

# What do you need for 1930?

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- Corn Planters
- Cotton Planters
- Peanut Planters
- Spring Tooth Cultivators
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- Grain Drills
- Deep Furrow Drills
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- Grain Binders
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- Headers
- Dump Rakes
- Side Rake and Tedders
- Tedders
- Walking Cultivators
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- Two Row Cultivators
- Disc Cultivators
- Listed Corn Cultivators
- Spring Tooth Harrows
- Hay Loaders
- Cream Separators
- Manure Spreaders
- Power Lift Tractor Plows
- Power Lift Tractor Disc Plows
- 8 1/2' Power Lift Discs

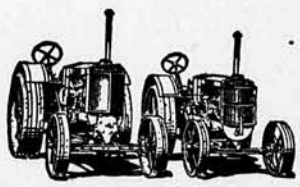
- Tractor Tandem Disc Harrows
- Tractor 2 and 3 Row Power Lift Listers
- Triplet 3 Row Listed Corn Cultivators
- Ensilage Cutters
- Rotary Hoe
- Sprayers
- Lime Sowers
- Wagons

- Towner California-Built Implements
- Rowell Hammer-Type Feed Mills
- Pulverator, "The Plow Combine"
- Windrow Harvester or Swather
- Combined Reaper-Threshers
- Pick-up for Combined Reaper-Threshers
- Wallis "Certified" 20-30 Tractors
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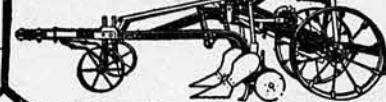
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**D**EMPSTER LISTERS point the way to greater yields and bigger profits. Specially constructed seed plates assure seeds reaching soil in perfect condition with every chance to grow. Tongue-controlled, quick-turn truck feature enables you to plant closer to the fence. Complete control from the driver's seat. Plant-

ing mechanism is simple, dependable and assures proper spacing. Specially built rims on rear wheels pack the seed furrows. Dempster Two and Three Row Listers have 16 features of superiority. Built with continuous solid steel frame. Ask your dealer to show you these machines and investigate their time and labor-saving advantages.

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# Farm Crops and Markets

## Kansas Has the Best Outlook for Wheat It Has Known Since the Winter of 1918

**T**HE outlook for winter wheat probably is the best it has been since 1918, altho here and there over Kansas some damage from freezing is reported which farmers regard as serious. A considerable amount of wheat is being moved to market. Livestock is doing well, taking the state as a whole; the unusual amount of wheat pasture has done much to put the animals in good condition. Corn husking is mostly all done, except for shock husking.

The fall pig crop of 1929, as shown by the tabulation of reports from some 65,000 farmers, was practically the same as in 1928 for the United States as a whole. In the Corn Belt states, however, the fall pig crop was about 4 per cent larger. Decreases in most regions outside the Corn Belt, but especially in the South, offset the increase in the Corn Belt. This survey was made by the United States Department of Agriculture in co-operation with the Post Office Department thru the rural mail carriers. Combining the report of the survey of last June showing change in the spring pig crop and of the December survey showing the change in the fall pig crop, the total pig crop of 1929 as reported was 6.4 per cent smaller than that of 1928 for the United States and 3 per cent smaller for the Corn Belt. These surveys, however, are of value only to the extent that changes in the pig crop shown agree with subsequent marketings. The surveys for 1927 and 1928, as checked by subsequent marketings, underindicated the total pig crop of the Corn Belt by about 4 per cent. If the 1929 surveys underindicated actual changes in the pig crop this year by the same amount, the total pig crop of the Corn Belt in 1929 was a little larger than that of 1928. Similar checks cannot be made in other regions because of the small proportion of hogs produced that go into the commercial supply.

With respect to intentions to breed for next spring, this same tabulation shows increases in the number of sows bred or to be bred to farrow in the spring of 1930 amounting to 6 per cent for the United States and 5 per cent for the Corn Belt, compared to the number of sows farrowed in the spring of 1929. In other years the number of sows reported the following June as farrowing in the spring has always been a smaller percentage of the previous spring than that shown by the breeding intentions in the spring. The present report indicates intentions shown by the present report indicate that the survey next June will show a small decrease in sows farrowing next spring. If a decrease of from 3 to 5 per cent is reported in the Corn Belt next spring and the survey report underindicates the actual farrowings as did the spring reports in 1927 and 1928, the actual number of sows farrowing in the spring of 1930 in the Corn Belt will not be greatly different from the number farrowed in the spring of 1929.

## Foreign Trade in 1929

BY WILLIAM L. COOPER

The year 1929 was a record breaker in our foreign trade, both exports and imports showing an increase over the preceding year, and reaching totals which, when adjustment is made for changes in the buying power of money, decidedly surpass any attained even during the war and the immediate post-war boom. This gratifying result was not brought about by any temporary causes. It marks the continuance of a movement practically unbroken since 1921 and 1922. This movement reflects the steadily growing efficiency of American industry in production and of American merchants in pushing sales. It also indicates the high and advancing buying power of the people with the consequent increasing demand for those raw materials and foodstuffs, many of a luxury or semi-luxury character, which our own country is unable to produce at all, or only in insufficient quantities.

Just how much the foreign trade of 1929 surpassed that of the year before is not known now. If December shows the same figures as that month did in 1928, our total exports will amount to about 5,300 million dollars, or between 3 and 4 per cent more than during the preceding year, and imports to about 4,450 million dollars, an increase of 8 per cent.

Imports have increased more than exports, therefore the balance of commodity trade in favor of the United States was somewhat less than in 1928. It was still very large, however, somewhere between 800 and 900 million dollars in value. Notwithstanding this excess of exports, there was a considerable influx of gold during the year, in sharp contrast with the large net gold export in 1928. There was, however, a net export of gold during November and December.

The gain in export trade for 1929 was confined in the main, to the first four months of the year, during which our foreign sales were nearly 300 million dollars greater than in the corresponding months of 1928. The remaining eight months showed either less increase or an actual decrease as compared with 1928.

As in most recent years the most conspicuous feature of the trade of 1929 was the expansion in the exports of the products of our factories. For the year as a whole, the foreign sales of semi-manufactured and finished manufactures, (the latter by far the larger group) were in the neighborhood of 3,250 million dollars. This means a gain of approximately 300 million dollars or 10 per cent over 1928. Year by year American manufactures have been growing in popularity in foreign markets. The total for 1929 was 80 or 90 per cent greater than that for 1922, only seven years ago, and nearly 200 per cent greater than in the average year of the immediate pre-war period, after allowing for the higher level of prices. The United States now leads the world as an exporter of factory products. Finished manufactures, which before the war represented only about three-tenths of our exports, are now half of the much larger total. The importance of this huge exportation of manufactured goods as a stabilizer of industry and employment is obviously very great.

Nearly every important class of manufactured goods was exported to a greater value in 1929 than in 1928, and for most of them the 1929 figures, when adjustment is made for the fact that prices are lower than during the war period, were the highest ever reported. As compared with the preceding year, increases appeared in our foreign sales of cotton manufactures, lumber, advanced manufactures of wood, paper manufactures, gasoline, heavy iron and steel and also the more advanced products of iron and steel, machinery, automobiles, chemicals and numerous other articles. Exportation of machinery reached the enormous total of more than 600 million dollars, making this, next to raw cotton, the largest item in the list. Machinery exports were

about 20 per cent greater in value than 1928. Exports of automobiles also reached the record total of more than 550 million dollars, with an increase of 10 per cent, notwithstanding that toward the close of the year the foreign sales were somewhat less than in the corresponding months of 1928. A high percentage of gain, namely 12 per cent, was shown by the heavy iron and steel products.

The increase in value of the exports of the products above mentioned were in all cases due chiefly, if not wholly, to larger quantities shipped. There was little or no advance in unit prices. Among the semi-manufactured commodities, however, the conspicuous increase in foreign sales of copper occurred despite some decline in the quantities sold, the unit price, under strong world demand, having risen materially.

Largely because of reduced exports of cotton and tobacco, the total value of agricultural exports in 1929 was somewhat less than in 1928. Foreign sales of foodstuffs, which, with cotton and tobacco, make up the great bulk of the agricultural exports, showed, in the aggregate, little change in 1929 as compared with 1928, some decrease in wheat and a marked decline in barley and rye being offset by increased exports of such products as corn and fruits and nuts. The gains in foreign sales of meats and lard, which appear both in quantities and values, are in gratifying contrast with the general downward tendency of other recent years.

The statistics of import trade in the last three or four years have been almost affected by price variations. Thus, in 1925 and 1926, rubber prices soared, bringing up decidedly the total value of all imports. Since that time rubber has dropped greatly in price, and notwithstanding steadily increasing quantities, the value of rubber imports has fallen off. There has been on the whole a downward tendency in the prices of other major commodities such as coffee, silk, sugar and tin. In contrast with an increase of 7 or 8 per cent in the value of imports in 1929, it is likely that the quantitative indexes, when finally worked out, will show a gain of at least one-sixth over 1928. Furthermore, while the value of imports in 1929 was approximately the same as in 1928, the quantities imported were very much larger.

Many leading imports into the United States made a record in 1929 as regards quantity. This was true of such major items as silk, cocoa, rubber, tin, unrefined copper and newspaper paper, as well as of many others. Rubber purchases reached the huge total of more than 1 1/2 billion pounds, an increase of 25 or 30 per cent, as compared with 1928. For several of these important items, notably cocoa, rubber, paper and tin, the percentage of increase in value as compared with 1928 was less than in quantity. The high buying power of the United States is indicated by the fact that it takes approximately seven tenths of the total commercial silk supply of the world and that furs, which showed an increase of about 8 per cent as compared with 1928, ranked sixth among our imports of last year. Particularly high percentages of increase were shown in the imports of unrefined copper, for further treatment by American factories, as well as in the imports of the less important items of refined copper itself. Our imports of copper represent to a large extent the production of mines controlled by American capital, and they make possible the maintenance of our great export trade in refined copper.

Price movements had little or no effect in the case of finished manufactures, which reached record totals. The increasing purchases of advanced manufactured goods, which have been possible by reason of the prosperity of the country, have been an important factor in the recovery of European industry. A large proportion of the manufactures imported are specialties, particularly such as involve much hand labor.

It is as yet too soon to make a precise statement as to the change in the geographic distribution of our trade in 1929 as compared with the preceding year. Figures for 10 months show an increase in the value of exports to all six of the continents, with the highest percentage of gain in shipments to South America. Sales to our northern neighbors, Canada, increased very greatly. Those to Cuba and Mexico showed a substantial increase during 1929, as against declines in several earlier years. Imports from all the continents were also greater in 1929 than the year before, and there was no very conspicuous difference in the relative percentages. As usual, our exports to Europe, North America, Oceania, and Africa were greater than our imports from those continents, while the balance of trade was greatly against this country in the commerce with Asia, and against it to a very considerable amount in the commerce with South America, considered as a whole.

## Less Demand for Butter

BY C. R. ARNOLD

During recent months a great deal of interest has been centered in the apparent slump in the butter markets, and many folks are wondering about the cause for the drop in butter prices. During the last two months we have had the most radical decline in butter prices that has occurred during this season for many years, at least since the war. Butter prices have been fairly good most of the time since then, and dairymen as a whole have not suffered so heavily in the agricultural depression during the last 10 years as have farmers in many other sections. However, because of the relatively good price which has been received for most dairy products, there has naturally been a tendency to increase our production during the last few years. Altho no one knows what is ahead of us, an analysis of the present butter situation should give us an explanation of the reasons and the best indication of what might be ahead.

Butter prices in the United States are now around 8 or 10 cents lower than a year ago. Creamery butter production in the United States has been increasing for several years; and during the first 10 months of this year, or up until the first of November, was about 22 million pounds higher than during the same 10 months of 1928. This 22 million pounds would be an increase of about 2 per cent over our production of butter during the same period last year.

If our consumption of butter would have increased in the same proportion during the last few years as the production has increased, there probably would not be any change in our present situation. However, this has not been true. In fact, our consumption is showing signs of declining, and as a result, our storage supplies have been getting larger. On December 1, 1929, we had about 112 million pounds of creamery butter in cold storage. This is extremely high, as we had only about 71 million pounds on hand a year ago at this same date, and during the last five years our average cold storage holdings on the first of December have been about 75 million pounds.

