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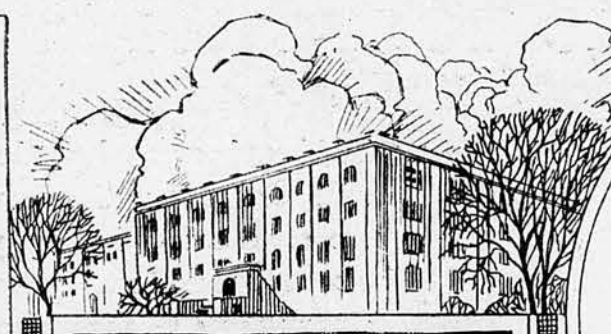
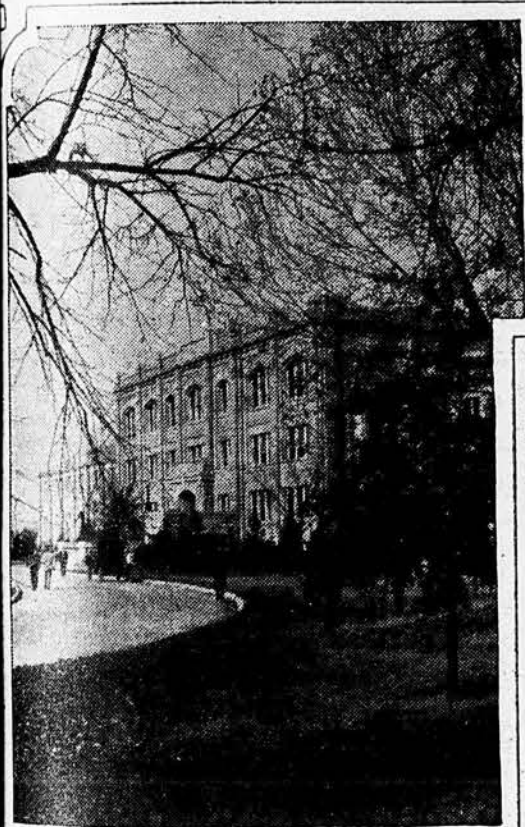
# KANSAS FARMER

MAIL & BREEZE

Volume 65

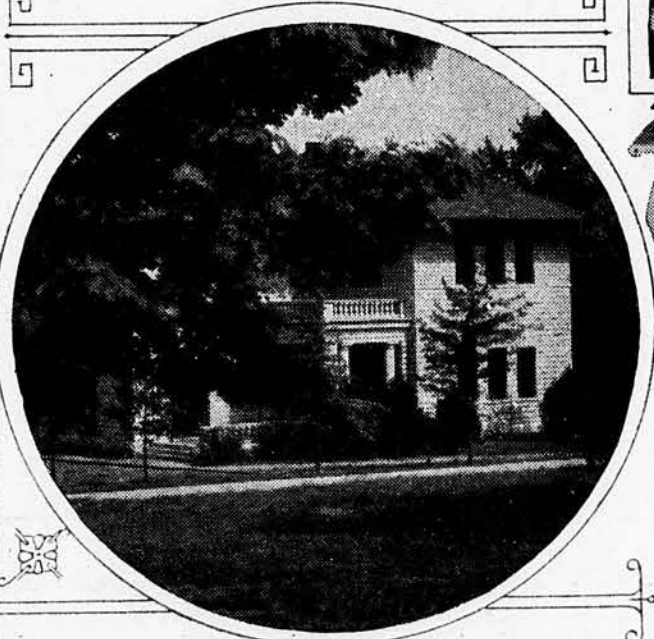
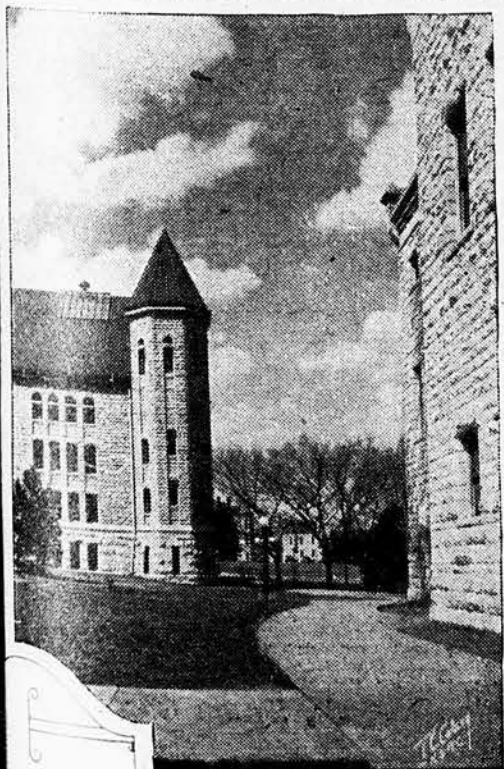
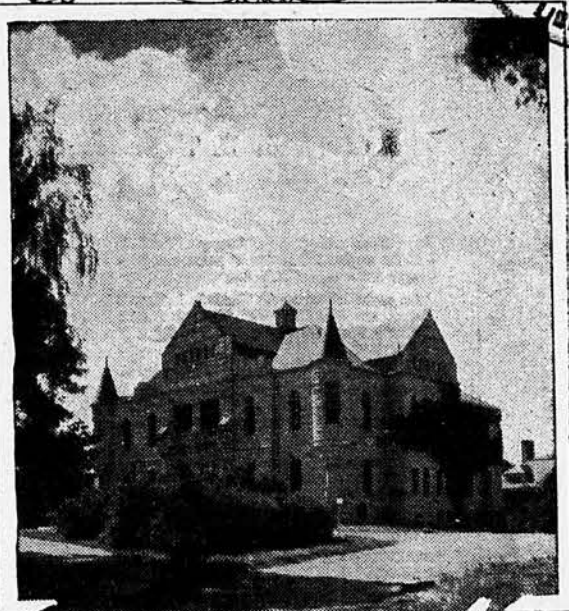
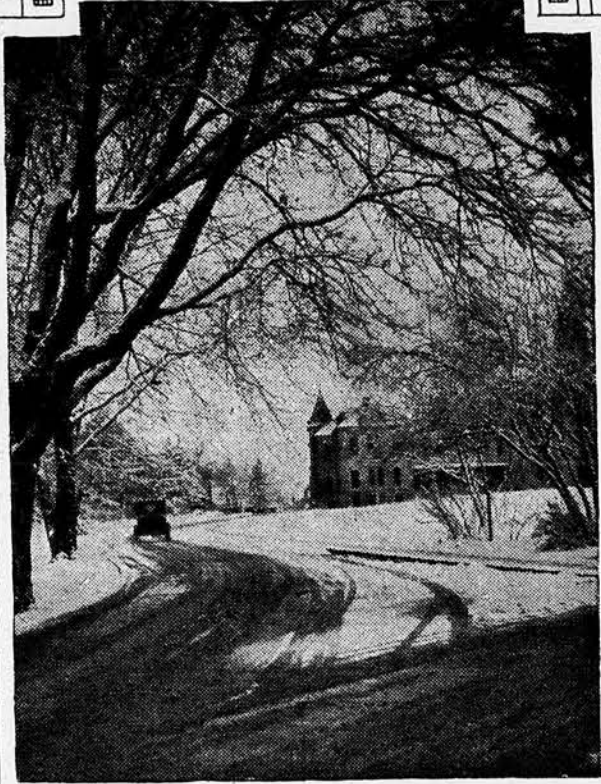
February 26, 1927

Number 9



On the Campus of  
The  
Kansas State  
Agricultural  
College

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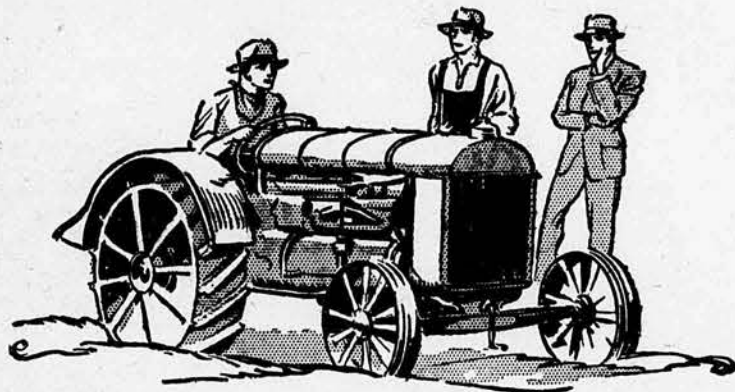


# Why their alfalfa was killed last winter



Last year about 100 farmers of Buffalo County, Nebraska, set out to determine what killed their alfalfa during the winter. The conditions on a farm in Shelton are typical of what they found. This farm has two fields of alfalfa, side by side, which were sown with two different kinds of seed. One field showed a perfect stand while the other was badly thinned out. *The cause of the winter killing was directly traced to poor seed.*

# Poor seed is like poor lubricating oil



Neither cheap seed nor low-priced lubricating oil is a profitable investment. Farmers who turn to Gargoyle Mobiloil are often astonished by the many ways in which Mobiloil returns its small extra price. Less time out for repairs. Fewer stops with a tractor because of overheating or thinned-out oil. Less carbon. Better compression and valve action. And Mobiloil frequently cuts oil consumption from 10% to 50%—saving more than its few cents extra cost per gallon right there.

# Do you realize the importance of these facts?

*Make this*  
**CHART**  
*your guide*

**THE correct grades of Gargoyle Mobiloil for engine lubrication of prominent passenger cars are specified below.**

The grades of Gargoyle Mobiloil, indicated below, are Mobiloil "E," Mobiloil Arctic ("Arc"), Mobiloil "A," Mobiloil "BB," and Mobiloil "B."

Follow winter recommendations when temperatures from 32° F (freezing) to 0° F (zero) prevail. Below zero use Gargoyle Mobiloil Arctic (except Ford Cars, use Gargoyle Mobiloil "E").

If your car is not listed below see any Mobiloil dealer for the complete Chart. It recommends the correct grades for all cars, trucks and tractors.

NAMES OF PASSENGER CARS	1927		1926		1925		1924	
	Summer	Winter	Summer	Winter	Summer	Winter	Summer	Winter
Buick.....	A	Arc	A	Arc	A	Arc	A	Arc
Cadillac.....	BB	Arc	BB	Arc	A	Arc	A	Arc
Chandler Sp. 6.....	A	A	A	A	A	A	A	A
other mod.:	A	Arc	A	Arc	A	Arc	A	Arc
Chevrolet.....	Arc	Arc	Arc	Arc	Arc	Arc	Arc	Arc
Chrysler 4.....	A	Arc	A	Arc	A	Arc	A	Arc
other mod.:	A	A	A	A	A	A	A	A
Dodge Brothers.....	A	Arc	A	Arc	A	Arc	A	Arc
Ford.....	E	E	E	E	E	E	E	E
Franklin.....	BB	BB	BB	BB	BB	BB	BB	BB
Hupmobile.....	A	Arc	A	Arc	A	Arc	A	Arc
Jewett.....	A	Arc	A	Arc	A	Arc	A	Arc
Jordan 6.....	A	Arc	A	Arc	A	Arc	A	Arc
" 8.....	A	Arc	A	Arc	A	Arc	A	Arc
Lincoln.....	A	A	A	A	A	A	A	A
Moon.....	A	Arc	A	Arc	A	Arc	A	Arc
Nash.....	A	Arc	A	Arc	A	Arc	A	Arc
Oakland.....	A	Arc	A	Arc	A	Arc	A	Arc
Oldsmobile.....	A	Arc	A	Arc	A	Arc	A	Arc
Overland.....	A	Arc	A	Arc	A	Arc	A	Arc
Packard 6.....	A	Arc	A	Arc	A	Arc	A	Arc
" 8.....	A	Arc	A	Arc	A	Arc	A	Arc
Paige.....	A	Arc	A	Arc	A	Arc	A	Arc
Pierce-Arrow.....	A	A	A	A	A	A	A	A
Star.....	A	Arc	A	Arc	A	Arc	A	Arc
Willys-Knight 4.....	A	Arc	A	Arc	A	Arc	A	Arc
" 6.....	A	Arc	A	Arc	A	Arc	A	Arc

- (1) Mobiloil is the favorite oil with automotive engineers.
- (2) Mobiloil is asked for by 3 out of every 4 motorists who buy oil by name.
- (3) Mobiloil was used in such famous flights as the U. S. Army Round-the-World flight, Byrd's flight to the North Pole, and Lieut. Maughan's Dawn-to-Dusk flight across the United States.
- (4) The Mobiloil Chart has the approval of 609 automotive manufacturers.



The full economy of Mobiloil will be yours this year if you follow the recommendations in the Mobiloil Chart for your car, your truck, your tractor, your farm lighting engine and your stationary engines. 42 Mobiloil engineers made a careful study of all automotive engines before this Chart was made. Your engines were included.

The Chart is shown at the left in brief form. Your nearby Mobiloil dealer has the complete Chart, Ask him what grade of Gargoyle Mobiloil to use in each of your engines.

The Mobiloil dealer will supply you with the correct grades of Mobiloil—at a substantial saving if you buy in barrel or half-barrel lots. It will be a wise move to see him now about your season's requirements.

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# KANSAS FARMER

By ARTHUR CAPPER

Volume 65

February 26, 1927

Number 9

## Rees Didn't Know It Couldn't Be Done

By Raymond H. Gilkeson

IT COULDN'T be done. That was explained in uncertain terms to John G. Rees out of friendliness. It would have been all right had Rees been satisfied to follow the course that the years had offered some promise of success. But when it was learned what he proposed to do, heads began to shake—some wisely, for they knew the land; others sympathetically, for they feared the worst. Apparently everyone thought it impossible. That is, everyone except Rees. He wasn't above taking advice, but he had his heart set on orcharding, and orcharding he would do—or at least try it once.

There were problems to be solved that might have defeated some men, but Rees dared the worst of them. What was to pay for clothes and food, and make the stipulated payments on the farm while the orchard was coming into bearing? Rees had only \$700 available for the first payment on his Jefferson county eighty.

A good many things have been pronounced impossible. Experts in the field of science have followed a problem to their limit of knowledge, concluding finally that the contrivance they hoped to fashion was entirely beyond human ability. Then some youngster, because he didn't know it couldn't be done, went ahead and did it. Maybe that is why Rees has succeeded. He didn't know it couldn't be done. To say the least he had faith in the new undertaking. He felt that nature would respond in a measure equal to his efforts, and that was a source of satisfaction. The farm offered him opportunities he couldn't see as a grocery clerk. He didn't enjoy the work, and the fixed salary business wasn't to his liking; especially the part of it which told him there was a limit to his earning capacity. He had to scratch pretty lively all the time to make ends meet. He knew it wouldn't be possible to raise his family as he wished to do under those circumstances.

But that is of the past now. Heads that once wagged in all their wisdom and sympathy now nod in respectful comradeship. Rees has earned it. If you call on him this winter probably you will find him tuning in some favorite station. These radio programs bring a heart-warming freshness from the crisp outside air that helps to keep him young. Or it may be you'll find him busy, for there always is plenty of work to do. But he never is too busy to pass along information that might be helpful to someone else.

### Small Fruits Require Care

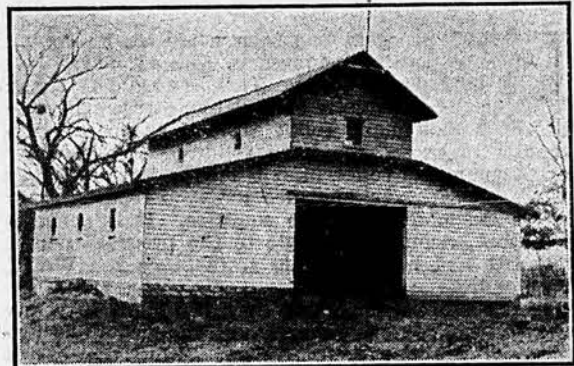
"I've educated nine children, put the orchard on the place, built my home, barns, packing shed, bought all my equipment, paid for the first 80 acres and have added as many more since I came out here," he said one day recently. "And folks thought I couldn't make a living." Overhead expenses, and naturally there were plenty of them, were paid with returns from small fruits while the apples were coming into bearing. Rees cashed in on his grocery store experience liberally in his new work. He had been the buyer at the store, and he knew exactly the kinds and quality of products in the fruit line that made the best impression on the pocketbooks of the buying public, and he planned his work so he could toe that mark.

Rees set out his first orchard in 1903, about 15 acres. There already were some peach trees on the place, but he gave them up, as they were too uncertain. Cash crops set out included raspberries, strawberries, blueberries, blackberries and Red raspberries. All of these have been used successfully and profitably, but Rees warns that they take considerable care. The rows must be kept clean for best results, and the berries must not be allowed to over-run the tree rows. "Blackberries are costly if they are allowed to run," Rees said. "They harbor locusts that sting the trees, resulting in

loss. From one patch in the orchard I got 500 crates of Dunlap strawberries and sold them for \$5 apiece. That is \$2,500 from a single acre, the best I ever did. Seven crates of strawberries in a day was the best picking record ever made here. I gave a round-trip ticket to St. Louis for that. I have found the rapid pickers are the best." Whenever it is practicable, Rees used, and still uses, second hand crates for his berries, as this helped to hold down the expenses. But, of course, he uses new boxes.

Rees always has been able to get plenty of berry pickers from surrounding towns. A local advertisement helps, but there are a number of pickers that count on working for Rees every year, and he depends on them. He provides transportation to and from the farm. "I never have had to discharge a single picker," he said. "Usually I hire women, and, of course, all pickers are instructed on just how to get the berries. I want a half-inch stem on strawberries, for example. Picking by the stem avoids any damage to the fruit, gets the berries on the market in better condition, and they bring the best price. It may seem strange to folks who don't handle fruit to know that I can tell by the 'feel' of the box whether the berries are mashed. There is a difference in the weight. I can tell, too, whether cherries are picked without stems.

"It takes some study if you handle the berries in the orchard properly. Where I've followed berries



In This Building the Fruit Gets Dressed Up for Market. There is Room in the Basement for 2,000 Bushels of Apples. When Not Otherwise Employed the Apple Shed Acts as a Garage and Machine Shelter

on, or whether berries were mashed? Experience taught me that. And it is the same with the trees. I've been at it long enough so I can tell within a few boxes what a tree will pick. I estimate what the best tree will be worth, and from that as a marker I scale my prices down to fit the individual tree. I take into consideration the market prices, of course, and have been getting \$1.50 to \$2 a crate. There is no expense against that, other than spraying, use of the land and equipment.

"I spray when the leaves come out, when the petals fall and again two weeks later. A fourth spray is used after the crop is harvested, of Bordeaux mixture and arsenate of lead. The first tree sprays are lime-sulfur, 1½ gallons to 50 gallons of water and 1½ pounds of arsenate of lead. I also use nicotine for the pesky little cherry aphid in the petal-fall spray. I never have missed a crop of cherries except once during the last 12 years. I would advise setting new cherry trees 20 feet in the rows, with rows 25 feet apart. This makes it easier for disking and mowing, and I think it is possible to produce better cherries."

### Careful Tree Selection Pays

But apples now are the major crop, and that is the idea Rees had in mind some years ago when he was graduated from the grocery store into the orchard business. The first orchard contained 700 Jonathan trees, 400 Grimes Golden, 75 Winesap, 60 Mammoth Black Twig and a few scattering varieties. A few apples made their appearance along about the seventh year, but according to Rees his first profitable crop shows up the tenth year. Now there are 80 acres of apples. Rees has had best results with No. 1 2-year-olds from the nursery. "You get a good run of trees that way," he advised. Careful tree selection at the start will reduce the chances for trouble later on, he believes.

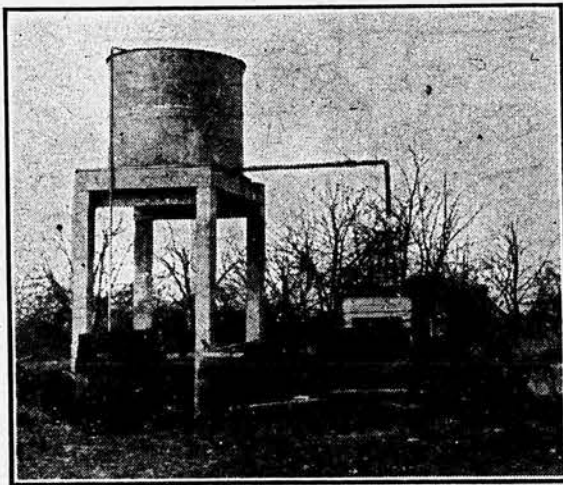
Rees has a selection of varieties of apples that start early in the season and hang on until fall and winter. He had his eye on the marketing end when these plans were made. Plantings now will figure 75 per cent Jonathan, Grimes Golden and Delicious, leaving only 25 per cent for all other varieties. Orchards don't dare become old-fashioned. Market demands on them change from time to time, like fashions in dress or household furniture, and Rees isn't going to let his trees become back numbers in the sight of best orchard and market society. Jonathans and Grimes Golden have been the best paying apples thru the years, then Stayman Winesap, Old Winesap, York Imperial and Black Twigs.

Collar rot got some of the Grimes Golden trees Rees had. "I think this can be overcome by shallow planting," he said, "and then you can plow some dirt up to them. Trees are set too deep as a rule. I advise setting them 2 inches deeper than they were in the nursery."

A careful spraying program is followed to guard against disease and other apple dangers. "The canker is our worst enemy," Rees explained. "Cutting off the cankered limbs and painting the wounds with thick oil and mineral paint will stop its spread and avoid decay." Pruning is another item of importance with apple trees, Rees has found. His old orchard has suffered some damage from splitting trunks. There the open top system of pruning was used. He gets away from this danger now, however, with the modified leader. In case there are any weak crotches, he puts in bolts to prevent damage.

An interesting thing showed up in Rees's orchard cultivation. His old orchard was in grass, and he plowed up half of it, adding some manure. And he

(Continued on Page 25)

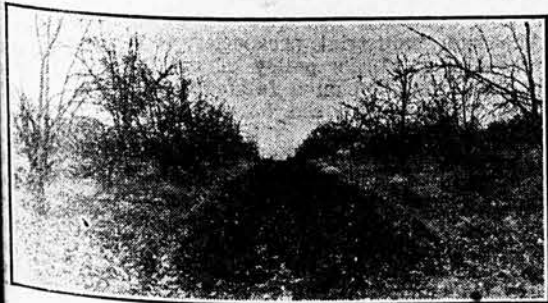


Here is Some of the Apparatus Rees Uses in His War on Insects and Diseases That Endanger His Fruit. He Applies the Spray Under 350 Pounds Pressure to Break It Up Fine and Make It More Penetrating

after berries they failed. Of course, if you want to go in for berries alone, the best place to grow them is on old timber land." Rees intercropped with corn a great deal, to "spell" the ground from small fruit. He likes corn because it comes out every year and the cultivation required is good for the growing orchard. Rees intercrops until the orchard comes into bearing, and then stops. The producing trees need the food for one thing, and it is more convenient to run the spraying apparatus without intercrops to hinder.

Speaking of cherries, Rees has 500 producing trees and 100 that will come in from year to year. He favors Early Richmond for the early crop and Montmorency for later on. His plantings in season now all are of the late variety. "They are larger," he explained, "and they come right at canning time. Then the market is better than is the case with earlier cherries." A lot of the cherries are marketed right on the trees now, and customers drive from as far away as 50 miles to pick them. Advertising brings them, phone calls do their share and regular customers remember from year to year and put in their bids ahead of time so they will not be left out. Rees puts a "sold" sign on the tree a customer buys, and everyone else keeps "hands off." "I never have missed selling a man a tree of cherries, if he came out here expecting to buy it," he confided. "I may not get as much for my cherries as I would picking them myself, but this method eliminates the expense of pickers, crates and a lot of bother. Then this way I always have a good market for my cherries. There is no anxiety of waiting for the commercial men to ask for them and no storm damage waiting for market changes.

"How do I set the prices on the trees? Well, you remember I told you I knew by the weight of a box of cherries whether the stems had been left



Rees Likes to Stir the Soil Even in Old Orchards, and He Doesn't Think Livestock Should Be Pastured Among the Trees. The Picture Shows Open Cultivation in the Apple Orchard This Winter



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WE GUARANTEE that all display advertising in this issue is reliable, and should any subscriber suffer financial loss thru fraudulent dealing resulting from such advertising, we will make good such loss. We make this guaranty with the provisions that the transaction take place within one month from the date of this issue; that we are notified promptly and that in writing the advertiser you state: "I saw your advertisement in Kansas Farmer."

**R**EAL progress has been made in developing the poultry business in Kansas in the last half dozen years. This change has taken place so quietly that it has escaped the notice of a good many folks, altho it has been plain enough to those who have followed the week-by-week comments concerning it on the poultry pages of Kansas Farmer, and also the crop reports, from the correspondents in the counties. It is perhaps the most encouraging angle to the progress which farming has made in this state since the World War ended.

If one started on a trip over the state 10 years ago it was the exception when he encountered a flock of standardbred poultry. Now the scrub flock is the exception. Flocks are larger. Incubators and brooders have been improved. The day-old chick business has developed to amazing proportions. Proper nutrition and the importance of direct sunlight are much better understood. Production is on a decidedly high basis as compared to "them good old days," even if the average egg production a hen is not yet all that could be desired.

Progress has been made in working out better marketing methods, but these have not kept up with the development of production. Some real effort is needed along this line in the next few years if the business is to reach its "place in the sun."

### Land Bank is Busy

**T**HE Federal Land Bank of Wichita was granted a charter by the Federal Farm Loan Board on March 1, 1917. Loan No. 1 was closed April 10, 1917, thru the Pawnee county, Kansas, National Farm Loan Association, Number 1. That was the first Federal Land Bank loan in the United States. Since that time, every effort in accord with sound business principles has been made to extend the service of the bank to eligible, borrowing farmers in the Ninth Federal Land Bank District, composed of Colorado, Kansas, New Mexico and Oklahoma.

Since its organization, the bank has closed 33,629 loans, amounting to \$107,418,550, of which 28,920, totaling \$92,476,050, were in force December 31, 1926. During 1926, The Federal Land Bank of Wichita closed 1,833 loans, amounting to \$6,478,900, distributed as follows: Kansas, 442, \$1,946,400; Oklahoma, 667, \$1,957,000; Colorado, 462, \$1,793,600; New Mexico, 262, \$781,900. The number and volume of loans in force increased in each state in 1926.

The smaller demand, and consequent reduced business in new loans, in 1926, reflects generally improved agricultural and financial conditions thruout the district.

Other sources of credit have been available to farmers. Interest rates have been reduced more nearly, or sufficiently, to meet the rates of The Federal Land Bank of Wichita. Farm mortgage contracts have been liberalized further as to terms and conditions. Agriculture no longer bears the burden of excessive rates of interest and heavy commissions on farm loans.

The Federal Land Bank System has brought relief to sorely oppressed farmer-borrowers. The Federal Land Bank has earned the support of every friend of those engaged in agricultural pursuits.

### Slandering Eminent Men

**V**ISCOUNT GLADSTONE'S success in exposing the falsity of Captain Peter Wright's statements regarding his father, the pre-eminent Victorian statesman, is gratefully recognized in this country, for it would be a sad thing even for Americans to have the reputation and character of Gladstone soiled with smut. The jury found Captain Wright guilty, and an exclusive London club expelled him.

The slanders against Gladstone's private life are such as have frequently been retailed in and out of Washington against equally eminent Americans, not excepting Presidents. Theodore Roosevelt compelled a withdrawal of charges that he was alcoholic, but two Presidents, Cleveland and Wilson, have been the worst victims of personal slanders such as those ventilated publicly by Captain Wright, with not a particle more basis. The strange thing about scandal regarding the private lives of Presidents is that it has been indulged in by men of very high position, tho not publicly. They will relate the most extraordinary tales of moral delinquency of Presidents whom they dislike. In the case of Wilson, William Allen White in his Life of Wilson, went to great pains to run down the falsehoods

# Passing Comment

—By T. A. McNeal

and gave a chapter to a description of the woman concerned and her friendly and useful relations to the then President. Not only were such tales circulated, but men high in official life in Washington stated that President Wilson made as much as 3 million dollars from the famous "Wall street leak" of his war message, notwithstanding that his estate after his death was worth no more than he could reasonably have saved from the Presidential salary for eight years. A political novel lately published describes President Harding, only slightly masked as a character in fiction, as under the influence of a woman in Washington, tho there is no more foundation for this scandal than for those against Roosevelt, Wilson and Cleveland.

The complete collapse of Captain Wright's lies about Gladstone, once he was placed on the witness



stand and obliged to support them with evidence, are a warning against giving any credence to scandalous rumors and gossip against the private lives of eminent men. Washington reeks with such tales, and perhaps every other great capital does, also. But the foundation for such gossip is "politics." It is a part, and one of the most discreditable parts, of the "game."

### Kansas and the Death Penalty

**R**EVIVAL of capital punishment in Kansas, which is favored by some members of the Senate Judiciary committee, would be a backward step for this state and probably will not meet the approval of the legislature. No new arguments have been heard in recent discussions of this proposition, which comes up periodically, and usually as a consequence of a crime wave.

Unlike most states that have abolished capital punishment, Kansas came to this course thru its governors, who refused to sign executions. After many years, capital punishment was stricken off the statutes.

Abolition of the death sentence has been a gradual process. Three centuries ago it was inflicted for a dozen or more offenses. Regard for human life was slight. As civilization advanced, however, one after another of the offenses was taken out of the death penalty class, until one only

remained. In the last century state after state totally wiped out the death penalty.

There has never been a step taken in this advance, however, that protests such as are heard today were not encountered, that diminishing the penalty would only promote crime, but nobody, probably, even the most ardent believers in capital punishment, would favor reviving it for the many offenses for which it was the penalty in the past.

The proposal in the Kansas Senate is to revive the death penalty for murder committed in the course of other crimes, as burglary or bank robbery. The fact is that such murders are infrequent in comparison with such other crimes, and it is the other crimes that cause the great trouble and annoyance. Chicago is notorious for exactly this sort of criminality, and yet Chicago has the death penalty for murder. If it is desired to check burglaries, bank robberies, automobile thefts and so on, why not provide the death penalty for these crimes? Nobody proposes doing so, because nobody believes that it would have the desired effect. Yet there are folks who believe it might have the desired effect to impose the death penalty for the incidental killing. Michigan, next door to Illinois, and with nearly as large an urban population, but without the death penalty, has less crime of violence than Illinois, with the death penalty.

The problem of crime, including murder, is undoubtedly as serious as any Kansas Senator thinks it is, but the remedy is not so certain. The impulse to "pass a law" or to "do something" about it is natural enough, but ought to be resisted when it advances nothing new, but proposes merely to go back and try what has been tried and abandoned.

If crime waves are cured it will not be by revival of the death penalty, which evidently fails to work where it exists, but by such study of the problem as many organizations are making. When penitentiary wardens, criminologists, crime commissions, prosecuting attorneys and judges unite in recommending capital punishment as a cure for crime it will be time to consider such a step in Kansas. In Massachusetts a few years ago it was proposed to abolish capital punishment, and a majority of the prosecuting attorneys of the state favored doing so on the ground that capital punishment is not a deterrent or preventive of murder. There is no evidence anywhere that it is a remedy.

### The First American Billionaire

**I**N ITS action to compel Senator Couzens or Henry Ford or both to pay 30 million more income tax, on the ground that the profits of the company had not been adequately set forth, the Treasury has given Henry many times over 30 million dollars of the most desirable front page advertising and has succeeded in proving that he is America's first billionaire by testimony of its own witnesses as well as admission by Edsel Ford. It does not appear, however, that Senator Couzens has been so fortunate. In the end the Government may exact some millions of past income tax from Couzens without passing him out any advertising matter.

"What would I do with all that money?" Edsel Ford replied to offers of a billion dollars for the Ford plant from Wall Street. He and his father might go into airplanes and sell airplane "Lizzies" to 6 million farmers, but there is no love for Wall Street in the Ford family, and its members will keep the Ford plant.

In the remarkable series of articles in the World's Work, which have stirred big business more than any economic discussion in some years, by William Trufant Foster and Waddell Catchings, going to show that the development of the automobile industry has brought about the present American industrial prosperity, it is pointed out that Henry Ford's policy of not borrowing from banks is founded on a fallacy, and that Ford has been benefited by the borrowing from banks of other manufacturers.

The point made by Foster and Catchings is that producers of consumers' goods cannot pay out as much as consumers must pay, and no advance in prosperity is possible unless consumers pay for goods more money than they have received from business in making those goods. How it happens that consumers do pay more for consumers' goods than is paid to consumers in producing consumers' goods is explained by these economists. It happens because new capital is constantly being invested in producing capital goods, that is, plants and machines. Wages are paid out and land purchased



thereby in large quantities before consumers' goods are produced by these improvements, and the interval of these capital outlays enables consumers not only to purchase all the goods actually produced, but even to lay by savings for new capital outlays.

But the money expansion for such outlays is obtained by borrowing from banks and other sources. Such borrowing by the automobile industry on a gigantic scale has been mainly responsible, according to these writers, for the remarkable heights to which American prosperity has risen in the last 20 and especially the last 10 years. "Never before," Foster and Catchings say, "has any industry made such large additions in so short a time. Its capital investment up to 1907 was negligible. Ten years later it was approaching a billion dollars. Ten years later it is 2 billions." Henry Ford has obtained the capital for his additions out of his profits, without borrowing in recent years, since his feud with Wall Street. "Henry Ford, for example," Foster and Catchings remark, "seems proud of the fact that he does not have to borrow from the banks, because he has a large amount of money which he has saved out of profits. Those savings, however, could not possibly have been so large had not other men, in their resort to the banks, played an essential part in adding to the money in circulation." It is only the money that gets into circulation that counts in enabling consumers to buy more consumers' goods than the producers of such goods pay out in producing them.

There is a point in the fact that Henry Ford, America's first billionaire, is not the object of popular execration, suspicion or envy, while many financial magnates are. It is a demonstration that the attacks on business men and methods from time to time are not to be attributed to the envy of the great majority of people. Henry Ford has made more money than anybody, but the public looks on undisturbed and pats him on the back, telling him to "go to it." The reason is because there is a belief that Henry Ford has made money by legitimate methods and has given a dollar's service for every dollar he has received.

### Turning Against Mussolini

ITALIANS in the United States who have pretty generally hailed Mussolini as a political wizard are beginning to turn against his government. It is an inconsistency of American foreign policy that it refuses admittance to this country to all agents of Russia except financial agents, who seem to be freely entered, because Russia supports political principles opposed to those of the Constitution of this country, but there is no boycott of agents or propandism of Mussolini, who maintains a government in Italy completely antagonistic to every principle of the American Constitution.

An Italian, Luigi Criscuolo, identified with a New York financial house and until recently a supporter of Mussolini, writes for the Boston Transcript a sharp criticism of the progressive tyranny of the Mussolini regime. "Those of us who had good reasons for welcoming Mussolini to power in Italy in 1922," says this writer, "strongly disapprove of the methods he has seen fit to use in governing the Italian people." His attack marks, says the Transcript, "a break in the hitherto unanimous chorus of approval accorded Fascism in financial circles here." This would indicate that financial circles are not particularly loyal to the principles of the American Constitution, since Fascism under

Mussolini is as hostile to them as is Russian sovietism.

"There is no doubt," says Mr. Criscuolo, "that Mussolini and Fascism have done a great work in restoring Italian confidence and patriotism at home as well as confidence abroad. There also is no doubt that having restored confidence at home and abroad, Italy's rulers should have gradually brought the country to normality with respect to government and industry, and eventually have restored representative government, to establish which so many sacrifices have been made in the past."

Instead of so doing, the trend has been steadily away from representative government. The liberties of Italy have been more and more violated by Mussolini's rule. Mr. Criscuolo recites some of the steps of violence he has taken. "He has deprived them of their constitutional rights, suppressed newspapers, created a system of espionage which prevented the liberal expression of opinions, made it a crime to criticize the government or the premier, abolished Masonic organizations, expelled all but Fascists from public office, forced distinguished citizens into exile, attempted to regulate the style of women's clothes, instigated violence or murder



against political opponents and abolished municipal offices which were formerly elective and replaced them by the appointment of a podesta, which full power feathered the nests of all Fascist leaders who obeyed the rules of the game."

Attempts to assassinate such a tyrant, the writer of this attack thinks, "are merely a faint rumbling in comparison with what will be heard when the Italian people realize that in accepting Fascism they have renounced all that every great Italian thinker from the days of Imperial Rome to the present has written or preached about, and which most of them held dearer than life. A people who produced so many martyrs for the cause of liberty will not allow for long to remain unanswered the vain boast of the duce—that he intends to trample upon the decomposed carcass of the Goddess of Liberty."

The writer notes that "we have Fascists in Amer-

ica, and their organizations have for a long time been considered out of place." They have more converts, mainly, however, among "financial circles," than Russian communism has gained or hopes to gain in the United States. But as this Italian writer says, they are evidently as much "out of place" in this country.

### Half to the Children

A and B are husband and wife. A gets into trouble and deeds his property to his wife to escape judgment. Then B makes a will, leaving everything to A during his lifetime, and at his death it is to go to his children. B dies and the children ask A for a settlement. A told his children that B left a will giving him a life interest and at his death it would go to the children. The children did not force A to probate the will, thinking he would treat them on the square. A gets married again, and after 15 years comes to his children and asks for a division of the land. A says the will is lost, and does not wish to let the children probate the will or pay for any back rent. If they cannot probate the will can they go back to the time of their mother's death and collect their half of the rent? Would this be called an open account? A has never paid them anything or made any settlement of any kind. What rate of interest could they collect? Could they collect compound interest? H. G.

If A elects not to use the will, as he seems to have done, then half of B's property will go to the children. They were entitled to this half. The only way in which this matter could be settled would be for them to go into court and ask for a partition of the property and also ask for a judgment against A, their father, for an accounting of the rents and profits of the property belonging to them which he has held during these 15 years.

### Six Months in Nebraska

If a woman living in Kansas obtains a divorce here, how long would it be before she could lawfully marry again in Nebraska? How long in Nevada? B. W. S.

In Nebraska she would not be permitted to marry within six months after the decree of divorce was granted. In Nevada if she could show that she had a decree of divorce she might marry at once, provided she had established her residence in the state.

### B Can Obtain Judgment

A owes B a note which is made for one year at 6 per cent interest if paid when due, and if not paid when due to draw 6 per cent from date. A pays the interest, and is unable to pay the principal. B refuses to make a new note. Can B collect the note, or could B take personal property for pay? R.