Thus you see our cold storage holdings of butter at the present time are just about 50 per cent higher than average for this date,

# End SMUT Losses on Your Oats Crop with Ceresan

## Dust Treatment Harmless to Seed Improves Quality Increases Yields



Smut inflicts tremendous losses on oats yields each year. Recent field counts show that damage to a fifth of the crop is not unusual. Losses are frequently even more severe. In 1928, Iowa farmers lost 18,000,000 bushels of oats because of smut. In 1929, according to state and federal authorities, oats smut caused more than normal damage in Kansas, Iowa, Minnesota, Missouri and Wisconsin. Seed oats are generally subject to smut. Even the best seed can be contaminated by smut spores from bins or sacks. But you can control smut and end yield losses by taking one precaution before you plant. Treat your seed oats the safe, effective way with Du Bay Ceresan.

## Ceresan Increases Yields

Ceresan does more than improve the quality of your crop. It increases oats yields. The Illinois Agricultural Experiment Station reported that Ceresan gave perfect smut control, increasing the yield on smutty 60-Day Oats by 13.8 bushels per acre, and on smutty Big 4 Oats by 19.1 bushels per acre. These increases were double those obtained by formaldehyde treatment of seed.

## Ceresan for All Seed Grains

The January, 1929 issue of *Phytopathology* says: "Ethyl mercury chloride sold in the United States under the trade name Ceresan has given satisfactory results in controlling stinking smut of wheat, covered smut and stripe of barley, loose smut of Tennessee winter barley, the smuts of oats and covered kernel smut of sorghum." Ceresan is also recommended for the control of certain seed-borne diseases of cotton.

## Easy, Low-Cost Treatment

Ceresan is economical and easy to use. Only 3 ounces required per bushel of seed oats, barley or cotton; 2 ounces per bushel of seed wheat, rye, millet or sorghum. Just mix it thoroughly with your seed by the simple dusting process. Its low cost is returned many times over by improved quality and increase in yield. Seed may be treated a month before planting and safely stored. Ask your dealer today for our free Ceresan pamphlet, or clip and mail the convenient coupon below.

## Ceresan Harmless to Germination

When liquid formaldehyde treatment is used for seed oats, considerably more seed per acre usually must be sown because of injury to germination. In addition, other injury may occur by freezing, heating or sprouting. The new Ceresan dust treatment puts an end to such risks. It is deadly to both loose and covered smut spores, but harmless to seed oats.

## Excellent Control of Smut

In Wisconsin, Ceresan has given very good control of oats smuts as reported by Circular 133. According to the *Plant Disease Reporter* for August 1929, dust treatment with Ceresan gave "good control" of oats smut in Iowa; and in Kansas, Ceresan dust treatments gave "excellent control" of oats smuts.



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and the highest on record for this date—which means that either we have had an extremely high production or a very low consumption, or both. It happens in this case we have had both. Our production of butter has been about 22 million pounds larger than last year and apparently our consumption has been about 20 million pounds less than during the same 10 months of last year. Thus if we add together our increased production of about 2 per cent and our decreased consumption of about 2 per cent, there is only one answer, and that is, that our supply on hand is extremely large. This increased production of butter has unquestionably been the result of our rather favorable prices for the last few years, when many farmers have been encouraged to keep more heifers and increase the size of their dairy herds.

This has been the reason dairy cows have demanded such a high price the last few years. Also, feed and pasture conditions have considerable influence on the amount of dairy products produced in any single year. The decreased consumption this year probably is just as important as a high production. It seems to be generally understood that business conditions are not so good as they were at this time last year. Whenever more people are out of work and the purchasing power of consumers is reduced, there is a tendency of them to cut down expenses in the easiest place. When wages are good and people are well employed, butter consumption usually runs high, but as soon as they begin to look for methods of cutting expenses, there is a tendency for them to use more butter substitutes and less butter. It is rather interesting to note that the production of butter substitutes has increased during the present year in about the same amount as the consumption of butter has declined.

The effect of supply and demand in the United States upon the price of butter is a little bit different than on certain other commodities. During the last few years we have not been producing enough butter in the United States to supply our need. As a result, some butter has been imported almost every year, and the price of butter in this country has been running from 8 to 10 cents higher than on the London market, as we have been receiving the benefit of the tariff.

However, during the first 10 months of this year, our increased production and decreased consumption of butter for this country have apparently placed us on a butter export basis for the first time for several years. During the first 10 months of this year, our exports of butter have been about 735,000 pounds above our imports, while a year ago during the same period our imports were about 620,000 pounds greater than our exports. If this surplus of butter places us on an export basis, we cannot expect to receive the price advantage of foreign markets, which we have been receiving in the past on account of our tariff.

Two weeks ago the average wholesale price of 92-score butter in New York City was 43.5 cents, while the price of Danish butter in London was 39 1/2 cents. In other words, the price of our butter was 4 cents higher than the London price of Danish butter. A year ago on this same date, the New York price was 52 cents and the London price 44 cents, or a difference of 8 cents a pound. Two years ago there was a difference of 12 cents a pound in favor of the New York price. In fact, the price of Danish butter in London is now only 3 cents lower than two years ago, while the price of butter in New York is 10 cents lower than at that time. This means that we can lay much of the cause for our recent slump in butter prices and our present low price to the surplus within our own country, and the fact that we are not receiving the benefit from the tariff on butter which we were securing last year or two years ago.

It seems that our butter prices are too low, but with our present cold storage holdings 50 per cent above average and the possibility that we are on a higher production plane than a few years ago and possibly an export basis, it seems rather doubtful if butter prices will go back to a high level for sometime to come. We have been very near a self-sufficing basis for butter products for some time, and either an increase in production or a decrease in consumption could easily place us on an export basis.

**Allen**—This county has a good deal of low-grade corn and kafir. Kafir yields, however, were better than expected. Feed is unusually cheap and is plentiful. Less than the usual amount of concentrates is being used this year.—Guy M. Tredway.

**Barton**—A good deal of threshing and corn husking has been done recently. The weather recently has been quite favorable. Wheat, \$1.09; corn, 70c; cream, 30c; old roosters, 10c; heavy hens, 16c; eggs, 35c, 32c and 25c.—Alice Everett.

**Cheyenne**—The weather has been favorable for corn husking recently, and fine progress has been made with this job. Bean threshing is finished; the crop was damaged considerably by wet weather. The prices of farm products apparently are on an upward trend.—F. M. Hurlock.

**Cloud**—Horses and cattle are in the stalk fields, and are doing well. Feed probably will be scarce before grass comes. Egg production is increasing. Young hogs are doing well. There is an increasing interest here in poultry production, which is a fine sign in the agricultural progress of the county. Only a few public sales are being held; livestock, and especially cattle, sell at attractive prices.—W. H. Plumly.

**Coffey**—We have been having fine weather, following the cold period of middle December. Corn husking is about finished. Kafir is being topped and threshed. Many public sales are being held; everything moves at good prices. No land is changing hands. Livestock is doing well, and there is plenty of feed. Corn, 65c; eggs, 38c; heavy hens, 18c; hay, \$8.50.—Mrs. M. L. Griffin.

**Edwards**—We have been having some fine winter weather, and farmers have been quite busy shelling corn. Corn yields are quite satisfactory. Cattle and horses are on wheat pasture, and are doing well. Horse buyers are active and are trying to buy horses cheap—they are not finding many good horses in the county, however, as they have been sold in past years. Wheat, \$1.10; corn, 70c; barley, 50c; cream, 43c; eggs, 32c.—W. E. Fravel.

**Graham**—Corn husking is completed; yields were light in some communities. Wheat is going thru the winter in excellent condition. Livestock is wintering well. Not many public sales are being held. Farm help is plentiful. Wheat, \$1.05; corn, 68c; eggs, \$8.70; cream, 32c; eggs, 35c.—C. F. Welt.

**Greenwood**—Good progress has been made with kafir heading, and some threshing has been done. Fairly satisfactory yields are reported. No road work is being done. Feed is not in very good condition, and there is little demand for it. A good rain would be helpful in various ways, and especially to supply stock water. Eggs, 43c; cream, 31c; corn, 85c; bran, \$1.60.—A. H. Brothers.

**Jackson**—We have been having some fine winter weather, and the roads have been in excellent condition. There is a better demand for stock hogs. Hogs, 10c; corn, 70c; wheat, \$1.23; hens, 18c; cream, 33c; No. 1 eggs, 40c.—Mrs. W. W. Cochran.

**Jefferson**—We have had no snows this winter of more than 1 inch; wells are low. Livestock is doing well. Corn husking is almost completed. Implements, cattle, hogs and feed bring good prices at farm sales; there is little demand for horses. A terracing demonstration was held here recently by the Farm Bureau and it attracted considerable attention.—J. J. Blevins.

**Johnson**—Farmers have been busy getting up wood, husking corn and butchering. Some folks

are baling hay or straw. Roads are in fine condition. A case of tularemia has been reported in this locality, and enthusiasm for the eating of rabbits has declined considerably. The folks in this locality are much interested in a fair settlement of the "milk question" between the producers of this section and the distributors. Eggs, 37c; hens, 21c; butter, 30c to 45c.—Mrs. Bertha Bell Whitelaw.

**Lane**—A rain would be helpful to the wheat. Livestock is doing well; large numbers of cattle owned elsewhere are being wintered in the county. A few farmers are still doing some threshing.—A. R. Bentley.

**Lyon**—Most of the corn has been husked; yields were fairly good. Not much ground has been plowed. The cold weather has put a stop to the growth of wheat. Roads are in good condition, and there is a great deal of travel. Farmers are busy feeding stock and sawing fuel.—E. R. Griffith.

**Marshall**—The weather has been favorable recently for farm work. High prices are being paid at public sales for everything except horses, cream, 30c; corn, 70c; wheat, \$1.05; eggs, 40c; oats, 45c; potatoes, \$1.50; millet, \$2.—J. D. Stosz.

**Ness**—We have been having nice weather for this season. Roads are in good condition. Wheat is making a fine growth. Livestock is doing well this winter.—James McHill.

**Osborne**—We have had some fine winter weather. Livestock is doing well. Egg production is much better. A good deal of kafir has been threshed here recently. Kafir, 56c; wheat, \$1.05; ear corn, 60c; eggs, 32c; stock hogs, \$8.30.—Roy Haworth.

**Ottawa**—We have been having nice weather recently. Corn husking is completed. The "combing" of kafir is the main job. There is plenty of feed, and livestock is doing well. Roads are in good condition. Wheat, \$1.05; corn, 68c; cream, 34c; eggs, 38c.—A. A. Tenyson.

**Pawnee**—Business has been good in this section; the retail trade, for example, has been especially satisfactory to the merchants. There is plenty of wheat pasture, and an abundance of feed in general. The cheese plant has been working two shifts. Roads are in good condition. A considerable mileage of roads has been graded here in the last year; there is an abundance of good road building material along the Arkansas River. Two oil wells are being drilled. Larned has an ample supply of gas for fuel this winter.—E. H. Gore.

**Republic**—We have been having some ideal winter weather, which has been very helpful

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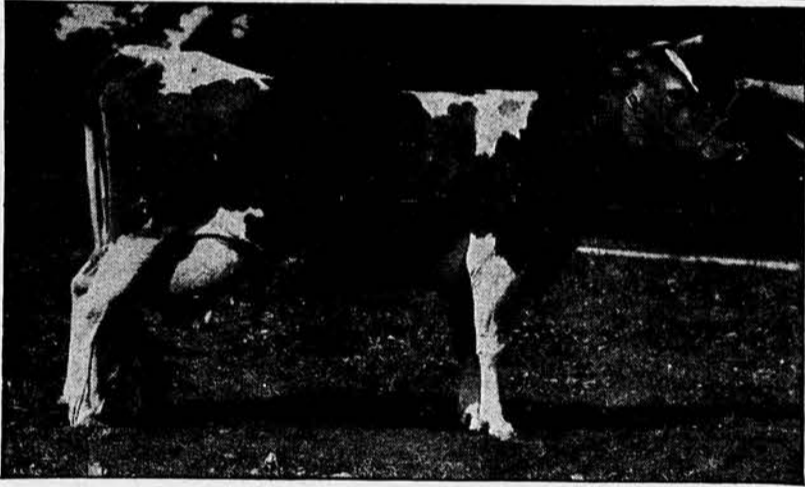
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with the farm work. Good progress has been made with corn husking. Corn yields are light except on the bottoms. Egg production is light; cows, however, are doing better with milk production. Farmers have been doing their winter butchering. Butterfat, 34c; eggs, 22c, 32c and 38c; wheat, \$1.08; corn, 64c; oats, 45c.—Mrs. Chester Woodka.

**Rush**—Winter wheat is dormant, but the plants are in splendid condition. The crop is being pastured extensively. Corn husking is finished. Rapid progress is being made in the threshing of the grain sorghums. Wheat, \$1.08; eggs, 32c; butterfat, 30c.—William Crotinger.

**Summer**—Wheat prospects are poor; the crop was injured somewhat by the recent hard freeze. There is no wheat pasture. Corn is all husked. Roads are in fine condition. Wheat, \$1.08; oats, 50c; corn, 80c; potatoes, \$1.60; eggs, 35c; butterfat, 35c; hens, 16c.—E. L. Stocking.

**Stanton**—Mild weather recently has given farmers a chance to catch up with their work. Livestock is doing well. Corn husking is finished; threshing and corn shelling are the main farm jobs. There is some soft corn here this year. Corn, 65c; milo, 95c a cwt.; kafir, 90c a cwt.; wheat, \$1.03; butterfat, 30c; eggs, 35c, 30c and 29c.—R. L. Creamer.

**Stevens**—We have had some warm weather recently, and wheat has made quite a growth; the crop is in splendid condition. Most of the kafir and milo has been gathered. A good deal of corn is yet to be gathered; some of it must wait until spring. There are four producing gas wells in the section. Practically no public sales are being held. Corn, 85c; milo, 1c a lb.; butterfat, 32c.—Monroe Traver.

**Wallace**—December was an ideal month, with the exception of a few cold days toward the end, which did not delay farm work any. There is a great deal of corn yet to be gathered and considerable feed to be stacked. Some hog cholera is reported in the northern and central parts of the county. A great deal of corn is being shelled.—Everett Hughes.

**Washington**—We have been having ideal weather for the last week; the roads are in fine condition. Corn has all been husked; the yield was not very good. Farmers are busy doing chores, hauling feed, cutting wood and shelling corn. Eggs, 35c; butterfat, 30c; corn, 75c.—Ralph B. Cole.

### Business Farmer Is Here

(Continued from Page 3)

mercial ration and some molasses at night and the same ration early in the morning. Perhaps they do not eat much the first day or two, but about the third night and morning they make a bee-line for the feed trough. That is all of the training necessary. My object in handling the calves in this manner is to make sure that all of them are eating and will have an equal chance of developing. I'll admit this is more work than having the creep in the pasture—and perhaps it isn't what is known as true creep-feeding. But it works in a very satisfactory way for me. This method enables me to be sure that every calf is getting the best possible start, and I feel that the extra work is good profit insurance. I am satisfied this early feeding is responsible for an extra 200 pounds to the calf at market time; it is responsible for my success in producing market-toppers."

In the department of legumes Mr. Green has found that alfalfa is the greatest soil builder, with clovers and soybeans running a close second. "Alfalfa, I think, is the greatest medium of soil building," he said. "The clovers and soybeans come next, as they make excellent pasture for lambs and hogs in the fall. I like to sow Sweet clover and Red clover and plow them

under." He will average something like 80 to 90 acres of beans in the corn, 50 acres of alfalfa, 20 acres of Red clover and 15 acres of Sweet clover. About 30 acres of legumes are plowed under each year. The entire cultivated acreage, of course, feels the benefit of the legumes in the rotation, which includes oats one year, wheat the same length of time, then corn, with the clovers sown with wheat and oats, and the beans in with the corn. This soil building program doesn't end here, however, because Mr. Green sees to it that his livestock is out on the land as much as possible.

"I am very enthusiastic over Sweet clover," he assured. "I have used it three years and will see to it that this legume, along with Red clover, goes all over the farm. I would like to show you what it did for my wheat. I sow it with the small grain, never deviating from this plan. When I can increase my wheat yield as much as 10 bushels an acre on my poorest land under this management, it is sufficient proof that Sweet clover should have a permanent place in my program. Not only is this fertility helping yields at present, but it is storing up even larger returns for my labor and investment in the future. Soybeans have done a great deal for my land and they fit in well with my farming operations. I am sure my corn yields are 10 bushels an acre better than when I started here eight years ago. A year ago, for example, I had an average of 55 bushels on 110 acres. Beans were in 90 acres."

Considerable importance is placed on the sheep project on this farm. Mr. Green is "strong for the wools," and admits that he doesn't know how he would get along without them. They are responsible for keeping the farm clean, adding considerable fertility to the soil and turning feed into cash with a good net profit. This business farmer keeps 75 to 100 head of ewes and buys lambs. A year ago he had 1,000 head, lambs and all. He buys in the fall so they can harvest the soybeans and some of the corn. "I buy in August and September and turn the lambs in the corn and beans in September," Green said. "I usually have them on hand 75 to 100 days, and this usually puts 20 to 25 pounds on them. I never lose more than about 1 per cent of the lambs. I turn them in the corn fields and they do a good job of gathering the beans. They don't touch the corn until after the beans and other green stuff are gone. This, I have found, cuts the corn consumption 50 per cent. I husk half a crop of corn after the lambs are gone, and then I turn



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### Cash for Poultry Experiences

**THE** annual poultry issue of Kansas Farmer, February 1, will be packed with the very best personal experience articles available. To make this possible, your help is invited. What have been your successes and your problems? What phase of the poultry business interests you most? Where have you found the greatest profit? During the last year have you been able to cut costs? Have you improved your methods of feeding and care in a way that shows better results? Have proper housing facilities proved profitable?

Problems you have met and solved, explained thru the big poultry issue, undoubtedly will help some of your fellow farmers; and perhaps theirs will prove valuable to you. There is plenty of room for poultry development in the state in which more farmers may find a profit.

In addition to an inspirational visit generally with poultry folks thru Kansas Farmer, you will have numerous cash prizes for which to work. There will be four interesting contests that will dig into many angles of the poultry world, and cash prizes are offered in each section:

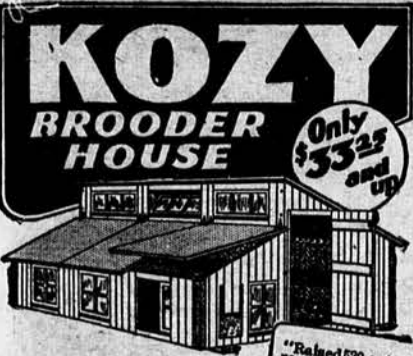
**Handling the Farm Flock**—Please tell us briefly how you make your flock pay, what breed you like best, about your biggest problems and the way you solved them, how you have cut costs and increased profits and anything else along this line you wish to add. No one can tell your story better than you. For the best letter, Kansas Farmer will pay \$10, a second prize of \$5, and for third, \$3.

**Incubators and Brooders**—What have these meant to you in your success with poultry? Are they indispensable, profitable, economical to operate? Do they pay for themselves? Prizes offered in this contest are: First, \$10; second, \$5; and third, \$3.

**Day Old Chicks**—Which has proved more profitable for you: Buying day-old chicks, purchasing started chicks or hatching them on the farm? Please give your reasons for your decision. Prizes offered in this contest are: First, \$10; second, \$5 and third, \$3.

**Turkeys, Ducks and Geese**—What success have you found with these birds? They mean profit for some folks and worry for others. Tell Kansas Farmer about your success with any of the three, or all of them, and how you have made them pay. Prizes in this contest are: First, \$10; second, \$5; and third, \$3.

**Closing Date of Contest**—All letters should reach "The Poultry Contest Editor, Kansas Farmer, Topeka," please, not later than January 15.



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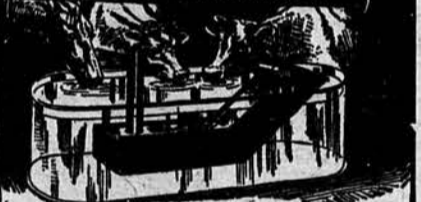
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Dept. F-13 Exira, Iowa

Please send, free and postpaid, copy of KOZY catalog and new, low prices.

Name \_\_\_\_\_  
Town \_\_\_\_\_  
State \_\_\_\_\_ R. F. D. \_\_\_\_\_

**Empire Oil-Burning Tank Heater**



Greatest improvement ever made in tank heaters. Fits any tank. Burns 14 to 18 hours on one gallon of kerosene. No sparks, fumes or smoke. Heating chamber entirely under water; no heat wasted. Guaranteed. Saves fuel—pays for itself repeatedly.

**EMPIRE NON-FREEZABLE HOG WATERER**  
Heavy galvanized iron—70 gallon capacity. Oil burner directly under trough—warms water. Keeps water warm at all times. Keeps hogs healthy—faster fatter on the same feed.

**FARMER AGENTS**  
We also manufacture in every locality. Special offer to farmers willing to show Empire Tank Heater to prospective buyers. Write at once for price and special offer. Buy direct from factory.

Empire Tank Heater Co.  
103 N. 7th St., Washington, Ia.

**MAKES SAWING EASIER**



A hard job made easy. Our Rolling Feeder and All-Steel frame takes the labor out of wood sawing. Hundreds of satisfied users say the Buller Coupler is the best. Made for front end of logging tractors, also four stationary sizes. Low prices on Atkins saw blades. Special discount allowed where we have no dealer. Write for FREE Catalog.

**BULLER COUPLER CO., Dept. A Hillsboro, Kansas**

**Ground Limestone**  
For Agricultural Purposes

Write for prices and FREE sample  
**DOLESE BROS. COMPANY**  
220 W. 2nd St., Wichita, Kansas.  
Plant: El Dorado, Kansas.

**Do You Know That—**

you have not read all the paper until you have looked over all the classified advertisements?

in a bunch of hogs I have purchased to finish the job.

"While the lambs are cleaning up the beans I feel that they need some dry feed. In addition they get some oats, commercial feed and molasses." This whole system is centered on producing crops in the most efficient manner, marketing them with the least lost motion and maintaining in the soil sufficient plant foods and fertility to assure proper development of succeeding crops. On this farm we find that Sweet clover, contour plowing and dams keep fertility from washing away. Plowing is the rule with no listing, so that everything goes under to help save the valuable soil. Bugs and pests come to a violent end when fence rows are burned and rodents cease their mischief due to indigestion caused by poisons that have been found effective.

Now you have the story except for one important point. And perhaps herein lies the reason for most of the meetings in which city business men declare their views regarding what's wrong with the farmers. This point concerns marketing — you probably had guessed it. The "word visit" to Mr. Green's farm certainly proves the part that real business ability plays up to this present question of marketing.

Well, Mr. Green goes all the way. He studies the markets and uses information obtained in this manner as a guide in his purchasing and selling; long-range market forecasts and his experience guide his livestock production program. He belongs to a co-operative marketing and buying association, sells certified seed, and markets eggs, cream and wheat on a grade basis. Already we have told you that he considers the needs of his livestock for feed in planning the crops to be planted; all of the crops produced on the farm, except a little wheat, are marketed to good advantage thru livestock.