Undoubtedly B is entitled to a judgment on this note, it not having been paid according to its terms, and having obtained a judgment he could levy on any property which is not exempt on the part of the judgment debtor.

### Write to Washington

What is the process of law required to obtain a copyright on a story or any other kind of publication? W. R.

Write to the Register of Copyrights, Washington, D. C. Send a copy of the book or article you desire to have copyrighted together with a registration fee of \$1.

### Not If They'll Pay!

I own and operate a portable grinding mill. Is it against the law for me to charge cash or grain as toll for grinding feed or grain for my neighbors? H. No.

# Why Have We Prospered?

A JOB for every man; chronic poverty, the world's most ancient curse, disappearing. This is the situation of the American people in the early weeks of 1927, as seen by so eminent a national engineer and administrative genius as Herbert Hoover.

In addition, the people's savings and investments have mounted in an unparalleled way for the last six years. We now have 54 labor banks with resources of 122 million dollars and deposits of 105 million dollars, the first one starting only six years ago.

Besides all this, we lent other countries last year 1,200 million dollars in the form of new American capital.

Only the farm industry lags. And that is due principally to the economic inequality from which it has suffered in increasing measure for more than 30 years. This will be remedied, because it will have to be.

Whence comes all this good fortune? Not from the war. The war destroyed or invalidated, the cream of our young manhood. It increased our public debt from 965 million dollars to 25 1/4 billion dollars. It has cost us many more billions beside, and will cost us many more billions in years to come. For several years it fastened an interest charge on the American taxpayer which alone exceeds each year the amount of our entire national debt before the war. War does not make nations nor peoples prosperous.

I think we can lay a considerable share of this nation's abounding good fortune to six years of national prohibition superimposed on many more years of prohibition by the states; to the tremendous increase in our industrial efficiency resulting

largely therefrom; to the rise in the last six years of a new and hitherto lacking nation-wide thrift, which seems but another outcome of this same cause, and which, as Mr. Hoover points out, finds us in this year of our Lord, the best housed, the best fed, the best clothed people that ever inhabited this earth.

Dartmouth College recently asked John H. Crawford, director of the Kansas Department of Labor, whether prohibition had resulted in any decrease of industrial accidents in Kansas.

Mr. Crawford replied that in the eight years he had been in charge of industrial accident statistics, not a single accident report gave intoxication as the cause.

Kansas has had prohibition for half a century. It spent many years in experimenting and pioneering in this reform, gradually perfecting the Kansas law. Earnest enforcement of the law in Kansas dates back 20 years, after its increasing benefits could no longer be denied.

Eastern and big-city enemies of prohibition say if the prohibition law was made more liberal they would be satisfied and the more liberal law would be obeyed. Kansas has been thru all that. The truth is that no law in any way regulating the sale of liquor has ever proved satisfactory, or has ever been obeyed anywhere by keepers of saloons or of public houses.

Most of the would be nullifiers of prohibition by referendum, profess they do not want to destroy prohibition, they merely wish to change the law. But it appears the wets who so suddenly have become interested in states rights in handling the liquor question, are not interested in states rights, but in "likker."

The largest of our anti-prohibition societies makes the boast it does not receive financial support from brewers and distillers. Yet only recently it has been found receiving such aid from liquor organizations and has had its hypocrisy publicly exposed in the House of Representatives.

Several scores of deaths in Eastern cities during the holiday season, from bootleggers' poison liquor, have been laid by the wets to the required use of certain poisons in denaturing alcohol for commercial purposes, a long-time practice. However, several Eastern physicians have declared these fatalities may quite as likely have been due simply to overindulgence in the raw liquor which now is supplied to those who violate the law and risk life and health in drinking it.

When we remember the thousands killed annually by "good" liquor, when every city had several Keeley Institutes which offered the chronic drinker his last chance to avoid a drunkard's grave, the several scores of deaths holiday week from bootleg, seem a much lesser evil.

I do not expect to see national prohibition repealed, nor modified. Should it be made a national issue in the campaign of 1928, I believe the party, or the candidate, who stands for nullifying, modifying, or weakening the law, will be soundly licked, as will also be the pussyfooter.

*Arthur Capper*

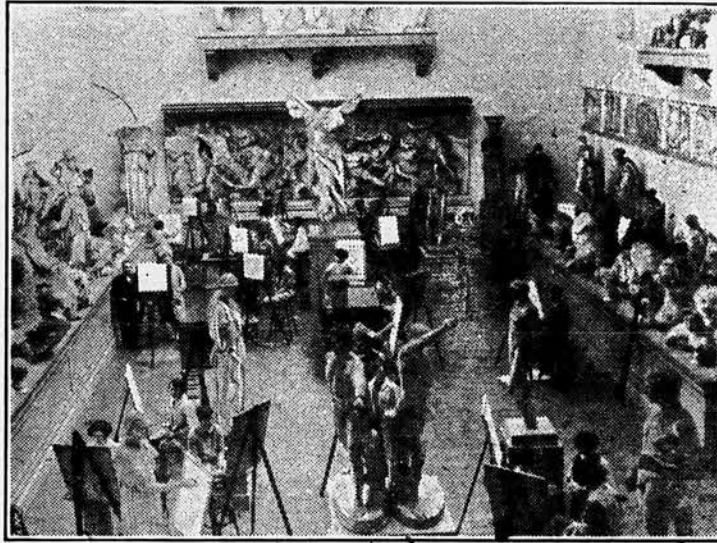
Washington, D. C.



# World Events in Pictures



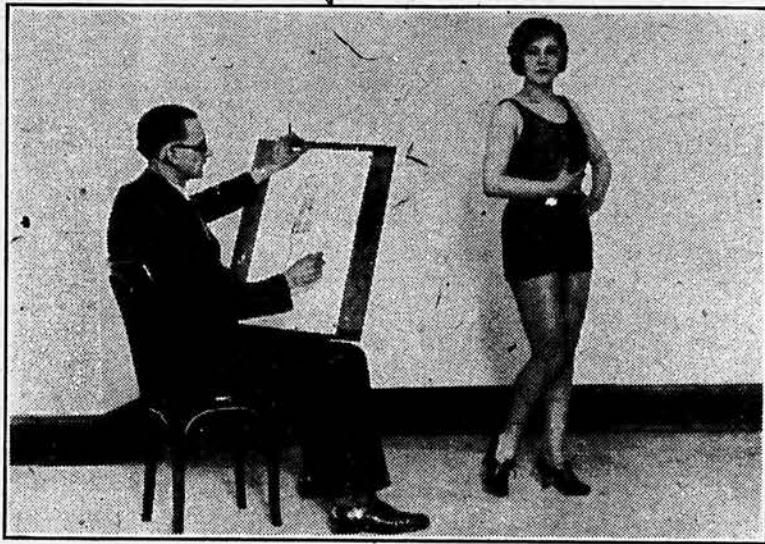
Here Come the Bride and Bridegroom Aquaplaning at 40 Miles an Hour Behind a Speedboat at Long Beach, Calif. But it Was Only a Mock Wedding Staged During a Recent Aquatic Celebration



Girl Art Students of Boston Sketching Amid Some of the Treasures of the Museum of Fine Arts of Boston. These Youthful Artists Select Characters from Early Greek Mythology as Their Subjects as Well as the Works of the Masters of the Middle Ages



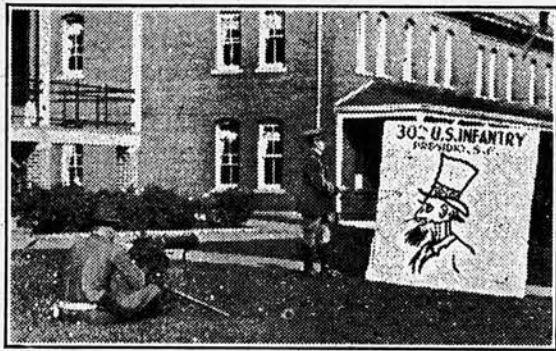
Cornelius Vanderbilt, Jr., \$3,000,000 in Debt, Leads a Simple Life in an Effort to Pay His Creditors. He Does His Own Work from Shoe Shining to Cooking His Meals



France Didn't Have a Bathing Beauty Who Meets the Requirements for a Poster Model, so Robert Clarke, an American Artist, Was Commissioned to Make a Series of Posters with an American Bathing Beauty as Model. He is Shown Here Sketching Alice Ridnor, in His Los Angeles Studio



A Group Fashioned of Sand, Representing Men Firing a Machine Gun. An Ex-Service Man Who Fashioned This Sand Masterpiece, Was Convalescing on the Oregon Coast Close to the Seaside. He Titled It "The Machine Gunners of the Argonne"



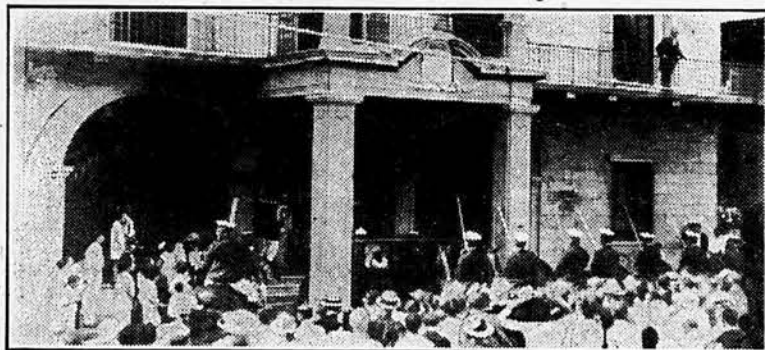
It Took 5,000 Rounds of Ammunition for Corporal A. J. Fekely to "Draw" This Picture of Uncle Sam with a Machine Gun. Col. F. C. Bolles is Shown Studying This Masterpiece in Marksmanship



Henry Sullivan, Lowell, Mass., the First American and the Only Man Ever to Have Conquered Both the English and Catalina Channels



These Are Not Amazons, but Members of the University of California Women's Rifle Team in Action on the University Rifle Range, Berkeley. The Girls All Are Crack Shots



The Duke of York is Shown Leaving the Residence of the Foreign Minister Alfaro, of Panama, Who is Seen on the Balcony. The Duke Went There to Pay a Visit to Governor Walker of the Panama Canal



George Young, the 17-Year-Old Toronto Boy, Winner of the Catalina Channel Marathon, with Two of a Cohort of Beauties Who Met Him Upon His Arrival in San Francisco. They Are Kathleen Heeber, Left, and Billie Goff. Both Are Actresses



# Another Blow to Kansas Thieves

By O. C. Thompson  
Manager, Protective Service

THIEVES who have been making their living stealing the property of hard-working Kansas farm folks are going to learn soon that they are up against about the toughest proposition they ever have tackled. Here is a challenge to Kansas thieves from Attorney General Smith and hundreds of Kansas farm folks. The Protective Service has the backing of the highest law enforcement authority in the state, for Attorney General William A. Smith has enlisted with the farm folks of Kansas, the sheriffs and county attorneys of the state, and the Kansas Farmer and Mail & Breeze Protective Service in the war on Kansas thieves. "Bill" Smith is a fighter. When he starts out to do a thing he does it, and does it right. Every peace officer and every member of the Protective Service can know they have the unlimited backing of our efficient attorney general in this fight on crooks and thieves. Here is what Attorney General Smith says in a letter he wrote us February 11th endorsing the Protective Service:

"I have examined the plan of the Kansas Farmer Protective Service and wish to give it my hearty approval.

"My experience in the enforcement of the law has taught me that the most efficient method of law enforcement is swift and sure punishment. To one who is not acquainted with the working of our machinery of government it might appear that this could be brought about by the duly constituted law enforcement agencies, such as constables, sheriffs, justices of the peace, and city police. However, I have become convinced that this is not true; that there is a real need for a law enforcement agency which is not now provided by our statutes. In my opinion, an agency such as the Kansas Farmer Protective Service fills this need.

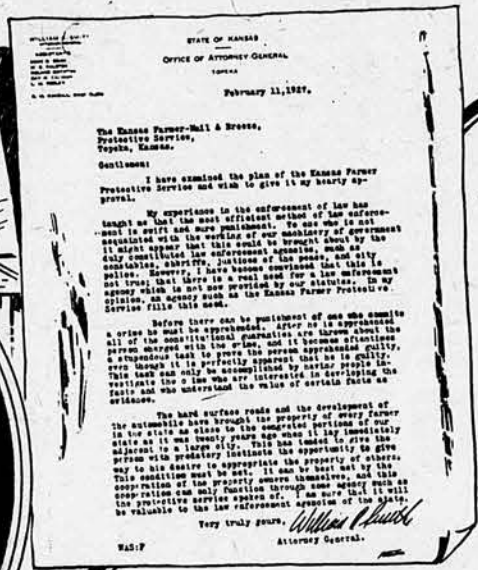
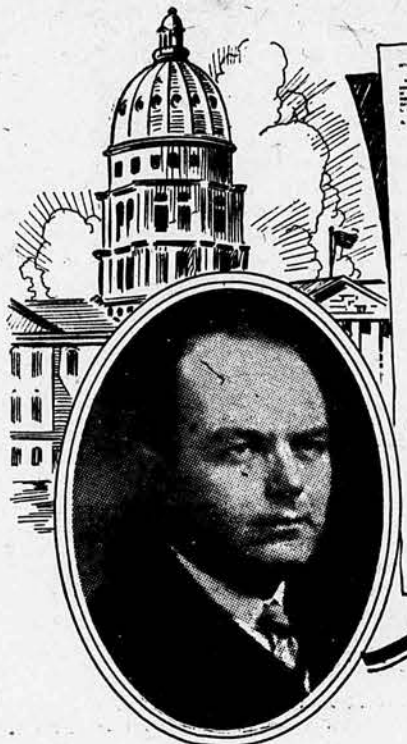
"Before there can be punishment of one who commits a crime he must be apprehended. After he is apprehended all of the constitutional guaranties are thrown about the person charged with the crime, and it becomes, oftentimes, a stupendous task to prove the person apprehended guilty, altho it is perfectly apparent that he is guilty.

This task can only be accomplished by having people investigate the crime who are interested in developing the facts and who understand the value of certain facts as evidence.

"The hard surface roads and the development of the automobile have brought the property of every farmer in the state as close to the congested portions of our state as it was 20 years ago when it lay immediately adjacent to a large city. This has tended to give the person with predatory instincts the opportunity to give way to his desire to appropriate the property of others. This condition must be met. It can be met best by the co-operation of the property owners themselves, and this co-operation can function only thru some agency such as the protective service. I am sure that it will be

valuable to the law enforcement agencies of the state. Very truly yours, William A. Smith, Attorney General."

Note that Attorney General Smith said in his letter, "My experience in the enforcement of the law has taught me that the most efficient method of law enforcement is swift and sure punishment." Swift and sure punishment—that's the kind of medicine that is going to cure this thieving situation. The Protective Service is going to pay \$50 for each dose of the "swift and sure punishment" medicine given to the thieves who steal from farms of members of the Protective Service where the



William A. Smith, Attorney General of Kansas, and a Reproduction of the Letter He Wrote Endorsing the Protective Service. Read Attorney General Smith's Letter Which is Printed on This Page

Protective Service sign is posted. From the way enrollments are coming in for membership in the Protective Service it looks as if about every farm in Kansas is going to be posted with a Protective Service sign. The enrollments are coming in by the hundreds every day. Kansas farm folks are out to put a stop to the stealing of property—they have their coats off and their sleeves rolled up and are going into this fight with us in earnest.

I wish I could print all of the many interesting letters coming in from our subscribers who are enrolling in the Protective Service, but that would be impossible. One whole issue of the Kansas Farmer and Mail & Breeze would not begin to hold all of them. Here are extracts from just a few of the letters.

One of the first applications that came in for

membership in the Protective Service was from W. S. Narron of Sumner county, who says, "I, for one, am glad this thieving subject has come up for discussion. During the years 1923-24-25 I had floods and lots of damaged wheat unfit for market, so I began buying hens at sales. I had about 900. Of course, the thieves were at the sales too and got my number, so about every 30 to 60 days they would lift about 50 hens off my roost. They have been here nine times. One time they got about 125. I have had to quit the hen business and have only 45 now." Mr. Narron certainly has had his trouble with thieves and we hope the Protective Service will get to pay a reward for the capture and conviction of the next thieves who visit his place—if any do, after he posts his Protective Service sign.

Here's one from a reader who is more fortunate. Samuel Lenhart of Dickinson county joins the Protective Service and says, "We have had no stealing done around here that I know of. I live in a fine community but no telling how soon some of those fellows will come around. Here's hoping this service catches them all." Mr. Lenhart believes in locking the barn door before the horse is stolen.

The Protective Service strikes Howard O. Wetzel of Osage county, just right, for he says, "I have been wishing for some time that an organization of this kind would be started, and I want to congratulate the Kansas Farmer and Mail & Breeze on being the one to start this service for its readers in Kansas."

And here's another one of our readers who has had some serious losses. L. L. Silcott, Harper county, asks that we send him a Protective Service sign as soon as possible, and writes, "I had 50 fine Rhode Island Reds taken while we were away from home. The thieves backed their truck or some big-tired machine right up to the hen house and helped themselves. One of my neighbors lost four sets of brand new harness that were worth more than \$300. We have lost 90 chickens in two raids. The chickens were worth about \$100. One of my neighbors bought two new truck tires and thieves came one night and took one of the tires off the truck wheel. My neighbor west of me lost a whole brood of fine young spring chickens. The thieves took hen and all." If Mr. Silcott's letter is a sample of what is going on in Harper county, every farmer in that section ought to have a Protective Service sign. Nothing would please us better than to get to pay rewards for catching the thieves who have been doing this stealing.

Deane L. Smith of Anderson county, breeder of registered Jerseys and registered Durocs, says of the Protective Service, "This is something that is needed everywhere, and I am glad you are taking it up. A sign like this will make some 'light fingered' people think before taking things."

The thieves certainly have been after the property of Hugh Walker in Graham county. Here are a few (Continued on Page 17)

## Used Movies to Simplify Instruction

THE Advance-Rumely Thresher Co., of La Porte, Ind., has just completed two tractor schools held in the Kansas Territory. The first school was held at Wichita February 1 to 4 and the second at Kansas City February 2 to 5. These schools were under the direct personal supervision of J. M. Ulen, divisional sales manager and better known in this country as Jerry; J. A. Drennen, J. H. Wade, C. S. Gray and A. H. Pontius. E. L. Kirkpatrick is the local manager in charge at Wichita and M. R. Voorhees at the Kansas City branch.

Several new features were included at this year's schools. One was the instruction, given for the first time, on combine harvesters, this company making two models of combines and the other feature was the motion picture method of instruction.

The movies certainly have simplified instruction on tractors and threshers and they now show actions which never could be viewed in any other way. The Advance-Rumely people had more than 7½ miles of motion picture film at the schools this year. The outstanding picture was that showing the interior of a thresher while at work. This was an actual movie of a thresher with top and sides removed, threshing wheat. Every operation was clearly shown.

C. K. Shedd, of the Agricultural Engineering Department of Kansas State Agricultural College spoke one evening at the Wichita school, while H. B. Walker, chairman of that department, was the speaker of the evening at Kansas City on February 2. Lou Holland, President of the Kansas City Chamber of Commerce, followed Professor Walker

on the program and gave a very interesting talk. The Wichita school with an attendance of 627 surpassed by more than 100, any other school the company has ever held. The enrollment at Kansas City was 265. The primary purpose of the schools was to help farm folks know more about their power farming machinery.