**WIBW Is Eager To Please**

(Continued from Page 8)

- 9:30 p. m.—National Forum from Washington (CBS)
- 10:00 p. m.—Tomorrow's News
- 10:05 p. m.—Dream Boat (CBS)
- 10:30 p. m.—Hotel Paramount Orchestra (CBS)

**FRIDAY, JANUARY 17**

- 6:00 a. m.—Alarm Clock Club
- 6:45 a. m.—USDA Farm Notes, news, time weather
- 7:00 a. m.—Morning Organ Revellie (CBS)
- 7:30 a. m.—Morning Devotionals
- 7:55 a. m.—Time, news, weather
- 8:00 a. m.—Housewives' Musical KSAC
- 8:40 a. m.—Markets, KSAC
- 9:00 a. m.—Early Markets
- 9:05 a. m.—Request Musical Program
- 10:00 a. m.—Housewives' Half Hour KSAC
- 10:30 a. m.—The Week Enders (CBS)
- 10:45 a. m.—WIBW—Harmony Twins
- 11:00 a. m.—Women's Forum
- 11:15 a. m.—The Polynesian
- 11:45 a. m.—Complete Market Reports
- 12:00 m.—Columbia Farm Program (CBS)
- 12:25 p. m.—State Vocational Department
- 12:30 p. m.—Noonday Program KSAC
- 1:30 p. m.—Ann Leaf at the Organ (CBS)
- 2:00 p. m.—Columbia Ensemble (CBS)
- 2:30 p. m.—For Your Information (CBS)
- 3:00 p. m.—The Letter Box
- 3:10 p. m.—Leo and Bill, the Harmony Boys
- 3:30 p. m.—U. S. Navy Band (CBS)
- 4:00 p. m.—The Melody Master
- 4:30 p. m.—Matinee KSAC
- 5:00 p. m.—Markets KSAC
- 5:30 p. m.—Uncle Dave's Children's Club
- 6:00 p. m.—Daily Capital Radio Extra
- 6:10 p. m.—Hotel Paramount Orchestra (CBS)
- 6:30 p. m.—Vierra's Hawaiians from Pennant Cafeteria
- 7:00 p. m.—Brown Bilt Footlites (CBS)
- 7:30 p. m.—KSAC—A & M Basketball Game KSAC
- 9:00 p. m.—Master Farmer Presentation, Jayhawk Hotel
- 10:00 p. m.—Tomorrow's News
- 10:05 p. m.—Weede Myers Orchestra (CBS)
- 10:30 p. m.—Benn Pollack and His Silver Slipper Orchestra
- 11:00 p. m.—Boyd Shreffler and His Oklahoma Revelers

**SATURDAY, JANUARY 18**

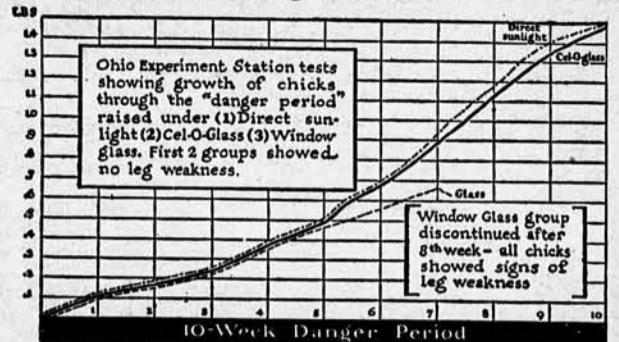
- 6:00 a. m.—Alarm Clock Club
- 6:45 a. m.—USDA Farm Notes, news, time weather
- 7:00 a. m.—Morning Organ Revellie (CBS)
- 7:30 a. m.—Morning Devotionals
- 7:55 a. m.—Time, news, weather
- 8:00 a. m.—Morning Musical KSAC
- 8:40 a. m.—Health Period KSAC
- 9:00 a. m.—Early Markets
- 9:05 a. m.—Musical Request Program
- 10:00 a. m.—U. S. Army Band (CBS)
- 10:45 a. m.—WIBW—Harmony Twins
- 11:00 a. m.—Women's Forum
- 11:15 a. m.—The Polynesian
- 11:45 a. m.—Complete Market Reports
- 12:00 m.—Columbia Farm Program (CBS)
- 12:25 p. m.—State Vocational Department
- 12:30 p. m.—Noonday Program KSAC
- 1:30 p. m.—Patterns in Prints (CBS)
- 2:00 p. m.—Columbia Ensemble (CBS)
- 2:30 p. m.—For Your Information (CBS)
- 3:00 p. m.—The Letter Box
- 3:10 p. m.—WIBW—Harmony Twins
- 3:30 p. m.—Ann Leaf at the Organ (CBS)
- 4:00 p. m.—The Master of Melody
- 4:30 p. m.—Club Plaza Orchestra (CBS)
- 5:00 p. m.—Musical Vespers (CBS)
- 5:30 p. m.—Uncle Dave's Children's Club
- 6:00 p. m.—Daily Capital Radio Extra
- 6:10 p. m.—Commodore Ensemble (CBS)
- 7:00 p. m.—Vierra's Royal Hawaiians from Pennant Cafeteria
- 7:30 p. m.—The Sod Busters
- 8:00 p. m.—Nit Wit Hour (CBS)
- 8:30 p. m.—The Polynesian
- 9:00 p. m.—Paramount Public Hour (CBS)
- 10:00 p. m.—Tomorrow's News
- 10:05 p. m.—Guy Lombardo and His Royal Canadians (CBS)
- 10:30 p. m.—Hotel Paramount Orchestra (CBS)



Health Brooder saved 95% of chicks. Blue print free.



The first 10 weeks are the danger period for chicks  
Bring them through with CEL-O-GLASS



**Fewer chick deaths, faster growth with CEL-O-GLASS Health Brooders**

Now bring more chicks through the "Danger Period" than you ever have before.

With CEL-O-GLASS all your chick brooding can be done indoors. Your chicks get all the benefits of outdoors with none of the dangers. You prevent such outdoor dangers as coccidiosis, worm infestation, deaths due to chilling, drowning and crowding. Indoor brooding with CEL-O-GLASS saves you the constant worry and attention associated with brooding during the windy, muddy, rainy months of early spring.

CEL-O-GLASS floods your brooder house with life-giving ultra-violet rays of sunlight which cannot penetrate ordinary glass, soiled muslin or other soiled cloth curtains. These rays promote the building of bone and body tissue, kill bacteria, prevent leg weakness, and check disease. They cause the chick's blood to manufacture Vitamin D without any additions to a normal diet.

Experiment Stations and thousands of farmers everywhere are getting remarkable results with CEL-O-GLASS.

You, too, can do the same thing. Just remove the glass or soiled cloth curtains from the front of your brooder and install CEL-O-GLASS frames.

If you're planning to build a new brooder, write us for blue prints. They're free. Mail the coupon below.

CEL-O-GLASS also prevents stiff legs in swine, brings disinfecting sunlight into dairy barns, eliminates bad weather breakage on cold frames, etc.

With the proper care CEL-O-GLASS lasts for years. The full story is told in this valuable 64-page book, "Health on the Farm." Write for it or check the coupon.

CEL-O-GLASS in 28" and 36" widths can be bought at hardware, lumber, seed and feed dealers in any quantity. If your local dealers cannot supply you, please write Acetol Products, Inc., 21 Spruce Street, New York.

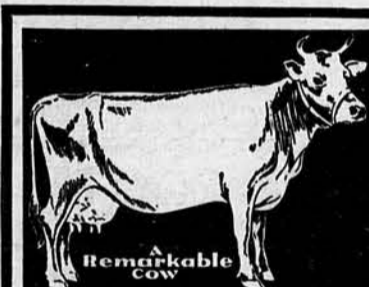
**CEL-O-GLASS**

Made on a wire mesh base. Look for the name on the salvage.

Acetol Products, Inc., Dept. 1501, 21 Spruce St., New York City  
Gentlemen: Please send me your free book, "Health on the Farm." Also send free the blue print (s) checked:

Name \_\_\_\_\_  
Address R. F. D. \_\_\_\_\_  
Town \_\_\_\_\_ State \_\_\_\_\_

Brooder House  
 Laying House  
 Hog House  
 Cold Frames  
 Back Porches



**35 Quarts of Milk a Day**

was average produced by this Jersey cow during the month of June. Read the marvelous record! It all goes to prove what good care, good feed and a good mineral tonic will do for your dairy cows. Majesty Fern Queen, the Dairy Queen of Alabama, is fed regularly with—

**Dr. LeGear's Stock Powders**  
—MINERALIZED—

Contains mineral and vegetable ingredients scientifically compounded to produce an effective tonic, appetizer, conditioner and regulator for cows and other farm animals.

**Free Book Dr. LeGear Offers Guaranteed Results**

This coupon good for Dr. LeGear's "Care and Treatment of Stock and Poultry," 128 pages; 205 subjects; 59 illustrations. A valuable scientific treatise on dairy cows, horses, hogs, sheep and poultry. (Usual price 50c). Take coupon to your local dealer. If he does not have book, send coupon with 10c to pay postage and mailing to Dr. L. D. LeGear, V.S., 4120 Beck Ave., St. Louis, Mo.

Get from your dealer enough of Dr. LeGear's Stock Powders to make a sixty-day test. Mix regularly with any feed. If not satisfied with results at end of sixty-day trial, your dealer will cheerfully refund every cent paid. Your decision accepted without question.

**Dr. L. D. LeGear, V.S.**  
Graduate Ontario Veterinary College, 1892. Thirty-eight years of veterinary practice. Eminent authority on diseases of poultry and stock. Nationally known poultry expert and breeder. Noted author and lecturer.

Your Name \_\_\_\_\_  
Your Address \_\_\_\_\_



# Our FARMERS MARKET Place

Sell thru our Farmers' Market and turn your surplus into profits

**RATES:** 8 cents a word if ordered for four or more consecutive issues, 10 cents a word each in minimum. Count abbreviations and initials as words, and your name and address as part of the advertisement. When display headings, illustrations, and white space are used, charges will be based on 70 cents an agate line; 5 line minimum, 2 column by 150 line maximum. No discount for repeated insertion. Display advertisements on this page are available only for the following classifications: poultry, baby chicks, pet stock, and farm lands. Copy must reach Topeka by Saturday preceding date of publication.  
**REMITTANCE MUST ACCOMPANY YOUR ORDER**

Buy thru our Farmers' Market and save money on your farm products purchases

**TABLE OF RATES**

Words	One time	Four times	Words	One time	Four times
10	\$1.00	\$3.20	26	\$2.60	\$8.32
11	1.10	3.52	27	2.70	8.64
12	1.20	3.84	28	2.80	8.96
13	1.30	4.16	29	2.90	9.28
14	1.40	4.48	30	3.00	9.60
15	1.50	4.80	31	3.10	9.92
16	1.60	5.12	32	3.20	10.24
17	1.70	5.44	33	3.30	10.56
18	1.80	5.76	34	3.40	10.88
19	1.90	6.08	35	3.50	11.20
20	2.00	6.40	36	3.60	11.52
21	2.10	6.72	37	3.70	11.84
22	2.20	7.04	38	3.80	12.16
23	2.30	7.36	39	3.90	12.48
24	2.40	7.68	40	4.00	12.80
25	2.50	8.00	41	4.10	13.12

**RATES FOR DISPLAYED ADVERTISEMENTS ON THIS PAGE**

Displayed ads may be used on this page under the poultry, baby chick, pet stock, and farm land classifications. The minimum space sold is 5 lines, maximum space sold, 2 columns by 150 lines. See rates below.

Inches	Rate	Inches	Rate
1	\$ 4.90	3 1/2	29.40
1 1/2	9.80	4	34.30
2	14.70	4 1/2	39.20
2 1/2	19.60	5	44.10
3	24.50	5 1/2	49.00

**RELIABLE ADVERTISING**

We believe that all classified livestock and real estate advertisements in this paper are reliable and we exercise the utmost care in accepting this class of advertising. However, as practically everything advertised has no fixed market value and opinions as to worth vary we cannot guarantee satisfaction. We cannot be responsible for mere differences of opinion as to quality of stock which may occasionally arise. In cases of honest dispute we will endeavor to bring about a satisfactory adjustment between buyer and seller but our responsibility ends with such action.

## POULTRY

Poultry Advertisers: Be sure to state on your order the heading under which you want your advertisement run. We cannot be responsible for correct classification of ads containing more than one product unless the classification is stated on order.

**ANCONAS**

PURE SHEPARD ANCONA COCKERELS, \$1.50. O. V. Bell, Haviland, Kan.

**BABY CHICKS**

BABY CHICKS, LEGHORNS \$10 HUNDRED, Reds \$11 Jenkins Hatchery, Jewell, Kan.

BABY CHICKS, LOWEST PRICES IN YEARS, 74c up. Catalogue ready to mail. Nevada Hatchery, Nevada, Mo.

BABY CHICKS, ACCREDITED AND CERTIFIED flocks, 9c up. Free circular. Norton Hatchery, Norton, Kan.

QUALITY CHICKS—WE ARE NOW BOOKING orders. Write for prices. Whitten Hatchery, Box 340, McCook, Neb.

QUALITY BABY CHICKS. THEY LIVE AND grow. Write for prices. Holdrege Hatchery (Weidenhoff, Prop.), Holdrege, Neb.

SIMPLEX BROTHERS—GUARANTEED best mothers in the world. Free catalog. Paul Jamieson, Englewood, Colorado.

CHICKS—WHITE LANGSHANS 12c, ROCKS, Reds, Orpingtons, Wyandottes 11c. Leghorns 10c. Live delivery postpaid. Ivy Vine Hatchery, Eskridge, Kan.

SEX GUARANTEED, PULLETS OR COCKERELS. Pure bred quality chicks. Bloodtested. Livability Guaranteed. Tindell's Hatchery, Burlingame, Kan.

MATHIS CERTIFIED CHICKS—GUARANTEED to live. Heavy layers. Leading breeds, \$7.95 hundred up. Catalog free. Mathis Farms, Box 108, Parsons, Kansas.

QUALITY CHICKS, ALL LEADING BREEDS. Hatches Monday and Thursday each week. Live delivery guaranteed. Circular free. Gamble's Hatchery, Altoona, Kan.

SUNFLOWER CHICKS. 12 POPULAR breeds, 12c per chick. Exhibition type, production, accredited. Circular. Personal attention always. Sunflower, Bronson, Kan.

FIFTEEN YEARS OUR CHICKS HAVE SUCCEEDED. Write us your need. Rocks, Reds, Wyandottes, Orpingtons, Minorcas, Leghorns "Accredited Chicks." Bowell Hatchery, Abilene, Kan.

PAY ONLY FOR CHICKS YOU RAISE. WE refund full price paid for all normal losses first three weeks. Missouri Accredited, 9c up. Free catalog. Schlichtman Hatchery, Appleton City, Missouri.

TEN FREE CHICKS WITH EACH 100 ORDERED during January. \$1.00 down, rest C.O.D. Chicks delivered any time. 12 breeds. Circular free. Hawk's Accredited Hatcheries, Effingham, Kan.

GUARANTEED TO LIVE CHICKS. Big-boned husky stock bred from our National Laying Contest winners. 20th 31st egg pedigrees. Guarantee protects you against loss first 14 days. 12 varieties, 8c up. Free catalog. Booth Farms, Box 515, Clinton, Mo.

BUY GUARANTEED HIGH GRADE BABY chicks and realize greater profits with Shaw's "Heavy Egg Producers" at special early order prices from foundation flocks R. O. P.—245-310 individual pedigreed mating —B. W. D. tested egg laying contest winners. Customers everywhere praise their rapid development, high livability, early and continuous egg production. Demand has developed our enormous capacity 60,000 chicks per week, best service, ship direct, 104 trains daily or call at our nearest hatchery—Emporia, Ottawa, Herington, Lyons. Write today for full details on best chicks to buy. The Shaw Hatcheries, Ottawa, Kan.

**BABY CHICKS**

**THE SUN NEVER SETS ON BAKER'S CHIX**

get More WINTER Eggs!

**Baker's Hatchery**  
Abilene, Kansas  
It tells you about Poultry!

**FREE Catalog**

Hatched from Carefully Graded, Fully Tested, Healthy, Pure-bred Flocks of Baker's "World Famous" 200 egg type stock. Every fowl in every flock has passed the most rigid inspection. You cannot buy better stock at these prices anywhere.

S. C. and R. C. Rhode Island Reds, Buff Rocks, Barred Rocks, White Wyandottes, Buff Orpingtons, E. C. Rhode Island Whites, each 15c 14c 13c 12c  
White Minorcas, each 15c 15c 14c 13c  
White Leghorns (extra large, heavy lay-ers), Buff Leghorns, Brown Leghorns, Assorted Heavy Breeds, each 12c 12c 11c 10c

**BABY CHICKS**

**Buy Steinhoff's Blood-Tested Chicks Hatched From Healthy Flocks**

tested for three consecutive years by the Agglutination method, the only test recognized by our State Agricultural College. Why waste your time, money and chicks trying to raise those not tested. Every hen in our flocks tested for B. W. D. and culled by State qualified poultry men. 100% live delivery guaranteed, prepaid. Average prices, circulars free. Order early and avoid being disappointed.

**STEINHOFF & SON, OSAGE CITY, KANSAS**

**CHICKS 200 EGG BRED**

At Cost of Ordinary Chicks

State Accredited, 100% live delivery, prepaid. Catalog Free. **PRICES PER 100 CHICKS**

BREED NAME	Utility	Egg Prod Quality	Master Breed
Leghorns	\$10.00	\$18.00	\$16.00
Anconas	11.00	14.00	17.00
Barred Rocks	11.00	14.00	18.00
White Rocks	12.00	15.00	18.00
S. & R. C. Reds	12.00	15.00	18.00
Wyandottes	12.00	15.00	18.00
Orpingtons	12.00	15.00	18.00
White Minorcas	12.00	15.00	18.00
Light Brahmas	15.00	18.00	21.00

Per 100: Assorted 8¢; Heavy Assorted 10¢.  
Get our special prices on large orders.  
Missouri Poultry Farms, Box 2, Columbia, Mo.

**Bockenstette's Blue Ribbon Certified Chicks Are Better**

"THERE'S A REASON" Over 1,200-Egg Record Males, Sire Our Chicks. 315 Egg Record, R.O.P. Approved. B.W.D. Tested. Valuable information in our free catalog.

**Chicks \$2.00 Each DOWN TO 83¢**

Guaranteed to Live. Free Replacement.

**Blue Ribbon Hatcheries, Inc.**  
R. 1, Sabetha, Kan.

**Johnson's Peerless Chicks For Sure Profits**

Johnson's chicks will live and make you sure profits because our flocks have had years of breeding for heavy egg production behind them; because they are hatched right in one of the most sanitary and carefully operated of hatcheries and because every bird in our flocks has been rigidly culled and standardized for type, color, size, health and production by our own flock supervisor. We hatch 18 leading varieties including White and Buff Minorcas, Rhode Island Whites, Jersey Giants and White Langshans. Our output of 9,000 chicks daily and our central location on four of the nation's greatest railroads assures prompt shipping service to practically every state in the union. Write for free, instructive catalogue.

**JOHNSON'S HATCHERY,**  
218-C WEST FIRST STREET,  
TOPEKA, KANSAS.

**95% Pullets Guaranteed Certified Flocks**

All chicks from flocks bloodtested and A. P. A. Certified. Our free descriptive circular explains fully. Send for it today.

**Mid-Western Poultry Farms & Hatchery**  
Burlingame, Kan., Dept. F.

**HEAVY PRODUCING POULTRY**

**Great Western**

"CHICKS WORTH MORE" say our customers. Water maturing, Healthy, Heavy layers, 48 Egg Record, 100% live delivery, prepaid. Catalog Free. Lower Prices, Chicks, Fowls, Eggs, Hens, Sires, Brooders, Sowers, Supplies, etc. Best References, "Far and Near." Discounted.

**Great Western Hatchery, Box 84, Salina, Kansas**

**62 BREEDS WONDERFUL POULTRY BOOK**

**NOW 123 Pages. Beautiful Pictures. FREE**

Berry's Poultry Farm, Box 26 Clarinda, Iowa

**ROSS CHICKS**

Guaranteed to Live 10 Days—From B. W. D. Tested Breeders

Headed by cockerels with OFFICIAL RECORDS UP TO 290. Every bird in our flock is wearing a STATE ACCREDITED HATCHERY SEALED BAND. APPROVAL and has been ACCREDITED and A. P. A. CERTIFIED by JUDGE WM. H. SCOTT for HIGH EGG TYPE, BREED TYPE, HEALTH and VIGOR. Before ordering chicks send for our PRICES AND CATALOG which shows true prices of the LARGEST HATCHERY AND BREEDING FARM in the STATE. All flocks BLOOD TESTED also THREE WEEK OLD CHICKS. **ROSS HATCHERY & BREEDING FARM, Box 10, JUNCTION CITY, KAN.**

**Bartlett's Certified Pure Bred Chicks**

Ten leading varieties from A. P. A. Certified flocks. Every breeding fowl certified purebred by a licensed American Poultry Association Judge. Free range farm raised, strong, healthy stock. Bred, mated and culled by poultry experts for heavy winter egg production.

Not just a hatchery but a real poultry breeding farm. Largest in the West. Sixteenth successful year serving those who appreciate high-pedigreed quality at reasonable prices. You will get unusual quality. Bank references. Two weeks free feed and Bartlett Farms successful copyrighted plans. "How to Raise Baby Chicks" free with each order. One hundred per cent live delivery guaranteed. Thousands of satisfied customers in 27 states. We can please you, too. Write for free descriptive literature.

**BARTLETT POULTRY FARMS**  
ROUTE 5, BOX B, WICHITA, KAN.

**H. & S. Accredited Hatchery**

Livable quality chicks from all standard breeds. Discount on all early orders. Let us send you our prices at once. We can save you money on an early order.

**H. & S. HATCHERY, McPHERSON, KANSAS.**  
1119 South Main Street

**Accredited Baby Chicks**

Electric hatched, range flocks. Barred, Buff and White Rocks, Rhode Island Reds, Buff Orpingtons and Buff and White Leghorns. 100% live delivery guaranteed.

**OWENS HATCHERY, 618 North Ash, Wichita, Kan.**

**BABY CHICKS**

**TIMM'S PURE BRED SCIENTIFICALLY** hatched baby chicks. Disease free, from disease free flocks. Personally inspected. Bulletin on care of baby chicks. Catalogue, price list, free. Timm's Hatchery, Eustis, Neb.

**YOU BUY BETTER CHICKS FOR LESS** money. Guaranteed alive or replaced, 2,000 free. All leading breeds. Special: World's Best, Young, Barron or Tanager White Leghorn chicks, \$98 per 1,000. Colwell Hatchery, Smith Center, Kan.

**HERE'S A BARGAIN—BIG, STRONG, LIV-** able, electric-hatched chick. Per 100: White or Brown Leghorns and Heavy Mixed, \$10; Red, White and Barred Rocks, \$11; White Wyandottes, Buff Orpingtons, \$12. Assorted all kinds, \$9. Rush your order, 100% alive, prepaid. Catalog free. Steele's Hatchery, Box 108, Wellsville, Mo.

**HEIM'S HUSKY CHIX, WHITE AND** Barred Rocks, Reds, Buff Orpingtons, White Wyandottes, White Minorcas, \$12. White and Brown Leghorns, heavy assorted \$10. Free book how to raise chicks with every order for 100 chicks; prepay and guarantee 100% live delivery. Heim's Hatchery, Lamar, Missouri.

**PEERLESS SUPERB CHICKS, WHITE, BUFF** or Barred Rocks, Rhode Island Reds, Rhode Island Whites, White Langshans, Buff Orpingtons and White Minorcas, \$12.00-100. White Wyandottes, Silver-faced Wyandottes, \$12.50-100. Anconas, Brown, White or Buff Leghorns, \$10.00-100. Heavy assorted, \$45.00-500. Prepaid. Guaranteed delivery. Peerless Hatchery, Wichita, Kan.

**FIRST START RIGHT — STANDARD** weight baby chicks hatched from 26-30 ounce eggs, bred by 4 to 5 pound blood-tested, State Accredited Flock of S. C. Leghorn hens. \$18 100, \$77.50 500, \$150 1,000. Old customers have already booked 22,000 for 1930. Order from this ad. Catalog. The Stewart Ranch, Goodland, Kan.

**STATE ACCREDITED CHICKS, BUFF OR-** pingtons, White Wyandottes, White, Barred or Buff Rocks, Rose or Single Comb Rhode Island Reds, Rose Comb Rhode Island Whites, Silver Laced Wyandottes, White Langshans, \$13.50 per 100; \$65.00-500. Leghorns, Holly-woods English or Beal Tancred, \$12.00-100. Tischhauser Hatchery, Wichita, Kan.

**BABY CHICKS—FROM FREE RANGE** flocks. Every flock personally inspected and culled. Pure breeds. Strong and healthy. Barred and White Rock, S. C. R. I. Reds and Pure Hollywood White Leghorns, \$13.50 per 100. Get your order in early 10% discount for cash before Feb. 1st. Ship prepaid weekly. Live delivery. Jones Hatchery, 2226 Ida, Wichita, Kan.

**GET FREE BROODER, PAY ONLY FOR** chicks—Miller's amazing offer. High grade, 300, 500, 1000 chick old brooder absolutely free with your order for 300, 500 or 1000 chicks. Without any increase in cost. Health Certified Chicks from State Accredited flocks—all standard breeds. Immediate 100% live delivery prepaid, no waiting, 28th year in business. Get free brooder, save money—chicks at lowest prices. Write at once for catalog. Miller Hatcheries, Box 525, Lancaster, Missouri.