Manufacturers know that the only chance any manufacturer may have for success lies in the success of the users of his machines. It is only thru the growth and success of power farming that tractor manufacturers can hope to live and conduct their businesses on a profitable basis, hence they feel that they should bring out to the power farmers all of the very latest news and instruction in the operation and maintenance and repair of power farming machinery. Tractor schools do this.



Two Unusually Successful Tractor Schools Were Held Recently by the Advance-Rumely Thresher Company. One at Wichita and the Other at Kansas City. The Picture Shows How Popular These Schools Were. Attendance at Wichita Numbered 627, Which is 100 More Than Any Other School the Company Has Held



THERE IS NO SUBSTITUTE FOR QUALITY



When it's a hard pull

—when you grind along in low or second—that's when real lubrication is put to the test—that's when TAGOLENE shows the stuff it's made of.



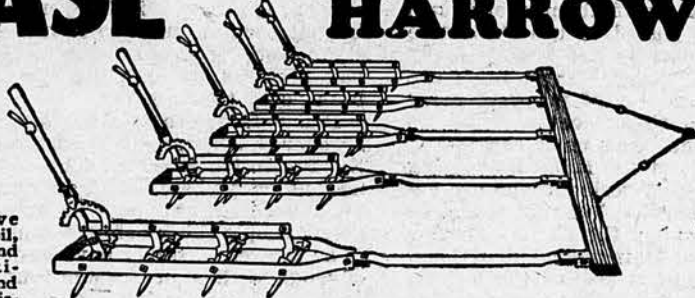
Skelly radio hour every Monday 9-9 P. M. KVOO Tulsa, wove length 374.8

# TAGOLENE MOTOR OIL

MADE BY THE REFINERS OF THE NEW ADVANCED SKELLY REFRACTIONATED GASOLINE

## CHASE Listed Corn HARROW

Built for This Western Country



Scientists have proved that the soil, when properly and thoroughly cultivated, takes up and retains more moisture than when it is hard or not cultivated so often.

It is a common practice among the best farmers to harrow their checked corn both before and after it comes up. Harrowing breaks up the crust and destroys small weeds when they are most easily killed.

The Chase Harrow enables you to harrow listed corn before and after it comes up. It breaks up the clods, tears up the crust, kills the small weeds and enables soil to absorb and retain more moisture.

### Speeds Up Growth of Corn

The Chase Harrow puts an early growth on listed corn equal to that of checked corn and does not require the hard tiresome work of plow-

ing the soil, checking the corn and cultivating small shoots. Also increases the yield.

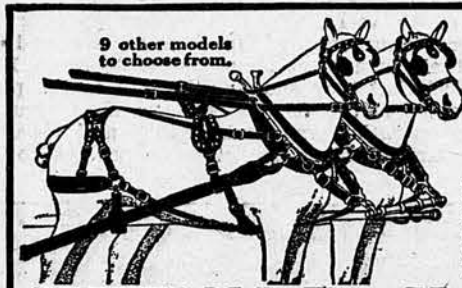
Two horses will pull a three or five section harrow, or two teams with one driver will handle two three-section harrows. With these various combinations one man can handle from twenty-five to fifty acres per day.

Almost any year its use will increase the yield enough to pay for it.

Teeth of the Harrow can be easily and quickly adjusted to any desired angle by the levers shown in the picture. They can also be moved sideways on the bars, to one side or the other, for cultivation over the corn or on the sides.

Send for free Harrow Circular. We also manufacture Chase 2-Row Listers and Chase 2-Row Cultivators.

CHASE PLOW COMPANY, 910 West P St., Lincoln, Neb.



9 other models to choose from.

You Have From Now Until 1928 to Pay!

If you act quick, we will send you an Olde Tan Metal-to-Metal Harness on 30 days' free trial—without the slightest obligation to buy if not satisfied—and, then, if you want to keep it, you'll have from now until 1928 to pay for it! But don't delay. Act now!

### NEW Olde Tan Models—NEW LOW PRICES

Write today for our catalog showing new models at new low prices. Olde Tan is the famous harness with the "Buckleless Buckle" and Metal-to-Metal wherever there is wear and strain—making

it the strongest, longest-lived, most economical harness to be had! Remember!—from now until 1928 to pay—in small monthly payments. Write TODAY!

BABSON BROS., 2343 West 19th Street, Dept. 29-32, CHICAGO

To Thriftville and Comfort

After you read your Mail & Breeze, hand it to a neighbor who is not a subscriber. He, as well as you, can profit by the experience of others engaged in similar work.

## What the Folks Are Saying

ABOUT a year ago I headed a field of kafir, and not having a suitable building to put it in, I constructed a wire crib with a wire floor over timbers placed on the ground.

After getting this crib filled with kafir, I soon found I had made a mistake by not arranging these timbers so the cats and dogs could get under them, as it soon became a home for rats.

I tried to exterminate them with poison and traps, but all indications pointed to the fact that they were on the increase. But by the time the kafir was nearly gone, I had determined on a plan for killing all of those rats.

About that time I needed some more poultry wire fencing, so I purchased some 1-inch mesh wire fencing 4 feet high. I set a post 4 feet from each corner of the crib and strung the wire around the crib, pinning it down tight to the ground and leaning the tops of the posts in, so the rats could not go under or climb over before I could get them.

I then drove a wagon up to the outside of the fence. "Lady," my Collie and I, with a pitchfork, sharp-shooter and several clubs got inside. I threw the rest of the kafir on the wagon and then threw out the wire floor and the timbers.

Soon the rats began to move around and butt their heads against the wire fence.

After the timbers were all thrown out we made an invoice and found 62 rats, big gray fellows, mostly grown. Then we spaded up the village and exhumed four litters of little fellows and a few foxy old dames, who were hanging around the little fellows, and when "Lady" decided we had all of them, we counted 91 dead rats.

It was great sport to see a dozen or more rats at a time trying to get out of my big trap and away from the dog and me.

It would be difficult to estimate the damage done by this bunch of rats, but it is certainly a great satisfaction to know that my farm as well as that of my neighbors' will not be troubled by them in the future.

W. J. Rickenbacher.

Topeka, Kan.

### Hedge Days Are Gone?

Away back in 1869 to 1871, when my father and his three brothers came all the way from Sweden and settled on adjoining quarters in Marshall county, the problem of fuel for keeping their one and two-room homes warm was far more acute than we realize now in this age of coal and gas.

With the exception of a few scattered walnuts, oaks and cottonwoods, there were no trees other than saplings along the creek banks, and the nearest available source of fuel was 10 miles away, on the banks of the Blue River. The river at that time was blue in descriptive fact as well as in name. On the banks of this river, near the little station of Schroyer, three of the brothers each purchased an acre of timber at a price 10 times what ordinary farm land then could be secured for. This timber served as a source of fuel for several years.

Another problem, that of fencing, presented itself to those early pioneers. Remember this was long before the days of steel and wire fences. On farms where surface limestone was available many farmers built stone fences. Some of those fences are still in service today, as a very picturesque reminder, in some instances of what might be called the "stone age" in fencing.

On many farms the fencing problem was solved by planting Osage orange hedges, which, like the building of stone fences, also was a very tedious job. The farmer grew his own seedlings or purchased them from nurseries. The tiny seedlings were set out in rows where the fence was desired, and spaced about 18 inches to 2 feet apart in the row. Thru the long, hot summer months the crop of fences was cultivated, mostly with a hoe, to keep the weeds from smothering the tiny plants. Those were the days of drouth and grasshoppers, and the two scourges combined forces in their campaign to burn and eat up a farmer's developing hedge fences as well as every other plant or crop he attempted to grow. However, despite the odds, my father succeeded in securing about 3 miles of

healthy hedge fences on his place. As more and more of the prairie encountered a breaking prairie fires decreased in number and extent, and the saplings along creek and ravine banks had a chance to grow into trees available for posts and posts. Before long the trees the hedge fences were large enough to cut for posts, and the trimmings available for fuel. Folks who have Osage orange for fuel know there is no better wood for this purpose. It most equals hard coal in heating value and there is no better fuel for kitchen range.

As boys it was our job to keep the hedge fences trimmed up all the sides so too much field saplings would not be occupied by overhanging branches. After trimming and cutting came the task of working into lengths suitable for the rails. The all-winter job of hedge trimming and post and fuel cutting made me feel that father had succeeded all well with his hedge fences. However it kept us busy thru the winter when not in school, and provided a source of fair income from the surplus posts.

Speaking of posts—a well seasoned hedge post is almost time resistant. We have posts nearly 50 years old holding up their share of a fence. A hedge post seasons it becomes almost as hard as bone.

As a source of fuel for the stove, Osage orange was a success and as a source of posts for fence it has no rival today, not except steel posts, when durability is desired and labor is not a big item. As a stock fence it was only a temporary proposition, for as plants die out and there stock will push their way thru the dead, brittle branches and into the growing crops when pasture gets short.

Labor cost now is a big item in properly caring for a hedge fence in harvesting a crop of posts. Fifteen or 25 years ago farm boys were plentiful, and when they were available hired help for winter clearing and wood cutting could be secured at but a fraction of what it costs today.

Recently more than half the hedge fence on my father's homestead, owned and farmed by my brother, was removed with a stump puller. The hedge removed had stood some 40 years, and was as good a hedge fence as it was 20 years ago, but being entirely satisfactory as a stock fence and requiring too much labor to keep it in good condition, it had to go. It is going, or has already gone, on many other Kansas farms.

The Osage orange fence had its usefulness along with the ox team, one-shovel cultivator and break plow, and now that its efficiency in competition with modern fencing materials is in question, it is slowly passing away, and in a generation or two will be consigned to the pages of our near history on the development of Eastern Kansas and Nebraska.

Waterville, Kan. C. O. Levine

### Kansas Lone Scout News

The second Lone Scout Yearbook published by the Kansas scouts, will appear soon, and it will contain news regarding the activities of the Kansas organizations in the last year. The yearbook should be a great boost for the Kansas scouts. The third Lone Scout yearbook will be held at Hillsboro in the spring. J. Marcus Jantzen of Hillsboro is chairman of the committee in charge.

Kansas lost two of its most famous scouts last year. Harold Wallace, who had independence moved to Chicago, and Willard C. Loughlin of Emporia moved to Campbell, Calif., where he has organized a Lone Scout tribe and is publisher of Lone Scout Pep.

The Big Beaver tribe of Hillsboro has entered the national efficiency contest. That is a very active organization, and it will no doubt rank high. More of the Kansas tribes should enter this contest. Carl T. Olander, Durham, Kan.

Russian communists have given up hope of the "world revolution," and the world keeps on revolving just the same.

The ship of state is one of the fleet vessels with navigators who do not hesitate to move in a fog.



# List 130 Acres Per Day (of 20 hours)

With a 5 Row Lister and a "Caterpillar" 30 Track Type Tractor

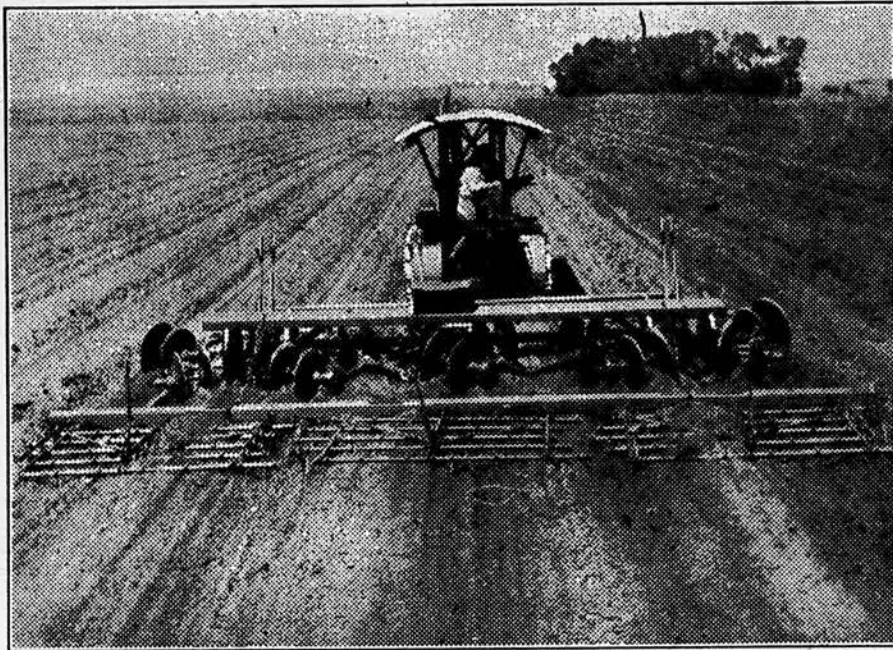
# "Middle Bust" 75 Acres Per Day (of 10 hours)

With 5 Row "Middle Buster" and a "Caterpillar" 30 Track Type Tractor

Land listed before July 15 will produce 3 to 5 bushels per acre more wheat than land listed during August.

A "Caterpillar" 30 delivers a maximum of 33 drawbar horse power (Nebraska test) and is the ideal power unit for from 500 to 1000 acres of wheat (more if run at night).

A "Caterpillar" 30 will pull anybody's combine, anywhere, any time and pulls five 14 in. plows (in loam soil) in high gear 3 3/4 miles per hour.



"Caterpillar" 30 Middle Busting on Scott Gill's Farm in Harper County, Kansas



The first time in history that a "Caterpillar" Track Type Tractor can be purchased for a less price per drawbar horse power than a good grade wheel type tractor.

Let us refer you to owners of Caterpillar (Best) tractors in Kansas who have used their tractors 1000 days (equal to 10 or 12 years' farm work) without a single repair on the tracks.

**A "CATERPILLAR" tractor is its own best salesman**  
*Ask an owner*

**H. W. Cardwell Co.**  
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300 S. Wichita, Wichita, Kan.

Please send me without obligation, booklets—Power & Plenty and Factory-ize the Farm. I farm ..... acres wheat, ..... acres row crop.

Name

Address



# Notice!

## Starting Next Week

in the  
**KANSAS FARMER**  
MAIL & BREEZE

**H**ERE is an announcement of great importance to every farmer and his family. For many years a certain class of retail merchants—there's one or more in your town—have struggled to keep in stock thousands, yes, hundreds of thousands of articles that you might need from time to time. They have furnished you a supply service of tremendous value that has never cost you a cent and never will. You have taken it for granted, used it, perhaps occasionally complained of it, yet you probably have never given this man in your town the chance to help you as he can. Now these merchants have banded together to tell you in the **KANSAS FARMER** more about themselves, how they select for you the best of the products of the world's manufacturers, of the service they want you to make use of. This is an invitation for you to get personally acquainted with the dealer (or dealers) nearest you and to learn how you can benefit from the intelligent information and dependable advice he has for you on vital subjects in your everyday life everywhere around the farm. It is

a *Farm Service* of tremendous importance to each and every farm family.

Next week in the **KANSAS FARMER** there will start a series of articles telling you how to get the most from this service. Read each one carefully and learn how you can easily co-operate to find new ways to do your work easily, to live more comfortably, to save expense, and to make more profit from farming. The first message is next week.



*Wait!*

The Stores will be easily known and found by this "tag"

Next Week the "tag" will be turned over!

# Timber-Wolf

By Jackson Gregory

(Copyright)

**B**ABE DEVERIL, being himself and no other, a man reckless and unafraid and eminently gay, and, so God made him, full of liting appreciation of the fair daughters of Eve, felt even at this moment her touch, like so much warm quicksilver trickling thru him from head to foot. He gave her, in answer, a hearty pressure of the hand and his low, guarded laughter, saying lightly:

"You interfere with the regular beating of a man's heart, Lynette Brooke! But now you'll never remember tonight for any great measure of hours, unless we step along. They'll hunt us all night. Come, beautiful lady!"

Even then she marveled at him. He, like herself, was tense and on the qui vive; yet she sensed his utter fearlessness. She knew that if they caught him and put a rope about his neck and led him under a cottonwood branch, he would pay them back to the last with his light, ringing laughter.

In this first wild rush they had had no time to think over what had just happened; no time to cast ahead beyond each step deeper into the night. Where they were going, what they were going to do—these were issues to confront them later; now they were concerned with no consideration other than haste and silence and each other's company. To-night's section of destiny made of them, without any reasoning and merely thru an instinctive attraction, trail fellows. True, both carried blurred pictures of what had occurred back there at the Gallup House so few minutes ago, but these were but pictures, and as yet gave rise to no logical speculation. As in a vision, she saw Timber-Wolf sagging and falling as he strove to slew about; Deveril saw Taggart rushing in at her heels, and then going down in a heap as a revolver was flung in his face. Only dully at present were they concerned with the query whether these two men were really dead. When one runs for his life thru the woods in a dark night, he has enough to do to avoid limbs and tree trunks and keep on going.

Big Pine occupied the heart of a little upland flat. In ten minutes Lynette and Deveril had traversed the entire stretch of partially level land, and felt the ground begin to pitch sharply under foot. Here was a sudden steep slope leading down into a rugged ravine; their sensation was that of plunging over the brink of some direful precipice, feeling at every instant that they were about to go tumbling into an abyss. They were forced to go more

slowly, sliding on their heels, plowing thru patches of soil, stumbling across flinty areas.

"Down we go, as straight as we can," said Deveril. "And up on the other side as straight as we can. Then we'll be in a bit of forest land where the devil himself couldn't find us on a night like this. . . . How are you standing the rough-stuff?"

It was the first time that he had given any indication of realizing that her girl's body might not be equal to the work which they were taking upon them. Swiftly she made her answer, saying lightly, despite her labored breathing:

"Fine. This is nothing."  
"If I hadn't forgotten my hat among other things," he chuckled, "I'd take it off to you right now, Lynette Brooke!"

They paused and stood a moment in the gloom about the base of a big boulder, listening. Now and then a man shouted; dogs still barked. But the sounds were appreciably fainter, now that they had started down the steeply pitching slope into the ravine.

"We can get away from them to-night," she said. "But tomorrow, what is it light?"

### Into the Ravine

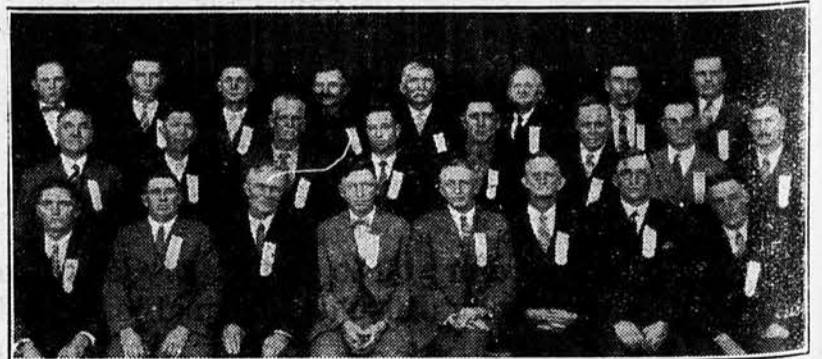
"We'll see. For one thing, a chase like this always loses some of its fine enthusiasm after the first spurt. For another, even if they did pick us up tomorrow, they would have had time to cool off a bit; a mob can't stay hot overnight. But give us a full night's head-start, and I've a notion we've seen the last of them. Ready?"

"Always ready!"  
Again they hurried on, straight down into the great cleft thru the mountains, swerving into brief detours only for upheaved piles of boulders or for an occasional brushy tangle. In twenty minutes they were down in the bed of the ravine, and splashing thru a little trickle of water; Lynette stooped and drank, while Deveril stood listening; again, climbing now, they went on. The farther side of the canon was as steep as the one they had come down, and it was tedious labor in the dark to make their way; at times they zigzagged one way and another to lessen the sheerness of their path. And frequently now they stopped and drank deep draughts of the clear mountain air.

Silence shut down about them, ruffled only by the soft wind stirring across the mountain ridges. It was not

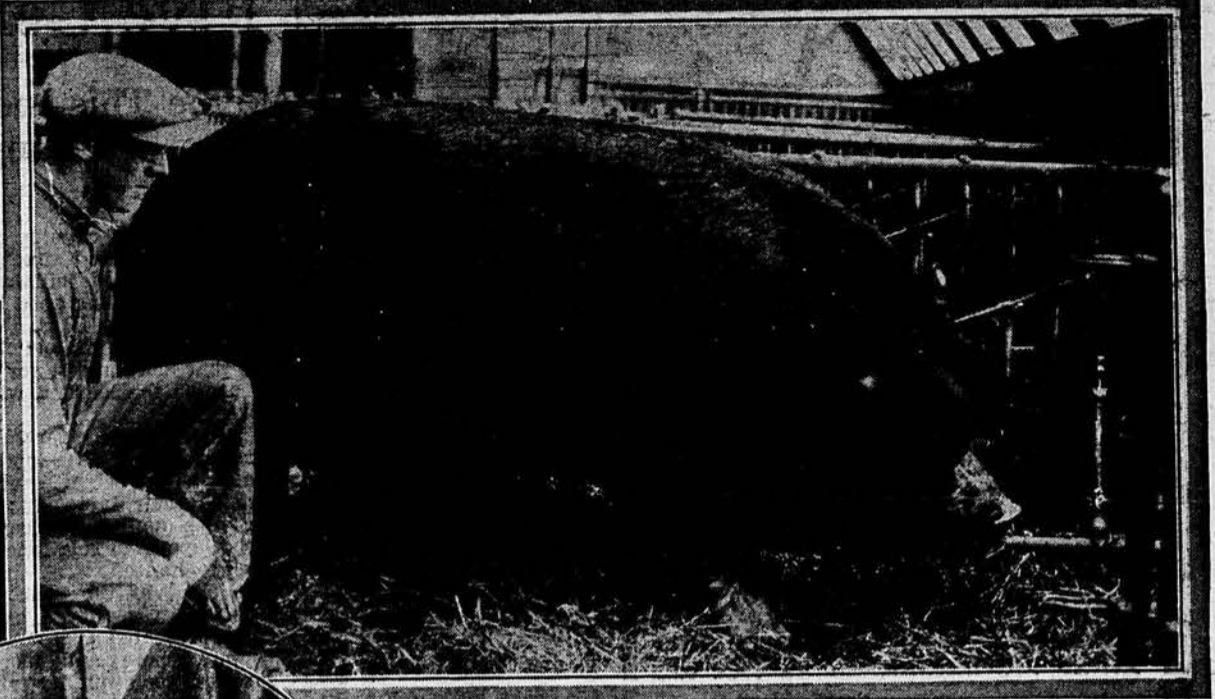
(Continued on Page 14)

## The Kansas Wheat Champions



**H**ERE are 24 of the 35 county wheat champions of Kansas. Third from the left in the front row is A. R. Schlickau, Reno county, who was selected as the Kansas Wheat Champion during Farm and Home Week at the Kansas State Agricultural College. Schlickau was awarded a cash prize of \$300. On his left is Chester Young, Clark county, who was awarded the \$200 second prize. The other county wheat champions are: F. L. Blaesi, Dickinson county; Martin Capper, Cloud; Elmer Gorton, Lincoln; Leonard Vetter, Harvey; H. J. Jorgenson, Sedgewick; J. H. Claassen, Butler; J. W. Wade, Sumner; Clarence Fulton, Harper; J. A. Harbaugh, Barber; Roy Toothacker, Comanche; P. W. Rayl, Kingman; H. H. McCandless, Stafford; H. L. Hartshorn, Ford; E. J. Burkhart, Gray; Peter Smith, Jr., Finney; W. V. Stutz, Ness; Chester Nelson, Barton; Herman Lee, Hodgeman; W. A. Barger, Pawnee; Charles Meyers, Rice; J. S. Corethers, McPherson; H. J. Rexroad, Meade; E. H. Armistead, Pratt; Frank Bertram, Sr., Kiowa; George Fritz, Clay; J. B. James, Sherman; Albert Weaver, Cheyenne; Peter Eicher, Thomas; F. W. Woergel, Rawlins; W. W. Cooper, Sheridan; Theodore Tachau, Decatur; Arthur Skiles, Norton; Emmet Womer, Smith.





**JOHN KOCH**

Rawleigh Ideal Farms, Freeport, Ill.

EVERY RAISER of pure-blooded Poland China hogs has heard of Rawleigh Ideal Farms. Here is the home of Sun Ray No. A5, a boar that sired two two-ton litters.

He is shown in the photograph, with Mr. Koch, the only man on the Rawleigh Farms who dares get into a pen with him without a hurdle. "Looking after 1000 head of pure-blood hogs," says Mr. Koch, "requires a lot of footwork in all kinds of weather and over all kinds of

ground. I find the Ball-Band heavy dull sandal the most convenient overshoe for all-round farm wear. It is heavy enough for most wet weather outdoors and yet light enough for work in the hog house. It keeps my feet off the cold concrete floors, and yet keeps my shoes dry when I have to step in the mud or wet.

"I always ask for Ball-Band rubbers and look for the Red Ball trade mark because experience has taught me it pays to do so."

**GEORGE H. PARKER**  
R. R. 9, Fort Wayne, Indiana

MR. PARKER says: "I have worn Ball-Band rubber footwear for twenty years, so when the Mishko Shoe came out I thought I would see if the Red Ball on work shoes meant as much as it does on rubbers. It does.

"I used to have to resole my shoes two or three times, at a cost of 50 to 60 cents each time if I put the soles on myself, or \$1.00 or \$1.25 if I had them resoled in town. I don't have to bother about resoling at all with the Mishko Shoes, because the Mishko sole lasts as long as the uppers and at the same time outlasts two or three ordinary soles.

"I pay a little more for the Mishko Shoes to begin with, but that isn't the way to figure it. Look what I save in resoling costs, not to mention the time lost in doing it and the discomfort of walking around on rough ground in soles getting thinner and thinner. No, sir, unless I see a Red Ball on the heel of a shoe, I don't buy it."

**HENRY MARTIN**  
Clinton, Mass.

I BOUGHT a pair of Ball-Band Moccasin Work Shoes about 18 months ago, and the original soles have not yet worn out.

"I am a line inspector employed by the New England Power Co. and my work takes me through the hardest of walking through swamps, woods and all kinds of hard, rough going.

"They are the best wearing shoes I have ever had, and will continue to wear them and tell my friends about them."



# They have solved the work shoe problem

*These men, whether working around the house, in the barn or on the job, say that the Mishko Shoe gives them more comfort and longer wear than any other shoe they've ever worn.*

TENDING market, raising hogs, or stringing telephone wires is work that puts footwear to severe tests. Millions of outdoor workers all over the United States, like those quoted here, have found from years of experience that the one sure way to get not only foot comfort but also *more days wear* in rubber and woolen footwear is to ask for Ball-Band and look for the Red Ball Trade Mark. They also get the same long service out of work shoes that are now a part of the Ball-Band line. These are known

as the Mishko Shoes. The soles are a special Ball-Band product and outwear two or three ordinary soles. You can have them either nailed or sewed on. Mishko Shoes are also made with high lace tops.

They are sold by most Ball-Band dealers, and there are Ball-Band dealers everywhere. If you have any difficulty getting what you want, write us for the name of a nearby dealer who can fit you. Mishawaka Rubber & Woolen Mfg. Co., 441 Water St., Mishawaka, Ind.



## BALL-BAND

RUBBER - LEATHER AND WOOLEN FOOTWEAR

BOOTS · LIGHT RUBBERS · HEAVY RUBBERS · ARCTICS · GALOSHES · SPORT AND WORK SHOES







**Makes Luxuries Obtainable For the American Farmer**

American Farmers can own automobiles, radio, lighting system, water system and other conveniences as the result of using Better Farm Equipment, such as these listers.

**Rock Island Two-Wheel Listers Do Not Crack The Seed**

The Rock Island No. 19 for corn only and the No. 18 for both cotton and corn are the only two-wheel listers with sight feed. Seed spout and delivery are at front of hopper—merely glance back, without stopping work, to make certain hopper is not empty.

Corn drop handles seed accurately and does not crack kaffir or maize. "Single seed" accurate cotton drop. Tip-over hopper. Plates easily changed from bottom without use of wrench. Steel stub pole. Either mixed land or black land burster bottoms. Foot-piece takes any standard make of sweep.

Sold by your local Rock Island Implement Dealer.

FREE BOOK—"Making Farm Life Easier" illustrates and describes this lister and a big line of farm tools in which you are interested. Write today for free book M-63.



**Rock Island Two-Row Listers**

Save labor and time—get the crop in quickly at little expense by using Rock Island Two-Row Listers. Accurate seeding mechanism does not crack seed. "Single seed" drop for cotton. Improved fore-carriage carries weight of front end and of eveners, and steadies machine. Exclusive screw depth adjustment. Tractor hitch extra.

The Rock Island is an extensive line of listers and other farm tools.



**Rock Island Plow Company - Rock Island, Ill.**

## Five Cent Cigars Improve

### Maybe This Indicates an Economic and Social Change in the Near Future

BY CLIF STRATTON

WHAT this country needs most," the late and much loved Tom Marshall of Indiana, declared a few years ago, "is a good 5-cent cigar."

Now comes the U. S. Department of Agriculture with the official announcement that more and better 5-cent cigars now are on the market, with still more in prospect.

"Class A 5-cent cigars," says the department in the February Agricultural situation, "are significant chiefly because of their increasing variety and improving quality, by reason of which their competitive relation to cigarets is greatly enhanced."

"In place of the short filler cigars of decidedly mediocre quality, which have represented Class A cigars since the war, more and more long-filler cigars of good quality are appearing on the market, priced at 5 cents each."

This statement may mean more than an item on the tobacco industry. It may indicate an economic and social change in the not far distant future. Perhaps, who knows, the time may return when men grow whiskers and women grow old.

Included in the February Agricultural situation are a number of more or less interesting items, not all of them new, of course.

The total number of horses and mules on farms has decreased about 17 per cent since 1920, while the ratio of all colts a thousand horses and mules has decreased from 132 in 1920 to about 65 at present. Without colts and horses to replace our present number of work animals, the number will fall off rapidly, probably 30 or 40 per cent in the next five or six years.

In the same period the number of cattle has decreased from 68,835,000 to 57,521,000, the number of milk cows has remained practically stationary, and the total number of sheep has increased from 39 million to nearly 42 million. The decrease in horses and mules combined in the same period has been from 25,315,000 to 18,013,000.

In other words, corn-fed animals on farms in this country in the last seven years have decreased from a little more than 175 million head to a trifle less than 150 million head. There is one-seventh less demand for corn for farm animals on American farms than there was seven years ago.

Price index figures in the same report also are of more than passing interest. Taking wholesale prices of 1910-14 as a base, and expressing this as 100, we find the following index price figures prevailing in December of 1925 and 1926:

	Commodity Groups	
	Decem-ber 1925	Decem-ber 1926
Farm products.....	132	135
Food, etc.....	156	150
Clothing.....	191	172
Fuel.....	203	212
Metal products.....	139	135
Building material.....	182	178
Chemicals.....	137	127
House furnishings.....	172	165
All commodities.....	159	150

In other words, where a unit of farm products in 1910-14 brought \$1, it now brings \$1.35. But the food that he could buy for \$1 in 1910-14 now costs him \$1.50; the cloth which before the war cost \$1 now costs him \$1.72; his fuel that cost \$1 before the war now costs him \$2.12; he can buy metals for \$1.35 that in the 1910-14 period cost him \$1—if the farmer could live on metal, clothe himself on metal and build his house entirely of metal he would be selling and buying in a market of the same relative prices as before the war; house furnishings cost \$1.65 for every dollar in the pre-war period; the price of all commodities is \$1.50 compared to \$1 in that period—but the farmer has to sell at \$1.35 compared to \$1 before the war. Loss on each \$1.50 worth of his products exchanged for other products is 15 cents.

"The general index of purchasing power of farm products in terms of non-agricultural commodities remained at 80 during December," the report on

the agricultural situation just issued by the department states, "the five pre-war years being considered as 100."

"The disparity between average level of farm prices and the level of industrial wages and costs is greater than a year ago, a fact partly due to the slump in cotton, grain and fruit prices."

Perhaps that is why farm organizations and farm leaders supporting a McNary-Haugen bill in Congress are getting more backing from the farmers at home than they got a year ago. And it may be an explanation of the fact that farm economics is threatening to become political by 1928.

Potatoes, hogs, eggs, butter and wool are in better condition, or were in December, than in the five-year pre-war period, the same report shows, although hogs are so little improved as to be practically the same. The relative purchasing power of hogs in December was 101, compared to 100 before the war.

Purchasing power relative to all commodities of various farm products in December, on this same basis, was as follows: Cotton, 54; corn, 67; wheat, 93; hay, 76; beef cattle, 82; potatoes, 131; hogs, 101; eggs, 148; butter, 119; wool, 113.

"The solution is easy, after looking over that chart," says the arm chair political farm economist. "Cut down the wheat acreage and raise potatoes, sell eggs, butter and wool."

Fine—but cut the wheat acreage one-tenth, and produce potatoes, eggs, butter and wool on that acreage, if it were feasible, and you would increase the production of the minor crops to an extent that would absolutely break those markets, while not eliminating for sure the surplus that holds the wheat market down to the level of world prices at present.

### Lack of Organic Matter

"In many sections of the Southwest, more than 50 per cent of the original soil organic matter already has been lost," says H. M. Bainer, director, the Southwestern Wheat Improvement Association. "The life of a soil depends to a large extent on the amount of organic matter or humus it contains. New soils always are well supplied with organic matter, but unless provision is made to maintain this supply, it will gradually decrease and the crop yield will become poorer and poorer. A soil deficient in organic matter lacks fertility, it has nothing to hold it together, it bakes and blows and is very difficult to handle."

"A soil that is well supplied with organic matter will retain more moisture than one having a low supply, thus helping to carry crops thru periods of drouth. Organic matter improves the physical condition of the soil and makes all tillage operations easier, it also reduces baking, cracking, washing and blowing. Organic matter provides food for the necessary bacteria of the soil, such as those that change nitrogen into the available nitrate form. Organic matter and nitrogen go hand in hand and when one is deficient, the same thing usually is true of the other. A soil is known for its fertility in proportion to the amount of organic matter and nitrogen it contains. Low wheat yields and poor quality of wheat are, therefore, largely due to a lack of these two elements."

"Too much of the one-crop system, such as producing wheat year after year on the same land, is responsible for the loss of much of this organic matter. Much can be done towards restoring this fertility thru crop rotation systems that include some one of the legumes, such as alfalfa, clover, Sweet clover, cowpeas and soybeans, and occasionally it is an excellent practice to plow under such crops, while they still are green. All crop residues, such as straw, stubble and stalks should be plowed under, rather than burned."

Pig vaccination is cheap insurance.

Many farms secured as free homesteads less than 20 years ago in the

## Edmonton District

### CENTRAL ALBERTA, CANADA

are now worth \$75 and up per acre.

You can secure a farm of raw land, just as good, for from \$10 to \$15 an acre. Write for our FREE Book. It gives photographs, facts and figures.

Address JOHN BLUE, Secretary, Edmonton District Chamber of Commerce, Edmonton, Canada

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**WRITE FOR PRICE ON NEW FARM TOOL**

Hundreds sold. Fits any old or new, wood or steel 2, 3 or 4 section harrow. Peoria Harrow Grass and Alfalfa Seeder sows all grass seeds to uniform depth. Low down, no waste. Cuts work in half. You cannot afford to waste your time and seed. Pays for itself on 20 acres. Buy only the seeder—so cheap everyone can get one.



Special introductory price. Write quick.

**PEORIA DRILL AND SEEDER CO.**

2891 N. Perry Ave. Peoria, Illinois



# Try This One Man Stump Puller 30 Days FREE



All I ask is the privilege of sending you the Kirstin to TRY 30 DAYS on your own stumps. I want you to see for yourself what a wonderful, easy-operating, fast-working, strong, substantial machine it is. When it comes, hook it to your biggest, toughest stumps. See how quickly and easily one man alone handles them. **PROVE ALL MY CLAIMS!** A three year guarantee bond with each Kirstin.

## Get Special Offer!

Limited Time Only — to introduce new models in each locality — also **easy terms — one year to pay.**

One Man Alone Pulls Big Stumps.

With the **KIRSTIN ONE MAN ALONE** handles biggest stumps! This feature has enabled thousands of farmers to rid their land of money-losing, land-wasting stumps. No digging, no chopping or other expense! Kirstin's scientific leverage principle is the reason! A few pounds pull or push on handle exerts tons on stump. One man pulls big, little, green, rotten, low-cut, tap-rooted stumps — trees, hedges or brush. Clears an acre from one anchor. Works in swamps, boggy soil, thick timber, or on steep hill-sides where horses can't work. Easy to move around field.



One Man Pulls Big, Little, Green, Rotten, Low-Cut, Tap-Rooted Stumps



One Man Pulls Trees, Hedges or Brush



One Man Moves Buildings, Pulls Out Stalled Automobiles, Wagons, Tractors, etc.

stumps; why you should have all your land cleared NOW, available for more crops — more profits! Reproduces hundreds of letters from Kirstin users like shown above. Fully describes the famous new model Kirstin One Man Stump Puller. Shows how any Kirstin pays its cost in **BIGGER CROPS** and increased land value the first season — goes on making money for years. Send coupon for the **FREE BOOK** and for Special Offer! Address me personally.

A. J. KIRSTIN, General Manager

**A. J. KIRSTIN COMPANY**  
575 LUD STREET ESCANABA, MICH. 271

**EASY TERMS — ONE YEAR TO PAY**



A. J. KIRSTIN, Gen. Mgr.

### Read These Letters From Kirstin Users

My 13-year-old boy easily pulls big solid birch stumps from red clay with our Kirstin. It does all you claim and more.—G. E. Clark, Brampton, Mich.

It is wonderful the power your Kirstin develops. I use it for clearing steep hillsides of oak, pine and spruce stumps and standing trees. I would not be without it.—E. E. Frederick, Pocket Ranch, Quincy, Cal.

My Kirstin is a wonder. It pulled green oak trees up to 24 inches in diameter with surprising ease, and at less cost than any other method.—Albert Kahle, Gascondale, Mo.

My neighbors are astonished to see the Kirstin yank out the big ones. It pulls my largest stumps.—Martin Peterson, Rio, La.

My Kirstin cleared six acres of solid, sound tamarac and fir stumps measuring up to 60 inches from hard clay soil.—Charles Flannigan, Springdale, Wash.

Last fall I cleared land of stumps up to 34 inches in diameter. However, not a single one sat hard enough to show how much power my Kirstin would develop.—E. Thompson, Culver, Minn.