**SUCCESS WITH LACLEDE "CERTAIN-** tested" Chicks. Quicker growth, better layers guaranteed as catalog explains. Accredited flocks, pedigreed, certified cocks, Barred, Buff or White Rocks, Reds, Buff Orpingtons, White Wyandottes, \$12.50 hundred. White, Brown, or Buff Leghorns, Anconas, \$10.50. White Minorcas, Black Minorcas, \$13.50. Heavies, \$10.00. Assorted, \$8.50. Write for catalog and particulars on chicks bloodtested and guaranteed to live. Laclede Farms Hatchery, Lebanon, Missouri.

**BRAHMAS**

**LIGHT BRAHMA COCKERELS, \$3.00.** Victor Pearson, Lindsay, Mo., Rt. 2.

**BIG TYPE LIGHT BRAHMA COCKERELS,** \$2.50. Homer Alkire, Belleville, Kan.

**LIGHT BRAHMA COCKERELS \$2 EACH.** Will exchange 6. Mrs. Glenn Wiley, Man-kato, Kan.

**CORNISH**

**LARGE DARK CORNISH COCKERELS \$3.00** each. Mrs. J. H. Florá, Quinter, Kan.

**DUCKS AND GEESE**

**WHITE PEKIN DRAKES, \$2.00 EACH.** Mrs. Harry Benner, Sabetha, Kan.

**MAMMOTH TOULOUSE (OLD) GEESE, \$2.50.** A. Henke, Lost Springs, Kan.

**PRIZE WINNERS WHITE PEKIN DRAKES,** \$2.50; hens \$2.00. Bessie Richards, Beverly, Kan.

**MAMMOTH PRIZE PEKINS, FAWN-WHITE** runners, Mallard ducks, \$1.75 each, four \$6.00. Carrie Wegman Sabetha, Kan.

**PURE BRED WHITE EMBDEN GEESE,** \$3.00. Ganders \$4.00. Pure Bred White Muscovy Ducks, \$1.50. Drakes \$2.00. A. Sells, Maplehill, Kan.

**GUINEAS**

**WHITE AFRICAN GUINEAS, \$1.00 EACH.** Fred Allen, Belleville, Kan.

**JERSEY BLACK GIANTS**

**JERSEY BLACK GIANT COCKERELS, \$2.50,** \$3.00. Helen Pearce, Menlo, Kan.

**BLACK GIANT COCKERELS, M A R C Y** strain, big birds, \$2.50. Burroughs Stahl, Burlingame, Kan.

**MAMMOTH BLACK GIANTS, BOOKING** chick orders. Eggs now. The Thomas Farms, Pleasanton, Kan.

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WHITE LEGHORN COCKERELS, \$1.75. Shipped on approval. C. A. Gabelmon, Natoma, Kan.
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SINGLE COMB TOM BARRON COCKERELS, 254 to 305 egg strain, \$3 to \$5. Eggs \$5. J. E. Souder, Rt. 4, Toronto, Kan.
CHICKS, EGGS, STOCK FROM PURE BARRON strain, 200, egg flock average individual record, 291. Andrea Poultry Farm, Holyrood, Kan.
SINGLE COMB WHITE LEGHORN COCKERELS. Barron strain, \$1.50 and \$2.50. Satisfaction guaranteed. Nina Sherwood, Taino, Kan.
200 LAYING WHITE LEGHORN PULLETS. Dollar Sign Strain. Must sell, sickness, \$1.35. Cockerels \$3. Circular. Mrs. M. Nina Gray, Englewood, Colo.
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MISCELLANEOUS

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CHOICE COMB HONEY—TWO 60 LB. cans, \$15.00. Extracted, \$12.00. Bert Hopper, Rocky Ford, Colo.
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SHEEP AND GOATS

FOR SALE REGISTERED SHROPSHIRE bred ewes. W. T. Hammond, Fortin, Kan.

FOR SALE—YOUNG REGISTERED SHROPSHIRE ewes. J. W. Alexander, Burlington, Kan.

LAND

KANSAS

LAND BARGAINS—FRANK MADIGAN, Sharon Springs, Kan.

KANSAS

BEST PRICES on new wheat land. E. E. Nelson, Garden City, Kan.

WHEAT LAND—% VALUE CROP-PAYMENT. C. Jury, Ulysses, Kan.

WHEAT AND RANCH LANDS, BARGAINS. Write or see C. N. Owen, Dighton, Kan.

WHEAT, corn, potato land. Shallow water. Imp. & unimp. \$20 up. Crabtree Realty, Scott City, Kan.

5,000 ACRES Wichita County wheat and corn land \$12.50 to \$30.00 per acre. Bess Holmes, Leoti, Kan.

160 ACRES CLOSE TOWN; CONSIDER smaller farm as first payment. Arza Hawthorne, Iola, Kan.

STANTON and Baca county wheat and corn lands \$15.00 to \$25.00 per acre. Peterson Land & Inv. Co., Johnson, Kan.

FOR SALE—40 A. CREEK BOTTOM, WELL improved. Timber water. \$42.50 per acre. J. K. Clarke, Owner, Denmore, Kan.

GREELEY County wheat land in big yield, section \$10 to \$15 per acre, easy terms. J. W. Triplett Land Co., Tribune, Kan.

KANSAS LAND, BEST IN WORLD FOR the money. Free list. Ness, Lane, Scott, Wichita Co., bargains. Buxton & Fouquet, Ransom, Kan.

CHOICE WHEAT AND CORN LAND FOR sale; one crop will pay for land. A golden opportunity for you. Phone 188, A. C. Bailey, Syracuse, Kan.

FOR SALE—WELL IMPROVED 400 ACRES combination Central Kansas farm, 220 A. cultivated, half bottom. Will take as part payment 160 acre Eastern Kansas improved farm. See us for farm bargains. Twin Valley Realty Co., Salina, Kan.

KANSAS, the bread basket of the world, is the world's leading producer of hard winter wheat. Kansas ranks high in corn. It leads all states in production of alfalfa. Dairying, poultry raising and livestock farming offer attractive opportunities because of cheap and abundant production of feeds and forage and short and mild winters which require a minimum of feed and care. The U. S. Geological Survey classifies many thousands of acres of Southwestern Kansas lands as first grade. These lands are available at reasonable prices and easy terms. Write now for our free Kansas Folder. C. L. Seagraves, General Colonization Agent, Santa Fe Railway, 990 Railway Exchange, Chicago, Ill.

ARKANSAS

WHITE PEOPLE ONLY. WRITE FOR OUR new 1930 catalog of fruit, dairy and poultry farms on easy terms. Mills Land Co., Booneville, Ark.

CANADA

WEY PAY BIG RENTS or tie up money in high-priced land while in Canada millions of acres virgin prairie close to railways awaiting settlement can be bought from \$15 to \$25 an acre, with long term of payment if desired? Free government homesteads in the newer districts; good improved or unimproved farms in all provinces at low prices. Excellent climate, highest quality produce, good markets, low freight rates, low taxes. Fastest growing country in the world. Grain-growing, stock-raising, dairying, fruit, poultry, mixed farming. Schools, churches, roads, telephones. Rural mail delivery. Get the facts from the Canadian Government Information Bureau. Canadian Government has no lands to sell but offers free official information and service. Special low railway rates for trip of inspection. Free maps, booklets, advice. No obligation. Thirty thousand Americans moved to Canada last year. Write M. D. Johnstone, Canadian Government Information Bureau, 2025 Main St., Kansas City, Mo.

IDAHO

NO PAYMENTS NO INTEREST FOR 5 years. 20,000 acres of fertile cut over soil, dairying, fruit, diversified farming, ample rainfall, mild climate, good markets, four railroads, near Spokane, wood, water plentiful, low prices, 15 years. Humbird Lumber Co., Box G, Sandpoint, Idaho.

MISSOURI

POOR MAN'S CHANCE—\$5 down, \$5 monthly buys forty acres grain, fruit, poultry land, some timber, near town, price \$200. Other bargains. Box 425-O, Carthage, Mo.

COLORADO

3360 A. EASTERN COLO. 80% level, for \$300.00. Terms A. J. Mann, Nat. Bank Bldg., Dodge City, Kan.

NEW WHEAT LAND, also corn farms in the famous Eads district. Wm. T. Holland & Co., Eads (Kiowa Co.) Colo.

EASTERN COLORADO SMOOTH WHEAT and corn land, close to market, \$6.25 per acre. Hackley, Lamar, Colo.

25 QUARTERS, the cream of new wheat land also corn land in the famous Eads District. Mitchem & Hollingsworth, Eads, Colo.

IMP. IRRIGATED Farms, part alfalfa, dependable water rights. Ranches non-irrig. wheat lands. J. L. Wade, Lamar, Colo.

MONTANA

MONEY MAKING FARM Homes in Central Montana, including the Judith Basin—This Home land, where stock ranches, grain, dairy and general farms are producing with profit, offers wonderful opportunities to the ambitious man with moderate capital. Hard winter and spring wheats with high weights and protein content make high average yields. Oats, flax, barley, rye profitably produced. Alfalfa and sweet clover successfully grown for hay and feed. Timothy, red and white clover extensively grown in the foothills. Farm gardens, poultry, hogs, sheep, beef cattle, dairy cattle, bees and high grade seeds contribute to the high per capita wealth of this territory. Lands are low priced and can be purchased on terms favorable to the new settler. Climate healthful, invigorating and favorable for successful crop and live stock production. Good schools, and roads, telephones, rural mail delivery and good railroad service assure pleasing living conditions and good marketing facilities. We employ our corps of Agricultural Development Agents to learn and secure the adoption of best profit farm plans in localities we serve for the benefit of those now living along our lines and that new settlers may adopt such programs, avoiding necessity of expensive experiments. We seek to help you find the kind of a farm you want at a fair and reasonable price and on terms of payment which you can surely meet without anxiety. Write for illustrated booklet and information wanted. Ask questions—they will be carefully and promptly answered. Low Homesteaders' fares. R. W. Keynolds, Commissioner, The Milwaukee Road, 934-D Union Station, Chicago.

NEW MEXICO

TWO FARMS WITH CHEAP WATER. Terms, Box 633, Farmington, N. M.

TEXAS

IN THE GULF COAST country of Texas, there is now a splendid opportunity to buy forty acre farms at very low prices with long, easy terms. Down payment within your means. Deep, black fertile soil with excellent drainage. Long and favorable growing season permits wide range of crops including cotton, corn, magnolia figs, satsuma oranges, all kinds of vegetables. Especially well adapted for dairying, hogs and poultry. Land ready for cultivation. Excellent railroad facilities afford ready access to large markets. Good roads, schools, churches. For detailed information address C. L. Seagraves, General Colonization agent, Santa Fe Ry., 970 Railway Exchange, Chicago.

SALE OR EXCHANGE

BARGAINS—Kan., W. Mo. farms, sale or exch. Sewell Land Co., Garnett, Kan.

SALE OR TRADE FOR MERCHANDISE IMPROVED farm, 1/2 price. Write Clote McTee, Morland, Kan.

MISCELLANEOUS LAND

OWN A FARM in Minnesota, North Dakota, Montana, Idaho, Washington or Oregon. Crop payments or easy terms. Free literature. Mention state. H. W. Byerly, 81 Nor. Pac. Ry., St. Paul, Minn.

THE GREAT NORTHERN Railway serves an agricultural empire in Minnesota, North Dakota and Montana, where opportunities abound for small farms or large operators to rent or purchase at the lowest prices and best terms of many years. Profits are insured by rapid progress being made in diversified crops and livestock raising. Idaho, Washington and Oregon offer opportunities in low-priced cutover lands, high producing irrigated land, or small suburban tracts near large cities for general farming, dairying, fruit or poultry. Mild climate. Write for free Zone of Plenty book with detailed information. Low Homesteaders' Rates. E. C. Leedy, Dept. 100, St. Paul, Minn.

WANTED TO LIST REAL ESTATE

SELL YOUR PROPERTY QUICKLY for cash, no matter where located, particulars free. Real Estate Salesman Co., 515 Brownell, Lincoln, Nebraska.

REAL ESTATE WANTED

WANTED—FARMS FROM OWNERS. SEND cash price with description. Emory Gross, North Topeka, Kan.

WANTED TO HEAR FROM OWNER HAVING good farm for sale. Cash price, particulars. John Black, Chippewa Falls, Wisconsin.

SMALL FARM WANTED Located in Kansas, suitable for general farming, dairying and stock raising. If a bargain, write me full description and lowest cash price. John D. Baker, Mens, Ark.