My Kirstin has pulled probably 4,000 stumps—some locust stumps with 20 to 35 foot roots. No stump puller could be better.—Adam Billett, Wrightsville, Pa.

#### World's Largest Makers of Stump Pullers

We make 14 sizes and models—including Kirstin One-Man Clutch, One-Man Drum, and the speedy, strong, powerful Horse Power models—the best and most efficient Horse Power Stump Puller you can get.



My Big Stump Puller Book FREE!

A. J. KIRSTIN, General Mgr.

**A. J. KIRSTIN COMPANY**  
575 Lud Street Escanaba, Michigan

Dear Mr. Kirstin—Without obligation on my part, please send me your Book on Land Clearing. Also Special Proposition.

Name.....

P. O..... R. F. D.....

State..... County.....



**Timber-Wolf**

(Continued from Page 10)

that they were so soon out of ear-shot of Big Pine; rather, this sudden lull meant that their pursuers, done with the first moments of blind excitement, were now gathering their wits and thinking coolly . . . and planning. They would be taking to horseback soon; scouting this way and that, organizing and throwing out their lines like a great net. By now some one man, perhaps Young Gallup, had taken charge and was directing them. The two fugitives, senses sharpened, understood, and again hastened on. They had not won to any degree of security, and felt with quickened nerves the full menace of this new, sinister silence.

Onward and upward they labored, until at last they gained a less steeply sloping timber belt, which stretched close under the peak of the ridge. They walked more swiftly now; breathing was easier; there were more and wider open spaces among the larger, more generously spaced tree trunks.

"We'll strike into the Buck Valley road in a minute now," said Deveril. "Then we'll have easy going. . . ."

"And will leave tracks that they'll see in the morning!"

"Of course. Any fool ought to have thought of that," he muttered, ashamed that it had been she instead of himself who had foreseen the danger.

So they hearkened to the voice of caution and paralleled the road, keeping a dozen or a score of paces to its side, and often tempted, because of its comparative smoothness and the difficult brokenness of the mountainside over which they elected to travel, to yield utterly to its inviting voice. They turned back and glimpsed the twinkling lights of Big Pine; they lost the lights as they forged on; they found them again, grown fainter and fewer and farther away.

"Can you go on walking this way all night?" he asked her once.

"All night, if we have to," she told him simply.

They tramped along in silence, their boots rising and falling regularly. The first tenseness, since human nerves will remain taut only so long, had passed. They had time for thought now, both before and after. Mentally each was reviewing all that had occurred tonight and, building theoretically upon those happenings, was casting forward into the future. The present was a path of hazard, and surely the future lay shut in by black shadows. Yet both of them were young, and youth is the time of golden hopes, no matter how dearly embraced by stony facts. And youth, in both of them, despite the difference of sex, was of the same order: a time of wild blood; youth at its animal best, lusty, vigorous, dauntless, devil-may-care; theirs the spirits which leap, hearts glad and fearless. And when, after a while, now and then they spoke again, there was youth playing up to youth in its own inevitable fashion; confidence asserting itself and begetting more confidence; youth wearing its outer cloakings with its own inimitable swagger.

They had trudged along the narrow mountain road for a full hour or more when they heard the clattering noise of a horse's shod hoofs.

**Hurrying Hoof Beats**

"I knew it," said Deveril sharply. "Damn them."

With one accord he and she withdrew hastily, slipping into the convenient shadows thrown by a clump of trees, and peered forth thru a screen of high brush. The hurrying hoof beats came on, up-grade, hence from the gen-

eral direction of Big Pine. Two men, and riding neck and neck. The riders drew on rapidly; were for a fleeting moment vaguely outlined against a field of stars . . . swept on.

They came with a rush, with a rush they were gone. But Deveril, who since he was taller, had seen more clearly than Lynette across the brush, turned back to her eagerly, wondering if she had seen what he had—if she had noted that one of the men loomed unusually large in the saddle, and how the smaller at his side rode lopsidedly. In all reason Bruce Standing should be dead by now or, at the very least, bedridden. But when did Timber-Wolf ever do what other men expected of him? If he were alive and not badly hurt; if Lynette knew this, then what? Deveril would tell her, or would not tell her, as circumstances should decide for him.

"Come on!" he cried sharply, certain that Lynette had not seen. "While the night and the dark last. Let's hurry."

On and on they went until the dragging hours seemed endless. They saw the wheeling progress of the stars; they saw the pools of gloom in the woods deepen and darken; they felt, like thick black padded velvet, the silence grow deeper, until it seemed scarcely ruffled by the thin passing of the night air. Thus they put many a weary, hard-won mile between them and Big Pine. Hours of that monotonous lifting of boot after boot, of stumbling and straightening and driving on; of pushing thru brush copses, of winding wearily among the bigger boles of the forest, of sliding down steep places and climbing up others, with always the lure of the more easy way of the road tempting and mocking.

"We've got to find water again," said Deveril, out of a long silence. "And we've got to dig ourselves in for a day of it. The dawn's coming."

For already the eastern sky stood forth in contrast against west and south and north, a palely glimmering sweep of emptiness charged with the promise of another day. The girl, too tired for speech, agreed with a weary nod. She could think of nothing now, neither of past nor present nor future, save of water, a long, cool bathing of burning mouth and throat, and after that, rest and sleep. Her whole being was resolved into an aching desire for these two simple balms to jaded nature. Water and then sleep. And let the coming day bring what it chose.

**"Tired to Death"**

Long ago the mountain air, rare and sweet and clean, had grown cold, but their bodies, warmed by exertion, were unaware of the chill. But now, with fatigue working its will on every laboring muscle, they began to feel the cold. Lynette began shivering first; Deveril, when they stopped a little while for one of their brief rests, began to shiver with her.

Water was not to be found at every step in these mountains; they labored on another three or four miles before they found it. Then they came to a singing brook which shot under a little log bridge, and there they lay flat, side by side, and drank their fill.

"And now, fair lady, to bed," said Deveril, looking at her curiously and making nothing of her expression, since the starlight hid more than it disclosed, and giving her as little glimpse of his own look. "And when, I wonder, did you ever lay you down to sleep as you must tonight?"

But he did see that she shivered. And yet, bravely enough, she answered him, saying:

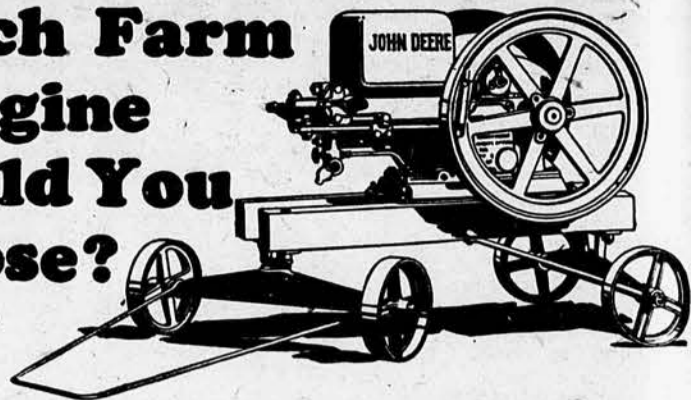
"Beggars must not be choosers, fair sir; and methinks we should go down on our knees and offer up our thanks to Our Lady that we live and breathe and have the option of choosing our sleeping places this night."

She had caught his cue, and her readiness threw him into a mood of light laughter; he had drunk deep, and his youthful resilience buoyed him up, and he found life, as always, a game far away and more than worth the candle.

"You say truly, my fair lady," he said in mock gravity. "'Tis better to sleep among the bushes than dangling at the end of a brief stretch of rope."

But with all of their lightness of speech, which, after all, was but the symbol of youth playing up to youth, the prospect was dreary enough, and in their hearts there was little laughter. And the cold bit at them with its

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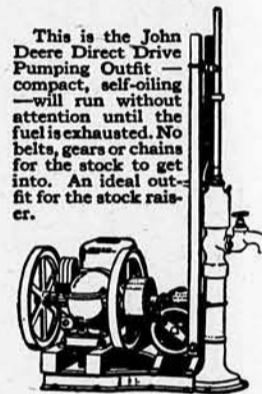
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teeth. A fire would have been more than welcome, a thing to cheer as well as to warm; but a fire here, on the mountainside, would have been a visible token of brainlessness; it would throw its warmth five feet and its betraying light as many miles.

So, in the cold and dark they chose their sleeping place. Into a tangle of fragrant bushes, not twenty paces from the Buck Valley road, they crawled on hands and knees, as they had crawled into that first thicket when pursuit yelped at their heels. Here they came by chance upon a spot where two big pine-trees, standing close together companionably, upreared from the very heart of the brushy tangle. Lynette could scarcely drag her tired body here, caught and retarded by every twig that clutched at her clothing. For the first time in her vigorous life she came to understand the meaning of that ancient expression, "tired to death." She felt herself drooping into unconsciousness almost before her body slumped down upon the earth, thinly covered in fallen leaves.

"I am sleepy," she murmured. "Almost dead for sleep . . ."

"You wonderful girl . . ."  
"Sh! I can't talk any more. I can't think; I can't move; I can scarcely breathe. Whether they find us in the morning or not . . . it doesn't matter to me now. . . . You have been good to me; be good to me still. And . . . good-night, Babe Deveril . . . Gentleman!"

He saw her, dimly, nestle down, cuddling her cheek against her arm, drawing up her knees a little, snuggling into the very arms of mother earth, like a baby finding its warm place against its mother's breast. He sat down and slowly made himself a cigarette, and forgot for a long time to light it, lost in his thoughts as he stared at her and listened to her quiet breathing. He knew the moment that she went to sleep. And in his heart of hearts he marveled at her and called her "a dead-game little sport." She, of a beauty which he in all of his light adventures found incomparable, had ventured with him, a man unknown to her, into the depths of these solitudes and had never, for a second, evinced the least fear of him. True, danger drove; and yet danger always lay in the hands of a man, her sex's truest friend and greatest foe. In his hands reposed her security and her undoing. And yet, knowing all this, as she must, she lay down and sighed and went to sleep. And her last word, ingenuous and yet packed to the brim with human understanding, still rang in his ears.

"It's worth it," he decided, his eyes lingering with her gracefully abandoned figure. "The whole damn thing, and may the devil whistle thru his fingers until his fires burn cold! And she's mine, and I'll make her mine and keep her mine until the world goes dead. And my friend, Wilfred Deveril, if you've ever said anything in your life, you've said it now!"

**A Unit of Discomfort**

Glancing sunlight, striking at him thru a nest of tumbled boulders upon the ridge, woke Babe Deveril. He sat up sharply, stiff and cold and confused, wondering briefly at finding himself here upon the mountain-side. Lynette was already sitting up, a huddling unit of discomfort, her arms about her up-gathered knees, her hair tousled, her clothing torn, her eyes showing him that, tho she had slept, she, too, had awaked shivering and unrested. And yet, as he gathered his wits, she was striving to smile.

"Good morning to you, my friend." He got stiffly to his feet, stretching his arms up high above his head.

"At least, we're alive yet. That's something, Lynette."

"It's everything!" Emulating him she sprang up, scornfully disregarding cramped body, her triumphant youth ignoring those little pains which shot thru her as pricking reminders of last night's endeavors. "To live, to breathe, to be alive . . . it's everything!"

"When one thinks back upon the possibilities of last night," he answered, "the reply is 'Yes.' Good morning, and here's hoping that you had no end of sweet dreams."

She looked at him curiously. "I did dream," she said. "Did you?"

"No. When I slept, I slept hard. And your dreams?"

"Were all of two men. Of you and another man, Timber-Wolf, you call him—Bruce Standing. I heard him call

you 'Baby Devil'! That got into my dreams. I thought that we three . . ."

She broke off, and still her eyes, fathomless, mysterious, regarded him strangely.

"Well?" he demanded. "We three?"

She shivered. And, knowing that he had seen, she exclaimed quickly:

"That's because I'm cold! I'm near frozen. Can't we have a fire?"

"But the dream?" he insisted.

"Dreams are nothing by the time they're told," she answered swiftly.

"So why tell them? And the fire?"

"No," he told her, suddenly stubborn, and resentful that he could not have free entrance into her sleeping-life. "We went without it when we needed it most; now the sun's up and we don't need it; since, above everything, there's no breakfast to cook."

"So you woke up hungry, too?"

"Hungry? I was eating my supper when first you showed upon my horizon. And, what with looking at you or trying to look at you, I let half of my supper go by me! I'd give a hundred dollars right this minute for coffee and bacon and eggs!"

"You want a lot for a hundred dol-

lars," she smiled back at him. Her hands were already busy with her tumbled hair, for always was Lynette purely feminine to her dainty fingertips. "I'd give all of that just for coffee alone."

"Come," said Deveril, "Let's go. Are you ready?"

"To move on? Somewhere, anywhere? And to search for breakfast? Yes; in a minute."

First, she worked her way back thru the brush, down into the creek bed, and for a little while, as she bathed her face and neck and arms, and did the most that circumstances permitted at making her morning toilet, she was lost to his following eyes. Slowly he rolled himself a cigarette; that, with a man, may take the place of breakfast, serving to blunt the edge of a gnawing appetite. Long draughts of icy cold water served her similarly. She stamped her feet and swung her arms and twisted her body back and forth, striving to drive the cold out and get her blood to leaping warmly. Then, before coming back to him, she stood for a long time looking about her.

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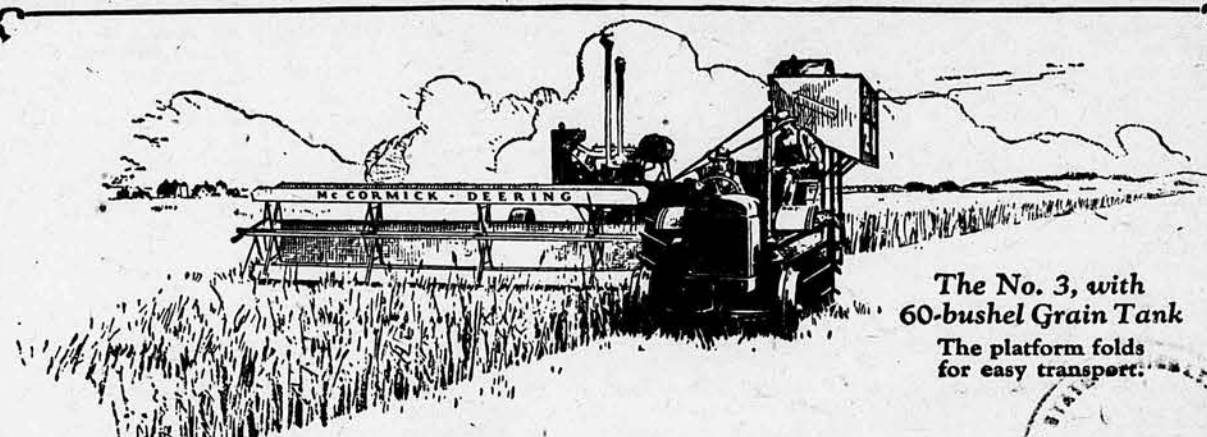


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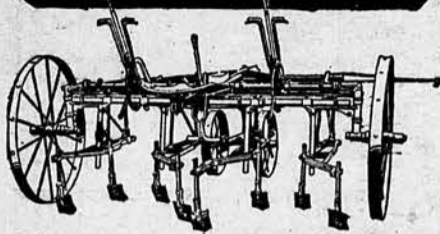
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ing; she saw the scampering flash of a rabbit; the little fellow came to a dead halt in a grassy open space, and sat up with drooping forepaws and erect ears; she could fancy his twitching nose as he investigated the morning air to inform himself as to what scents, pleasurable, friendly, inimical, lay upon it.

"In case he is hungry, after nibbling about half the night," she mused, "he knows just where to go for his breakfast."

The rabbit flapped his long ears and went about his business, whatever it may have been, popping into the thicket. There grew in a pretty grove both willows and wild cherry; beyond them a tall scattering of cottonwoods; on the rising slope scrub-pines and juniper. And while she stood there, looking down, she heard some quail calling, and saw half a dozen sparrows busily beginning office hours, as it were, going about their day's affairs. And one and all of these little fellows knew just what he was about, and where to turn to a satisfying menu. When, returning to Deveril, she confided in him something of her findings, which would go to indicate that man was a pretty inefficient creature when stood alongside the creatures of the wild, Deveril retorted:

**Not Even a Gun**

"Let them eat their fill now; before night we'll be eating them!"

"You haven't even a gun..."

"I could run a scared rabbit to death, I'm that starved! And now suppose we get out of this."

The sun was striking at the tops of the yellow pines on the distant ridge; the light was filtering downward; shadows were thinning about them, and even in the ravine below. Walking stiffly, until their bodies gradually grew warm with the exertion, and always keeping to the thickest clump of trees or tallest patch of brush, they began to work their way down into the canon. The sun ran them a race, but theirs was the victory; it was still half night in the great cleft among the mountains when they slid down the last few feet and found more level land underfoot, and the green-sward of the wild-grass meadow fringing the lower stream. The canon creek went slithering by them, cold and glassy-clear, whitening over the riffles, falling musically into the pools, dimpling and ever ready to break into widening circles, a smiling, happy stream. And in it, they knew, were trout. They stood for a moment, catching breath after the steep descent, looking into it.

"I wonder if you have a pin," said Deveril.

She pondered the matter, struck immediately by the aptness of the suggestion; he could see how she wrinkled her brows as she tried to remember if possibly she had made use of a pin in getting dressed the last time.

"I've a hairpin or two left. I wonder if we could make that do?"

"Just watch and see!" he exclaimed joyously.

In putting her tumbled hair straight just now she had discovered two pins, which, even when her hair had come down about her shoulders, had happened to catch in a little snarl in the thick tresses; these she had saved and used in making her morning toilet. Now she took her hair down again and presented him with the two pins, gathering her hair up in two thick, loose braids, while with curious eyes he watched her; and as curiously, the thing done, she watched him busy himself with the pins.

A few paces farther on, creeping forward under the willow branches, they came to a spot where the creek banks were clear of brush along a narrow grassy strip, which, however, was screened from the mountainside by a growth of taller trees. Here Deveril went to work on his improvised fish-hook. One hairpin he put carefully into his pocket; the other he bent rudely into the required shape, making an eye in one end by looping and twisting. The other end, that intended for the hungry mouth of a greedy trout, he regarded long and without enthusiasm.

"Too blunt, to begin with; next, no barb, too smooth; and, finally, the thing bends too easily. Hairpins should be made of steel!"

But at least two of the defects could be simply remedied up to a certain point. He squatted down and, employing two hard stones, hammered gently at the

malleable wire until he flattened out the end of it into a thin blade with sharp, jagged edges. Then, using his pocket-knife, he managed to cut several little slots in this thin blade, so there resulted a series of roughnesses which were not unlike barbs; whereas he could put no great faith in any one of them holding very securely, at least, taken all together, they would tend toward keeping his hook, if once taken, from slipping out so smoothly. He re-bent his pin and suddenly looked up at her with a flashing grin.

**A Grim Purpose**

He robbed one of his boots of its string; he cut the first likely willow wand. Without stirring from his spot he dug in the moist earth and got his worm. And then, motioning her to be very still, he crept a few feet farther along the brook, found a pool which pleased him, hid behind a clump of bushes and gently lowered his baited hook toward the shadowy surface. And before the worm touched the water, a big trout saw and leaped and struck... and did a clean job of snatching the worm off without having appeared to so much as touch the bent hairpin!