Still More Roads

During the fiscal year 1929 more than 7,400 miles of the federal-aid highway system was initially improved by the 48 states and Hawaii in co-operation with the Bureau of Public Roads, according to the annual report of Thomas E. MacDonald, chief of bureau, to Secretary of Agriculture Hyde. Initially improved highways are those upon which no federal-aid funds have previously been expended. Advanced stages of improvement, involving generally the surfacing of roads previously graded and drained, were completed on 1,983 miles of the system. At the close of the year initial improvements were in progress on approximately 8,358 miles, and advanced stage construction was under way on 1,167 miles. The federal-aid system comprises 188,857 miles of main interstate and intercounty roads. At the close of the fiscal year, the actual length of roads in the system improved with federal-

aid was 78,096 miles, or about 41 per cent of the total mileage.

The total cost of the year's improvement of 7,402 miles of initial construction and 1,983 miles of stage construction was \$195,298,168, of which the Federal Government paid \$82,736,878, or 42 per cent, and the states the remainder.

A New Terminal Elevator

The Farmers' Union Jobbing Association, Kansas City, Kan., announces plans for building a terminal elevator at Salina. Owning their own handling facilities has been a dream of Farmers' Union members for years, and now the first step in the program is to be taken. The Jobbing Association has secured an option on a 10-acre site, conveniently located, and is planning to build an elevator with a capacity of 1 1/2 million bushels. The elevator will be of concrete, modern in every detail, and so constructed that it may be increased to a capacity of 3 million bushels. It will be equipped to mix, condition and grade grain, thereby putting the grain in the best possible condition to obtain the full market price.

LIVESTOCK NEWS

BY J. W. Johnson  
Copper Farm Press, Topeka, Kan.

F. B. Wempe, Frankfort, breeder of registered Jersey cattle and Hampshire hogs is starting his advertisement again in both the Jersey and Hampshire advertising section in Kansas Farmer this week. He is one of the best known breeders of Hampshires in the West and has shown extensively all over the country for the last several years. His herd of registered Jerseys is a member of the Marshall County Cow Testing Association and the average for the herd is outstanding.

Washington county is a well known dairy center and Holsteins prevail in the county. The Washington County Cow Testing Association is one of the real live associations of this kind in the West and some nice records have been made and they are going to be better by far for 1929 and 1930. One of the nice small herds is Walter W. Oelschlaeger herd at Palmer and on Feb. 4 this herd will be dispersed. The average butterfat per cow in this herd in 1927 was 315 pounds and in 1928 it was 324 pounds and the 1929 G. T. A. average of butterfat for this herd will be considerably above that. The sale will be held at the farm near Palmer on Highway 15 and it will be advertised in the next issue of Kansas Farmer. You can write him at once for the sale catalog. Address as above at Palmer, Kan.

LIVESTOCK NEWS

By Jesse R. Johnson  
1015 Franklin Ave., Wichita, Kan.

W. A. Love of Partridge, Kan., breeder of Polled Shorthorns, writes that he has had good sales since starting his card in Kansas Farmer. He has sold many cattle, both bulls and females. Says he has five good husky bull calves for sale at this time.

Leo Breeden writes that his first Otis Chieftain heifers out of Pine Valley Viscount ewe cows now coming fresh from the service of Lord Baltimore and the White Goods-Pine Valley Viscount bred bull. They are very promising, says Mr. Breeden.

D. J. Shuler, Milking Shorthorn breeder of Hutchinson, is now getting his first calves from his English herd bull Teiura Supreme. Roan Duchess his high record cow has a fine bull calf.

S. B. Young, Shorthorn breeder of Osborne, Kan., and regular advertiser in Kansas Farmer, writes me that he has sold all of his young bulls at an average price of \$200 and now he will let some one have his herd bull. This bull is without doubt one of the best bulls ever sired by Crown Marshall. He is not only an outstanding individual but he is a very strong and uniform sire. He is 4 years old and will be priced right.

H. L. Cudney and W. H. Lovell of Trousdale out in Edwards county will hold a sale of registered Jersey cattle and Durco bred sows and gilts on February 5. The Jersey offering will comprise the entire herd of mature cows, all of them in milk and bred to a son of Brilliant St. Mawes Lad. About 30 head of high class Durco sows and gilts will be sold. Many of them sired by Dady Longest, the sire of many prize winning litters during the past. They will be bred to this boar and The Colonel, a boar of merit recently purchased from G. M. Shepherd and one of the main herd boars in the Shepherd herd. Cattle are Federal accredited and the hogs immune.

Public Sales of Livestock

- Shorthorn Cattle  
Jan. 16—M. F. Marks, Valley Falls, Kan. Mr. and Mrs. Harry Forbes sale managers, Auburn, Kan.
- Holstein Cattle  
Feb. 4—Walter W. Oelschlaeger, Palmer, Kan.
- Jersey Cattle  
Feb. 5—H. L. Cudney and W. H. Lovell, Trousdale, Kan.
- Poland China Hogs  
Feb. 8—J. D. Barrott & Sons, Oberlin, Kan. Sale pavilion, Oberlin.
- Feb. 15—J. H. Brown, Seiden, Kan. Sale in pavilion, Oberlin, Kan.
- Feb. 25—Clyde Corporation, Oberlin, Kan. Sale pavilion, Oberlin.
- Spotted Poland China Hogs  
Feb. 12—J. A. Sanderson, Oronoque, Kan.
- Duroc Hogs  
Feb. 5—H. L. Cudney and W. H. Lovell, Trousdale, Kan.
- Feb. 5—Verg. Abrecht, Smith Center, Kan.
- March 1—Vayrock Bros., Oberlin, Kan. Sale pavilion, Oberlin.

# The Holstein-Friesian Breeders of Kansas!

## Northeast Kansas

**Chas. W. Dingman, Topeka**  
25 years breeding Holsteins. The first 1000 pound butter cow ever produced in the state was bred and developed by Mr. Dingman.

**Shunga Valley Holsteins**  
Young bulls out dams with good official records for sale. Ranging in ages from calves to bulls of serviceable ages.  
**IRA RUMIG & SONS, Topeka, Kan.**

**JUST ONE BULL LEFT**  
for sale. A nice smooth calf a year old whose dam was second prize 3 year old at Topeka Free Fair 1928. His sire was one of the highest record sons of Count Collet Cornucopia.  
**Ralph O. Button, North Topeka, Kan.**

**Meyer Dairy Farm Co.**  
Several young bulls of serviceable age and out of high record cows. Priced very reasonable. Write for photo and pedigree.  
**MEYER DAIRY FARM CO., Basehor, Kan.**

**BARNETT FARM HOLSTEINS**  
Our herd sire, Sir Gerben Bess Burke, his two nearest dams average 1200 lbs. of butter a year. Baby calves either sex, and yearling heifers for sale.  
**J. M. BARNETT, Denison, Kan.**

**Collins-Sewell Farms**  
A few good females due to freshen soon, 2 good bulls. C. T. A. herd average 392 pounds fat.  
**Collins-Sewell Farms, Sabetha, Kan.**

**K.P.O.P. Breeding.** Bull born July 8, '28, ready for heavy service. Sire, King Piche 21st, whose 9 nearest dams avg. 1216.15lb butter. Dam has A.B.O. record, his half sister on dam's side has over 900lb butter, another 605lb fat at 3 yrs. Write for pedigree and description.  
**Clyde Shade, Ottawa, Kan.**

**DORA PEARL VEEMAN**  
Butter 365 days, 1273.1 lbs. Milk 26,306.3. First and only cow in Kansas producing 1250 lbs. butter in one year. Bred, raised and owned by us. Excellent young bulls from sisters of this cow. Sired by Senior Champ. Kansas, Topeka 1929. H. A. DRESSLER, Lebo, Kan.

**Rock River Star Hengerveld**  
Heads my herd 13 of his sisters hold III. state records. Some very typy bull calves sired by him and from K.P.O.P. dams of excellent type that have good C.T.A. records. Arden Clawson, Lawrence, Kan.

**Oldest Herd in Kansas**  
Bulls of serviceable ages sired by a 41 pound bull and out of high producing cows. Farm near town.  
**J. P. MAST, SCRANTON, KAN.**

**4 Dandy Yearling Bulls**  
Sired by our seven times grand champion show and breeding bull. Their dams have good records. Write for prices.  
**DR. J. P. KASTER, Topeka, Kan., R. D. 7**

**Marithan Ormsby Phoebe Superior**  
is the dam of a May 30 fine bull calf whose sire was a son of King Phoebe out of a K. P. O. P. dam. Write for price.  
**O. N. WILSON, SILVER LAKE, KAN.**

**CAPITAL VIEW HOLSTEIN FARMS**  
Cows and heifers for sale freshening in September and October. All produced and developed on our farms near Topeka. Come and see us.  
**J. S. WHITE, 1305 Clay St., Topeka, Kan.**

**Holston Farms**  
Nothing for sale except young bull calves. Sired by Dutchland Denver King Fayne.  
**VEY G. HOLSTON, Topeka, Kan., R. D. 2.**

**Nice Reg. Bull Calf**  
Good individual and out of a heavy producing dam. He is a grandson of Count Collet Cornucopia 5th. Priced reasonable.  
**H. S. BLAKE, Topeka, Kan.**

## Holsteins Return Largest Labor Income

A comparison taken from the Wisconsin Dairy Cow Competition where 158 Holsteins, 157 Guernseys and 80 Jerseys were compared as to milk production, fat production, value of product produced, feed cost and labor income.

An analysis of the results show that the average production of butterfat per Holstein was 82 pounds higher than the next nearest breed, and while the average cost of feed for the Holsteins was \$20.12 higher than the feed cost on the Guernseys yet the return above feed cost, or labor income was \$12.69 higher.

It is frequently said among those who are uninformed that they will not use Holstein cattle because they eat too much. It is a true statement that they do eat more than any other dairy breed, but in consuming large quantities of home grown feeds they return a greater amount of milk and butterfat resulting in a

larger net return above feed cost. At the time that the above work was done butterfat was valued at 28 cents per pound and skim milk at 20 cents per hundred. It can readily be seen that with butterfat selling higher comparably with feed costs, the difference in favor of the Holstein cattle would be even greater than these figures would indicate.

No man can derive profit from the dairy business with inferior cows of any breed.—H. R. Lascelles, West Central States Rep., The Holstein Friesian Assn. of America.

## Central Kansas

**39 AVERAGE 373 BUTTER FAT**  
in 12 months, 1927-1928 and 16 of them in heifer form. A high producing working herd of reg. Holsteins. Come and see us.  
**E. P. MILLER, JUNCTION CITY, KAN.**

**Choice Bulls Ready for Service**  
Three of them out of dams with 454, 496 and 525 lbs. of fat. Write for breeding, descriptions and photo  
**MAPLEWOOD FARMS, Herington, Kansas**  
W. H. Mott, Owner.