Three quiet sounds came simultaneously: the splash of the falling fish, a grunt from Deveril, a gasp from Lynette. Deveril, thinking she was about to speak, glared at her in savage admonition for silence; she understood and remained motionless. Slowly he crept back to the spot where he had dug his worm, and scratched about until he had two more. One of them went promptly to his hook, while he held the other in reserve. Again he approached his pool, again he lowered his bait about the bush. This time the offering barely touched the water before the trout struck again. Now Deveril was ready for him, deftly manœuvring his pole; his string tautened, his willow bent, the fat, glistening trout swung above the racing water... Lynette was already wondering how they were going to cook it!... There was again a splash, and Deveril stood staring at a silly-looking hairpin, dangling at the end of an absurd boot-lace. For now the hairpin failed to present the vaguest resemblance to any kind of a hook; the trout's weight had been more than sufficient to straighten it out so that the fish slipped off.

Gradually, moving on noiseless feet, the girl withdrew; her last glimpse of Deveril, before she slipped out of sight among the willows, showed her his face, grim in its set purpose. He was trying the third time, and she believed that he would stand there without moving all day long, if necessary. In the meantime she was done with inactivity and watching; doing nothing when there was much to be done irked her.

Withdrawn far enough to make her certain that no chance sound made by her would disturb his trout, she went on thru the grove and across little grassy open spaces flooring the canon, making her way further up-stream. When a hundred yards above him, she turned about a tangled thicket and came upon the creek where it flashed thru shallows. All her life she had lived in the mountains; as a little girl, many a day had she followed a stream like this, bickering away down the most tempting of wild places; and more than once, lying by a tiny clear pool, had she caught in her hands one of the quick fishes, just to set him in a little lakelet of her own construction, where she played with him before letting him go again. Today... if she could catch her fish first! While Deveril, man-like, taking all such responsibilities on his own shoulders, cursed silently and achieved nothing beyond loss of bait and loss of temper!

**At the Far Side**

Up-stream, always keeping close to the merrily musical water, she made her slow way until she found a likely spot. At the base of a tiny waterfall was a big smooth rock; the water from above, glassily smooth in its well-worn channel, struck upon the rock and was divided briefly into two streams. One of them, the lesser, poured down into a small, rock-rimmed pool; the other, deflected sharply, sped down another course, to rejoin its fellow a few feet below the pool.

It was to the pool itself, half shut off from the main current, that Lynette gave her quickened attention. She crept closer, noiseless, peeping over. A sud-

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## Another Blow to Thieves

(Continued from Page 7)

reasons why Mr. Walker joined the Protective Service. "Seems the thieves have it in for me. I have had cattle, hogs and even a calf 3 weeks old taken out of the pasture from its mother. About three weeks ago I went to town to get a load of corn and lost five big barrows in the daytime. I went away during the daytime a few days ago and lost my last fat hog and all of my chickens. I have some stock hogs, but am going to sell them. It seems as if I raise hogs and chickens just for thieves." Mr. Walker certainly has been hard hit.

C. E. Baldrige, Republic county, in sending his application for membership in the Protective Service wrote, "I think this is one great step in overcoming the thieving nuisance. We have been endeavoring to organize an anti-chicken thief association in Republic county, but there doesn't seem to be much interest except in places where stealing has been going on rather briskly." It often happens that people are not interested in protecting their property until they have had losses. The best way to save yourself from losses is to get protection before thieves visit your place. A thief certainly hates to have a reward hanging over his head, and he is going to be mighty careful about going onto property that is protected.

Here's one from S. S. Wolfe, Jewell county, where an anti-chicken thief association was organized recently. Mr. Wolfe writes, "We organized an anti-chicken thief association here this winter. We have more than 290 members now and I believe it is doing good, as I have not heard of any thieving being done since we started the association." It is easy to organize an anti-thief association and we are going to run an article soon telling our readers just how to organize these associations. They are a big help in many ways and there should be one in every rural community. The Protective Service will co-operate with every anti-thief association in the state. We are out to stop thefts of farm property in Kansas and want to help in every possible way.

### Protective Associations Needed

George W. Kohler, Mitchell county, sends his application for membership in the Protective Service and says, "We sure need all these associations we possibly can get. I am a member of the anti-horse thief association. We have a \$50 reward for the capture and conviction of anyone stealing from any of the members of the association. It is doing good work, but I like your idea and want to co-operate with you also. I am going to make an effort to get all of your subscribers around me signed up in the Protective Service Association." Thanks, Mr. Kohler, for your offer of assistance. We should like to have every member of other anti-thief associations in the state come in with us in this Protective Association, and we should also like to see every community 100 per cent posted with Protective Service signs.

Here is a good suggestion for the legislature from M. M. Naylor, Gray county. "If the legislature should pass a law requiring every poultry dealer to know without doubt from whom he is buying poultry, and make him liable by penalty, it would be a great thing for Kansas." Kansas should have a law requiring buyers of poultry to keep records of their purchases, the person with whom they deal, and the license number of the motor vehicle in which the poultry is delivered. Similar laws are in effect in many other states and they are helping to stop thefts of poultry.

Here's word from Fred Prymek,

owner of the Roslyn Farm Hatchery, Republic county. "I certainly am glad to know that something is being done in Kansas to curb this thievery," he wrote, "as in this community considerable poultry and other farm products have been stolen. While I have been very fortunate to date in not having losses by theft, I am better prepared than the average farmer to ward off thieves. I have a complete burglar and fire alarm system installed that certainly would be a hazard to any sneak thief who might take it upon himself to try to pilfer my farm. I hope this movement will be a success and will meet with hearty co-operation over the state." Mr. Prymek is fortunate in having his farm so well protected. In an early issue we are going to tell you how you can put in, at small cost, an effective burglar alarm system which will give you additional protection against poultry thieves.

Ed Larson, Lyon county, sends his application for membership in the Protective Service and writes, "There have been poultry thefts and other stealing going on around here. The guilty parties were caught and they pleaded guilty, but no severe penalties were imposed." One great difficulty in stopping thefts of farm property has been light penalties. In some cases light penalties may be justified, but it is very evident from present conditions that it is going to take some pretty stiff jail and penitentiary sentences before some of these crooks begin to realize they cannot steal farm property and get away with it. The Protective Service is going to do everything in its power to help get stiff penalties where they are deserved.

### Get Your Property Posted

The above are extracts from only a few of the many hundreds of letters received from our subscribers who have joined the Protective Service. There are hundreds and hundreds of letters coming in from all over Kansas. They are all just as interesting as these—and all tell practically the same sad story of losses of farm property to thieves. Things cannot go on long the way they have been going. Thefts of farm property in Kansas must be stopped—and the Protective Service, with the co-operation of peace officers and Kansas farm folks, is going to see that they are stopped.

If you have had property stolen you should get your farm protected at once. Let the thieves know you are not going to stand for their dirty work. They may be back at any time. If you haven't had property stolen you can't tell when thieves are going to slip in and make a haul from you. Get your property posted with a Protective Service sign and warn the thieves that they had better pass up your property when they are out to make a raid.

The Protective Service is appealing to every farm family in Kansas to join this drive against the thieves and crooks. Get your property posted at once with a Protective Service sign—protect yourself, your family and your property before thieves make a raid on you.

The thieves are organized—and the only way we can stop them is to organize against them. Let's all get together in this big state-wide drive against the thieves and crooks—post every farm in Kansas with a Protective Service sign—and stop the thieves before they steal us out of house and home.

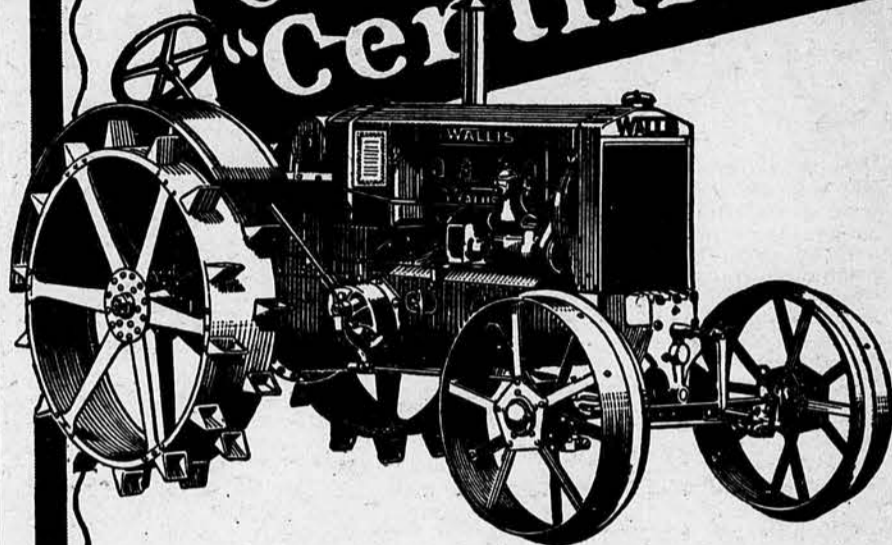
### As Power Farming Grows

The progress of power farming goes on in a steady, unrelenting fashion. About 600,000 tractors, it is estimated, are now used in the United States. In foreign lands, too, farm tractors are proving themselves, and a very large percentage of these are of American manufacture.

According to the Bureau of Foreign and Domestic Commerce of the United States Department of Commerce, 52,043 tractors were exported from this country during the 12 months ending December 1, 1926. During this period, Russia was the largest purchaser of wheel tractors, taking 9,959; Canada was second with 8,367; Italy third with 7,959; France fourth with 4,810; Australia fifth with 4,591; Argentina sixth with 2,729; and the United Kingdom seventh with 2,573. According to a Russian news agency, 30,000 tractors will be used for spring work this year in the Soviet Union.

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What, Again?



# These Cakes Bring Me Compliments

By Nell B. Nichols

IT IS a feeling of real security that a fine cake gives the homemaker who thinks unexpected guests may drive into the yard. And it is something akin to pride that one experiences when the family and friends praise the layers or loaf served to them at the end of the meal. The good cake-maker is a fortunate woman. Her fame follows her wherever she goes.

Two of the best cakes that I make are the following. Neither of them are complicated or difficult to prepare, and their flavor makes a universal appeal.

## Black Cake

1/2 cup butter	1/2 cup cocoa
1 1/2 cups brown sugar	1 teaspoon cinnamon
2 cups flour	1 teaspoon vanilla
1 egg	1 cup chopped black walnuts
1 cup milk	
4 teaspoons baking powder	

Cream butter. Add sugar gradually. Then stir in cocoa and well-beaten egg. Beat vigorously until the cocoa is mixed in thoroughly. Add vanilla. Sift and measure flour, add baking powder, spice and nuts. Add flour alternately with milk. Bake in a loaf or in muffin pans, using a very moderate oven. The loaf cake is baked about 45 minutes, the muffin cakes about one-half hour. Ice as desired.

## Loaf Cake

1 pound stoned dates	1 cup sugar
1 pound nut meats	4 teaspoons baking powder
1 cup flour	1/2 teaspoon salt
4 eggs	

Stone dates and weigh. Use English walnut meats. Leave dates and nuts whole, sift over them the flour, salt and baking powder. I sift these three ingredients three times before adding to the nuts and dates. Mix thoroughly. Add well beaten yolks and fold in the stiffly beaten whites. Fill pans with batter and bake in a very moderate oven. If you wish, this cake may be served as a pudding with a sauce. It will keep moist several days.

## What's Doing on Our Farm

BY DORA L. THOMPSON

A LIGHT and satisfactory storm door may be made from a screen door covered with glass substitute. This makes a storm door that does not shut out the light but does shut out the wind. Using the cloth with a wire background, probably is one of the most satisfactory ways of handling it. One of the objections to glass substitute in this section is that wind whips it off from the frames unless it is very well supported and tacked. The cloth is much like tar roofing in that it needs a good background.

IT IS probable that the use of a dairy thermometer would save many hours of churning in the winter. A neighbor spent a good share of her time one day churning a small batch of butter. It did not occur to her that the cream was too cold until she tried some warm water in the cream and "presto change" she had butter. Had she used a thermometer in the beginning, she would have known the trouble.

HABIT makes slaves of us all. The story is told that one cook started cooking potatoes for her family in a small kettle. Tho the family increased in size and in demand for potatoes, she continued to use the same kettle. She was obliged to add water and to fuss with it to keep it from boiling over. Not until her son used it for a drum and ruined the small kettle, did she use a larger one and realize the saving in time and trouble.

We were reminded of this in our own experience. Whenever we have chosen to press cracklings in a colander, we have used a wooden potato masher. We know many who do the same. By chance, we picked up one of the "triple" kettles—one of the three that fit over a single burner on an oil or gas stove. Two or three pressings with the base of this kettle did more than 15 or 20 with the potato masher.

A similar saving of time was suggested by a radio speaker. In cutting the lard for a pie crust into the flour, many use a knife and lots of time. The speaker uses a baking powder can with holes in the bottom to allow air to escape. A tomato can, with holes in the bottom, makes a handy chopping knife for many purposes.

## For Busy Days

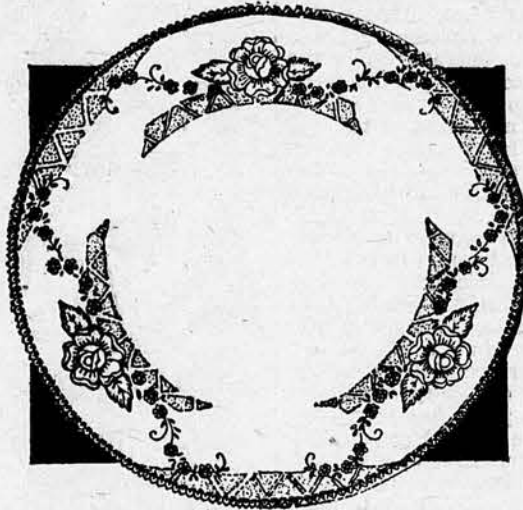
MY FAVORITE recreation," said a busy woman the other day, "is sewing—not making garments and mending, but just rhythmically putting a needle in and out with no thought of hurrying to finish."

It seems queer indeed to think of one finding recreation for tired muscles and mind in sewing. But I wonder if there are not others who will find refreshment in a half hour spent in an easy chair with a bit of embroidery.

Because gay colors always have an exhilarating effect I have chosen this daintily tinted center which is to be worked in gayly colored thread as a piece to delight your finger tips during the busy spring months.

No. 723—A 36-inch center is a delightful example of this combination of color work. The piece comes

stamped on creamy linen. The broken border is of blue tinting, to be outlined in black running stitch, the roses partly tinted and partly solid embroidery. The buds are to be done in pink, yellow and lavender. French knots and leaves are lightly shaded



with stitches in green. It seems to me that this piece is so cleverly arranged as to get the maximum effect with the minimum amount of needlework. Price of the piece with floss for working is \$2.

This piece may be ordered from Fancywork Department Kansas Farmer, Topeka, Kan.

## Short Cuts Around the House

BY OUR READERS

ALL of us are on the lookout for suggestions to make our housekeeping easier or our homes brighter. Perhaps you have discovered some short cut that your neighbor doesn't know about. If so, won't you tell us about it? For all suggestions we can use we will pay \$1. Address the Short Cut Editor, Kansas Farmer, Topeka, Kan. Include postage if you wish your manuscript returned.

### Using the Little Potatoes

WE HAD so many small potatoes this year and I have found such an excellent way of using them I want to pass it on. I boil them in salted water, with the skins on, and then run them thru the potato ricer. The skins do not go thru and the flavor is improved by the process. Then I usually put them in a baking dish, dot with butter and

pepper, and brown in a hot oven. In this manner I have utilized a bushel of potatoes which were too small to peel and would otherwise have been discarded.

Lincoln County.

Mrs. Ralph Hall.

### Hint on Rug Making

AN ATTRACTIVE and serviceable rug can be made by cutting stocking legs in 1 inch strips across the weave, stretching them gently until the edges curl under, to form a large soft cord. This cord may then be knitted into rugs of any desired size, using heavy bone, wooden or steel needles.

Barton Co., Missouri.

Mrs. L. H. Funk.

## You Might Like Opera

BY CHERYL MARQUARDT

MOST of the great operas are tragic. Why, I do not know, but I do know that some of the numbers from them are sublime. How many readers, I wonder, will stop when they read the word "opera." Don't let it frighten you, for after all, operas are very human—in spots at least.

In the opera of Tannhauser the theme is a noble one, the contrast between the good and evil in the soul of Man. Tannhauser has lived evilly, in the haunted Venusberg. Returning to Elizabeth, who loves him, he outrages her father's court, and is sent to Rome to crave pardon. It is denied him, and he wanders back to die at the bier of Elizabeth, who has watched for him vainly among returning pilgrims. But a miracle is wrought—the barren Papal staff, thrust into the ground in rejecting him, has brought forth blossoms, and the soul of Tannhauser is clean.

Numbers from this opera that are most popular are: "Overture," and few will deny that it has a high place in the ranks of music; "Pilgrim's Chorus"—the chant of the returning pilgrims full of majestic harmonies, and the number that opens, closes and carries on the opera. "Elizabeth's Gebet"—Elizabeth's prayer, having sought vainly among the pilgrims for Tannhauser, Elizabeth turns to a wayside cross and dedicates her life to good works; "Du Mein Holder Abendtern," Evening Star Song—Wolfram, the friend of Tannhauser, loves Elizabeth mutely. In her sorrow he offers up for her this song, in truth a prayer. No greater has been written, either in words or musical tones.

This is but one of the operas—and a brief summary, at that. However, I ask you to give some of the numbers from the great operas a chance. They will speak for themselves. Any inquiries about them or other musical questions will be answered gladly. Send a self-addressed, stamped envelope to Cheryl Marquardt, Kansas Farmer, Topeka, Kan.

# Pack With Unpacking in Mind

By Mrs. L. H. Funk

THE last of February and the first of March are moving days for a great many farm families.

Many look ahead with dread to this event on account of the horror of broken dishes, scratched furniture and never being able to find things until the unpacking is all done. A lot of this can be eliminated by carefully planning the move beforehand.

If possible the new home should be fumigated and thoroly cleaned before moving. If that is not possible, all brooms, mops, brushes, rags, soaps and the like should be grouped together to be unloaded first along with the stove and stovepipes, for as everyone knows, putting up the stove is the very first thing to be done in the new home.

It is a good idea, especially when the move is some distance, to have a luncheon already prepared. We pack the lunch in a tub called our emergency tub. In it are placed the lunch, necessary dishes, sugar, coffee, salt, lard, coffee pot, tea kettle and all the first things needed.

In the wash boiler we pack all the bottles of medicine and household remedies, first putting newspaper in the bottom and on the sides, then wrapping each bottle tightly with rags, towels or old clothes. We lay them down flat, filling open spaces with cloth. The secret of packing breakables is to have them packed solidly with no spaces for articles to move around, knock together and break.

In a tub we pack all the dishes in the same way, using newspaper, towels and old clothes. All plates are wrapped in towels. Put in a plate, fold the towel over, put in another plate, another fold, another plate and on until all are packed. These are stood up edgewise along the sides of the tub. Never place plates flat if you do not want to find some of them broken. Platters, bowls, deep dishes, are all packed the same way. Pack the insides of bowls and dishes tightly with cloth or paper. Fill the cups and pitchers full of cloth also, placing them in the center of tub around the lamps, which are placed in the bottom of the tub. Fill all open spaces with rags, cloth or paper.