**Calantha Johanna Lad**  
a splendid grandson of this great sire heads our herd. Our farm is about 3 miles south of town. Visitors welcome. Nothing for sale now.  
**B. F. PIERCE, Herington, Kan.**

**Serviceable Bulls**  
12 to 16 months old. 800 lb. sire and C. T. A. Record dams.  
**E. W. OBITTS, HERINGTON, KAN.**

**Some High Grade Cows**  
That freshened in August. Selling them to make room for pure bred. Also registered bull seven months old.  
**W. E. HAGGARD, HERINGTON, KAN.**

**Smoky Valley Holsteins**  
Two registered cows, one fresh one springer due Dec. 1. Three bulls, 8 to 11 months old. One from a 515 pound C.T.A. dam.  
**W. G. BIRCHER, Kanopolis, Kan.**

**HARRY MULHAGEN, BUSHTON, KAN.**  
Herd Established in 1910  
Our herd is small but you will approve of it if you believe the best are the most profitable.  
**Harry Mulhagen, Bushton, Kan.**

**WORTH-WILE HOLSTEINS**  
My herd holds the state record in the herd test with an average of 475.6 lbs fat and 14,724 lbs. milk. Bull calves for sale from a line bred Walker Copia Champion Bull, King Segis Pontiac cows.  
**Geo. Worth, Lyons, Kan.**

**HERD AVERAGED C. T. A. 389.6**  
Herd headed by K. P. O. P. sire whose five nearest dams averaged 1122 butter. Bulls of serviceable ages.  
**ERNEST REED, LYONS, KAN.**

## Southern Kansas

**B. R. GOSNEY'S HOLSTEIN HERD**  
You never know until you go and see. Serviceable bulls out of high producing cows. Come and see us.  
**B. R. GOSNEY, MULVANE, KAN.**

**MARK ABILDGAARD, MULVANE**  
Two young bulls of serviceable ages out of high producing dams. Descriptions and prices gladly furnished. Address:  
**MARK ABILDGAARD, MULVANE, KAN.**

**Lone Pine Herd**  
Choice young bulls out of cows with good C. T. A. records. Come and see us.  
**J. M. Youngmeyer, Wichita, Kan., R. D. 6**

**Year Old Bull For Sale**  
Dam has a good C. T. A. record and I will be pleased to tell you about him. Address  
**C. L. SOMERS, Wichita, Kan., R. D. 6**

**Cows and Heifers For Sale**  
A very profitable lot of reg. Holsteins. Correspondence invited and visitors welcome.  
**R. L. LYMAN, BURRTON, KAN.**

**K. P. O. P. BREEDING**  
Serviceable bulls for sale sired by our junior champion herd bull, whose two nearest dams average 127.63 butter 2291.75 milk in 365 days, average test 3.96.  
**G. Regier & Son, Whitewater, Kansas**

**DAWNVIEW FARMS GREETING, 1930**  
1929 was a successful year with good Holsteins. May 1930 fulfill greater promises of joy, health and prosperity to our customers and friends in the Holstein World. Our bull list is depleted.  
**T. Hobart McVay, Nickerson, Kan.**

**SEEBER BROS., GREAT BEND**  
A herd of working registered Holsteins. We expect our top cow to beat 600 pounds of fat in 1929.  
**SEEBER BROS., GREAT BEND, KAN.**

**HIGH RECORD BULL CALF**  
Dam has record of 630 lbs. butter and sire's dam owned by H. A. Dressler will make over 900 lbs. butter this year. She is full sister to Dora Pearl Veeman, Champion butterfat producer of Kansas. Write  
**WALTER CLARK, Garfield, Kan.**

**Ash Valley Holstein Farm**  
Our reduction sale last fall averaged \$247; on first five \$300. Young bulls out of choice cows (C. T. A. records).  
**CLYDE GLAZE, LARNED, KAN.**

**C. A. BRANCH, MARION, KANSAS**  
The Blue Label Dairy Farm. More "Iowa De Cola Walker" blood than any herd in Kansas. Our herd has individuality as well as production. Visitors always welcome.  
**Dr. C. A. Branch, Rt. 5, Marion, Kan.**

## Washington County

**Strong Washington County Herd**  
We offer for sale 3 young bulls around 10 months old and out of high producing cows. Farm near Greenleaf. Come and see us.  
**HENRY HATESOHL, Greenleaf, Kan.**

**A Grandson of Sir Bess Ormsby Fobes,** who sired S.P.O. M. 37th has 19 one thousand pound daughters. Good individual and ready for service. Dam has a Dairy Herd Improvement record of 527 pounds butterfat. Also younger bulls for sale.  
**H. J. MEIERKORD, Linn, Kan.**

**Strong Holstein Farm**  
75 reg. cattle. Carnation Inka Matador our junior herd sire. A fine lot of young bulls ready for service. Address  
**Strong Holstein Farm, Washington, Kan.**

**Rendale Holstein Farm**  
Average butter fat for our herd in 1929 was 401 pounds and in 1927 it was 379 pounds. We have stock for sale.  
**FRED STIGGE, WASHINGTON, KAN.**

**J. L. Young Estate Herd**  
First 400 pound butter fat herd in Washington county. We have surplus stock for sale. Write for prices and descriptions.  
**J. L. Young, Estate, Haddam, Kan.**

**400 and 500 C. T. A. Dams**  
A few nice bull calves out of cows with good C. T. A. records. Write for descriptions and prices.  
**WM. C. MUELLER, HANOVER, KAN.**

## Northwest Kansas

**Never Fail Dairy Farm** offers fine young bull, born March 4, 1929, from Jr. 4-yr-old who has produced since then, 17280 lbs of 4.3% milk, will freshen in 6 weeks. His granddam, 10-yr-old, just produced 26160 lbs. of milk and 1243.21 lbs. fat in 365 days. Also younger ones.  
**Geo. A. Woolley, Osborne, Kan.**

**Blackhawk Dairy Farm**  
The herd that produces 15,000 pounds of butter annually besides a nice retail milk business. Write for information about stock for sale.  
**J. F. LAMAN & SON, PORTIS, KAN.**

**FLORENS FARM**  
Have been very careful in selection of herd bulls in 18 years of breeding pure bred Holsteins. Type and production.  
**C. J. FURRY, Franklin, Neb.**

**FOR SALE—A YOUNG SON**  
(born Sept. 8, 1929) of Queen Pontiac Ormsby Boon, who is finishing now a yearly record of about 15,000 pounds of milk and 700 pounds of butter, made as a four year old on two milkings per day. Write  
**Carl M. McCormick, Cedar, Kan.**

**Segis Walker Matador 4th**  
heads our herd. His sire, Segis Walker Matador has more than a dozen daughters that average 1000 butter. Bull calves for sale. Mahindale Holstein Farm, address Ross Mahin, Gaylord, Kan.

## Clay County

**Le-Mar Holsteins**  
Bull calf, born Oct. 17, 1929, whose dam was high cow in the Geary-Clay D. H. I. A. 1929 and senior and grand champion cow at the Clay County fair.  
**LESLIE C. ROENIGK, Clay Center, Kan.**

**Shady Brook Stock Farm**  
Our herd, all heifers averaged 340 pounds of fat (C. T. A. records) for the year ending June 1, 1929. Have some young bulls for sale.  
**V. W. Carson, Clay Center, Kan.**

**AVERAGE TEST 4%**  
Average fat 379 lbs. was made on our herd of 12 cows last year on two milkings daily. Seven were two year olds. Some heifer and bull calves and two year old heifers for sale.  
**Ray M. Caldwell, Broughton, Kan.**

**HAMPSHIRE HOGS**  
Whiteway Hampshires on Approval  
Choice bred gilts sired by grand champion boar and bred to junior and grand champion boar, Little Rock and senior and grand champion boar Muskogee, Okla. Also fall pigs.  
**F. B. WEMPE, Frankfort, Kan.**

**THEFTS REPORTED**  
Telephone your Sheriff if you find any of this stolen property. Kansas Farmer Protective Service offers a reward for the capture and conviction of any thief who steals from its members

Royal F. Wilson, Edgerton. Year-old, female, pedigreed police dog. Recently spayed, wound not entirely healed.  
Fred Miller, Darlow. Two-door, model T Ford car, engine No. 14,224,572, license No. 463,265. Rear and front bumpers and shock snubbers. Lang steering wheel, wooden wheels. Dark green color, gray upholstery.  
Austin Best, Columbus. Double barrel, 12-gauge, hammer shot gun. Left barrel full choke and right barrel half choke.  
C. A. Morland, McDonald. Twenty-two caliber revolver.  
Frank Gressman, Washington. Gasoline, oil, grease, wrenches and car accessories.  
Charles Record, Humboldt. About 75 White Rock chickens.  
Orvel A. Bond, Plains. Half set new Walsh buckle harness with brass ball hames. One and one-half inch tugs and 20 foot lines.  
Askern saddle numbered 180 on left side. Ball inside of leather covered saddle horn is loose. Riding bridle with spiced reins.  
J. A. Anderson, Topeka. Three 150-pound hogs. One slaughtered in pen.  
S. D. Randall, DeSoto. Load of corn.  
W. J. McCants, Argonia. Firestone tire, 29x4.40 tube and rim.  
C. D. Lewis, Lawrence. Thirty-five White Wyandotte laying hens.  
E. Eckels, Minneapolis. Opossum, two civet, two skunk and 18 muskrat furs.  
Reid Treese, Richmond. Rhode Island Red hens.  
Herman Jaehde, Arnold. New All State balloon tire, 29x4.40.  
Mrs. Abbie Siblebottom, Rozel. Rim and Goodrich tire, 29x4.40, No. 4345-207.  
**Grow some trees on your idle land.**

**GUERNSEY CATTLE**  
**To Reduce Our Herd**  
We offer 30 long two year old Guernsey heifers that will freshen in September and October and some nice young cows. Also three two year old bulls. Address:  
**WOODLAWN FARM, Rt. 9, Topeka, Kan.**

**Registered Guernsey Bull Calves**  
For sale from good producing cows and sire with A. R. ancestors. Write for description and prices.  
**J. F. COOPER, Stockton, Kan.**

**HOLSTEIN CATTLE**  
**Meadview Holstein Farms**  
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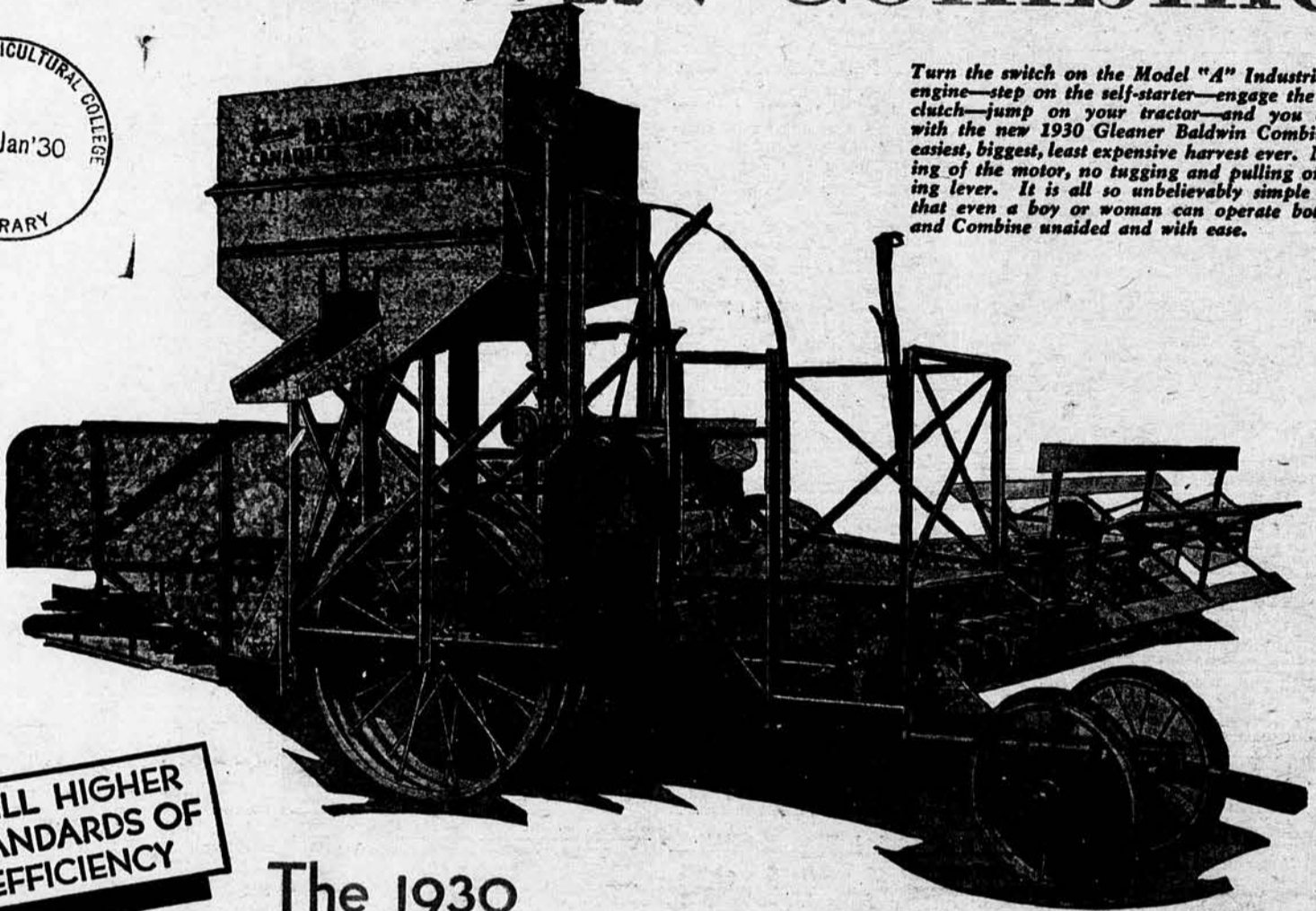
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