In another tub or barrel canned fruit may be packed in this same way. Stand each jar on end wrapping it separately. With this method most of our towels and common clothes and underwear are packed as well as the dishes.

All pieces of nice furniture should be wrapped with the thickest quilts, covering the quilts with burlap or paper and tying tightly in place with ropes. This insures against scratching. As soon as all pieces of furniture are placed in the new home they should be examined for scratches which must be covered over with furniture polish.

We use a large, dry goods box for bed clothing, the remaining clothes, pictures, bric-a-brac, cabinet doors, and dresser glasses. The quilts are folded with pictures placed between the folds, pillows on top.

Houseplants take up so much valuable space in moving it is sometimes better to give them away before moving, but if one desires to take them they should be carefully wrapped for the journey. To do this drive sticks around the edge of the pot, sticks as long as the branches or fronds. Drive a stick in the center of the pot longer than the longest frond, wrap newspapers all around, tying them securely around the sticks. Wet a cloth and place over all tent fashion, tying in place securely around the pot.

Some system should be used in unpacking as well as packing. Before moving day all rugs should be cleaned and rolled, curtains laundered, everything dusted, cleaned and repaired.

It is best to take one room at a time to clean and to arrange the furniture. While one person is unpacking dishes, another folds the clothes and places the dishes away. While unpacking the box of bedding the beds are made up at the same time and the pictures hung.

By careful planning and systematic packing and unpacking we accomplish moving, housecleaning and repairing at the same time, beside taking away the dread and horror from moving.



# Tips on Spring Sewing

BY FLORENCE MILLER JOHNSON

**D**AINTY, sheer lingerie has always been a delight to the feminine heart. There was a time, however, when it was associated only with the Sunday best garments except in the case of the lady of leisure. But in these days of inexpensive, soft and durable cottons, it is within the reach of everyone and surely it is more satisfying than the cumbersome underthings of muslin and long cloth our grandmothers wore.

Voile deserves the place it holds among favorite lingerie materials. It will stand any amount of wear and mending and is at the same time soft and comfortable. However, dimities come in for their share of popularity and there are various sheer lingerie materials sold under trade names that you will want to investigate before deciding what to purchase for your spring and summer underwear. Then, of course, there are the lustrous silk crepes and radiums, georgettes and chiffons from which clever fingers can evolve underthings that seem too dainty to wear. But surely, every woman has a right to at least one set of these for her very best.

Many are the motifs and laces with which these under garments may be trimmed. Motifs are shown in butterfly design, monogrammed or of conventional pattern. These are used in the front of nightgowns and teddies or at the side of the lower edges of step-ins. A narrow val lace of the same design finishes the edges. Or, applique de-

signs in contrasting colors are exquisitely dainty and appealing.

Any number of pretty lingerie ribbons are shown in the shops but perhaps the most favored of all is the two-tone ribbon, that is, ribbon of pink on one side and blue on the other, or of lavender and pink or pink and green. To save time on wash-day you may favor washable ribbons, of which there are several kinds, although a good satin ribbon will stand a number of tubbings providing it is washed in a suds of mild soap and warm water.

Rainbow hues characterize underthings for spring and summer. These of course, are never brilliant. They are definite but subdued. Colors that are suggested are mother-of-pearl tints, apple blossom pinks, pale sea green effects blending into blues, mauves, flesh tints and ivories.

An under garment that is gaining in popularity is the combination brassiere and step-in. For the brassiere part cut two pieces of material the length of your bust measure plus 1 inch for seams, and as wide as the average brassiere—about 6 or 7 inches. Stitch together across the top, for the brassiere should be double. Fit to the form with darts. Attach the step-in section, which of course must be longer than the usual step-in. Fasten the brassiere in the back with hooks and eyes, and cut a placket. It is well to reinforce the brassiere closing. The stout woman will not find this combination practicable.



2707—A very simple and very attractive model. Sizes 16, 18 years, 36, 38, 40 and 42 inches bust measure.  
 2500—Popular Slenderizing Model. Sizes 36, 38, 40, 42, 44 and 46 inches bust measure. Transfer pattern No. 730, in blue or yellow is 15 cents extra.  
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2861—Serviceable and Attractive. Sizes 16, 18 years, 36, 38, 40, 42 and 44 inches bust measure.  
 2744—Featuring the Circular Skirt. Sizes 6, 8, 10, 12 and 14 years.  
 2312—Serviceable Apron. Sizes 36, 40, 44 and 48 inches bust measure.  
 Any of these patterns may be ordered from Pattern Department, Kansas Farmer, Topeka, Kan. Price 15 cents. In ordering be sure to mention sizes and numbers. If you would like the Spring Fashion Magazine send 10 cents extra with your order.

## 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.

### To Clean Pearls

I have a string of pearls which need cleaning. I would like to know if there is any way to clean them myself or will I have to send them to a jeweler to have them cleaned.—Naoma G.

You can clean the pearls very easily yourself. Wash them in clean warm water to which a little ammonia has been added. Rinse in clean water, dip in alcohol and dry in jeweler's saw-dust or bran. The operation should be performed very quickly so as to allow as little time as possible to intervene between the first wetting of the

article and the placing of it on saw-dust. Pearls absorb grease more than any other jewels and it is this which so often causes them to become dull and discolored. They should be kept in a box containing powdered rice flour as this will absorb the grease.

### Floor Finishes

I wish to refinish my living room floor. The flooring is hard wood. Which would be best, a varnished or waxed finish?—Mrs. C. D. L.

Waxed floors are more satisfactory for living room floors or floors that receive a great deal of wear so far as appearance is concerned, but they must have a great deal of care. The varnished or shellacked floors are very nice when new, but they do not last long if they are used a great deal, unless the varnish is of excellent quality free from rosin, and put on in thin layers.

Spirits of camphor removes white spots made on varnish by water.



Any paint beautifies. Lead paint makes the beauty lasting. Dutch Boy white-lead gives a pure all-lead paint.

**W**HAT to do and how to do it? These questions puzzle every house-owner when the time comes to redecorate the home, either inside or out. As a starter, send for the "Handbook on Painting" and the booklet (in color) "Decorating the Home." Follow with any specific questions that may be bothering you. We offer the facilities of our Department of Decoration to you. Individual service gladly given.

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You have not read the paper thoroughly until you have read all the classified advertisements. You'll find some bargains listed there, too.



# Here's Fun For Every Boy and Girl



The diamond alone means nothing, but with just a few lines you change this diamond into the face of a jolly clown. Notice how few lines are used to make this face. If you were going to describe this face in words, just think how many words you would have to write. So you see how easy it is sometimes to tell a story with pictures. Don't you think it is about time for you to practice drawing? You may want to draw some little pictures in your next letter to your playmate who is away on a visit.

### Goes to Pine School

I am 11 years old and in the fifth grade. I go to Pine School. Our teacher's name is Miss Stafford. There are 19 in our school. I have a brother but no sisters. My brother's name is Glenn. He is 9 years old. We live 2½ miles from town. For pets we have a Bantam hen named Bidly, a brown and white dog named Brownie and a black cat. I enjoy the little folks' page.

Ray Orville Roland.  
Republic, Kan.

### Try to Guess These

If Ireland should sink, what would float? Cork.  
When is a hat like a kitchen? When it has a stove in it.  
Why are guns like trees? People plant them and they shoot.  
When is a gun like a dismissed servant? When it is discharged and goes off.  
When does a man's hair resemble a packing box? When it stands on end.  
What 'bus has found room for the greatest number of people? Colum-bus.  
How can it be proved that a horse

has six legs? Because he has forelegs in front and two legs behind.

A hunter and his dog went out hunting. The dog went not behind, went not before, nor on one side of him. Where did he go? On the other side.

Why is it impossible for a person who lisps to believe in the existence of young ladies? Because with him every miss is a myth.

If you saw a house on fire, what three poets' names would you pronounce? Dickens, Howitt, Burns.

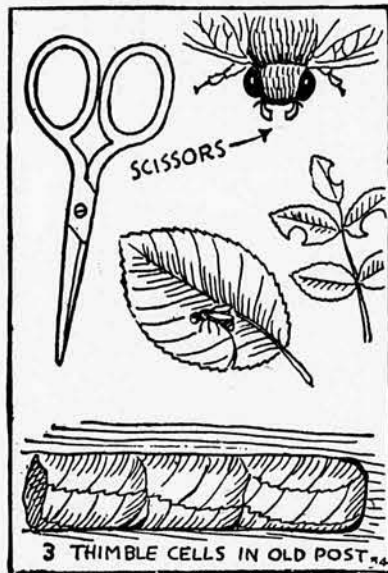
What is the best way to keep loafers from standing on the corners? Give them chairs and let them sit down.

In what key should a declaration of love be made? Be mine, ah! (B minor.)

What is the best time to study the book of nature? When autumn turns the leaves:

## Living Inventions

by Gaylord Johnson



The Leaf Cutter Bee's "Scissors"

If you have ever noticed a rose leaf with a cleanly cut circular or oval hole at its edge, you have seen a sample of the neat snipping done by Madame Megachile Bee's shears. She carries them in her mouth. They are, in fact, her "mandibles" or upper jaws. She cuts the pieces of rose leaf for

a most worthy purpose—to make the lining of her babies' cradle. She has already made the cradle itself by excavating a deep hole (with these same useful jaws) in an old post or dead tree trunk. This labor done, the cavity must be upholstered—so off she flies to the nearest rosebush. There she alights upon a leaf, and, fixing herself upon the edge, holds it with three legs on each surface; then, using her mandibles as the cutter of silhouettes would his scissors, she walks in a perfect curve, expands her wings at the last snip, and carries off the disc of leaf, still held between her feet.

It, and many more, will be bent into the hole in the post, until a row of thimble-shaped cells is formed, each containing an egg, and stocked with honey-and-pollen food for the infant larva that will emerge later as a perfect bee.

### Likes to Go to School

I am 12 years old and in the fifth grade. I go 2½ miles to school. My teacher's name is Mrs. Cox. I like her very much. For pets I have a black pony and a dog. The dog's name is Sport and the pony's name is Coly. I have three sisters and four brothers. My sisters' names are Thesia, Martha and Vera and my brothers' names are Vincent, Wilfred, Frank and Joe and a baby brother named Gitbeck. I wish some of the boys and girls would write to me. I always like to read the children's page.

Jellia Urban.  
Wallace, Kan.

### Connected Word Squares

Upper left square: 1. Decrease; 2. Dry; 3. River in Egypt; 4. Paradise.  
Upper right square: 1. Possesses; 2. Pause; 3. Pleasing; 4. Tread.  
Middle square: 1. Snares; 2. Wick-edness; 3. Thatch; 4. A vehicle.  
Lower left square: 1. Caress; 2. Thought; 3. Me; 4. Secure.  
Lower right square: 1. A plaything; 2. Substitute for butter; 3. Permits; 4. Mislays.

From the definitions given, fill in

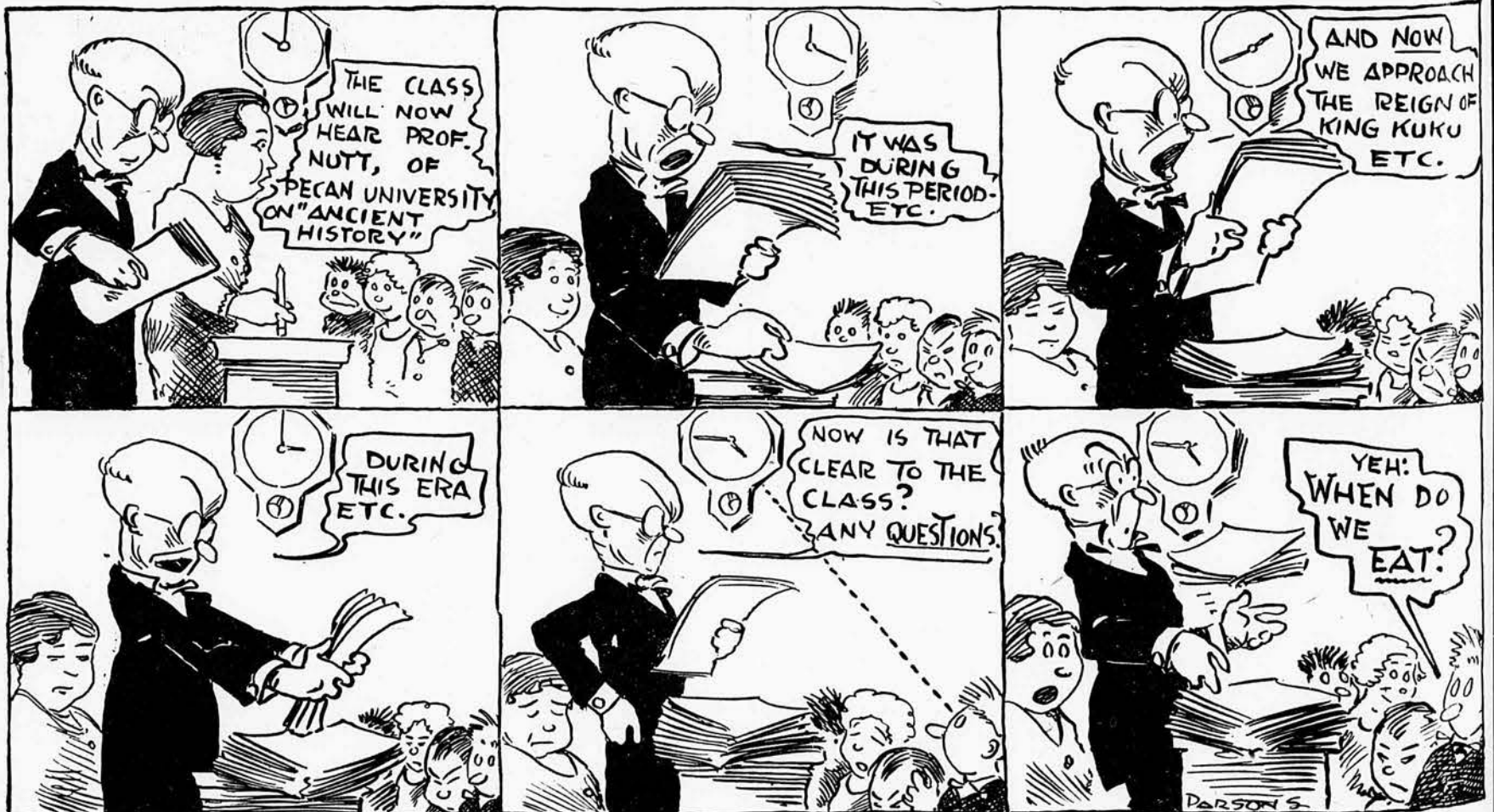
the dashes correctly so that each square reads the same across and up and down and so that the squares fit into each other as indicated. There will be a surprise gift each for the first 10 boys or girls sending correct answers. Address Leona Stahl, Kansas Farmer, Topeka, Kan.



Here is a picture of a real little boy. He just got thru picking flowers in the garden. His name is Floyd Wray Johnson. He is 3 years old. He is my little nephew.  
Esther Thoms.  
Deer Trail, Colo.

### Will You Write to Me?

The name of our school is Buena Vista. My teacher's name is Miss Cooper. I like her fine. I am 11 years old and in the sixth grade. I live 2½ miles from school. We live on an 800-acre farm. I have two brothers but no sisters. My brothers' names are John and William. William is 13 years old and in the seventh grade and John is 2 years old. For pets we have one white dog named Bob. I enjoy the young folks' page very much. I would like to have some of the girls my age write to me.  
Mary A. Wade.  
Hoxie, Kan.



The Hoovers—Buddy Seeks Some Information



### Throw Away the Pillow!

BY DR. CHARLES H. LERRIGO

What I mean is—throw it away if you have asthma; because it is possible that the reason you have asthma is that there is something about you that makes the protein of chicken feathers a poison, and the rebellion in your system is manifested by the choking sensation that you call asthma.

Doctors are supposed to know a great deal. They do know some things, but there is no one quite so willing as a doctor to acknowledge that he doesn't know it all, and to accept any sound explanation of the things he does not know. For many years doctors have known that certain diseases were not to be explained in the ordinary way. Chief among these diseases are asthma, hives, eczema and hay fever. They are in apparently strong, healthy people in ways unaccountable. Sometimes they go just as unaccountably. They may be likened to violent explosions of some mysterious antagonism (especially hay fever.)

Doctors have been fishing this pond of mystery for many years, and gradually they have hooked a few facts. They believe that all these troubles have the same base, grounded in the fact that certain things act as a poison to the sensitive unfortunates who are picked out and set aside as the asthmatics, hives, eczema and hay fever victims of this world. They think these poisons are always of the protein class. For example, one who is sensitive to egg finds the dangerous element in the protein white, and can eat the fatty yolk with impunity, or the hay fever chap can stand any part of the plant but the protein pollen. They have discovered, too, that quite a few of these tendencies are hereditary—the child having them may trace them thru a long line of ancestors. They think the manifestations are in-hereditary; for example, as a baby who is sensitive one may explode into eczema, but as an older child asthma may be the outcome. And, finally, they believe it is possible to desensitize these unfortunates and thus cure them of their asthma, their eczema, their hives or their hay fever. Doctors classify these phenomena under the name "allergy." It is too big a subject to cover in my allotted space, but if it interests you, ask your home doctor to look it up.

And, anyway, if you have asthma don't sleep on feather pillows, and if you have eczema don't subsist on egg protein.

### Use a Hand Lotion

Would you please tell me if there is any cure for rough, chapped hands when they crack open and bleed? What could I put on them?  
Mrs. L. E. A.

The chapped places are best protected by Zinc Oxide adhesive plaster while healing takes place. The use of a good hand lotion every day will prevent such chapping. A good one is made of the following: Buy 2 ounces of crushed Quince seed, put it in a pint of soft water and let it soak overnight in a warm place, such as the back of the kitchen range. Strain thru soft cloth and add 2 ounces of glycerin, 4 ounces of rose water and 4 ounces of alcohol. Your druggist will make up such a solution for you, and you will find it very helpful if used as a hand lotion after having your hands in water and before going outdoors.

### Should Weigh 145 Pounds

I am 35 years old, 5 feet 8 inches tall and weigh 121 pounds. Am I under weight and if so how much?  
Mrs. I. H.

You should weigh 145 pounds, so you are about 20 pounds underweight. Extra rest and extra diet should give you the weight you need, and you will feel better for it.

### Try Home Treatment

Am having trouble with my spine down the middle of backbone. When I stoop or get up I can hardly get up. I have heard you think this could be the cause? Is there any danger of paralysis or becoming an invalid? Am 30 years old. Please advise what it could be, also the best treatment for this trouble.  
Mrs. S.

The first thing is to cure the piles. If not far advanced you may take a few weeks to try home treatment. Eat a laxative diet containing a good share of fruit and green vegetables. Never strain at the stool. Use a water enema if necessary. Buy a tube of plain cold cream and a hard rubber pile pipe. Before the bowels move inject a quan-

tity of the cold cream into the rectum by means of the pile pipe. Do the same thing after each stool. This lubrication may help you to overcome a simple case of piles. If not successful in a reasonable time, have a surgical operation. It will save you much distress and put you on the road to health.

### And We Want Eggs!

The farmers' slogan on poultry is "lay not lie," for the farm flock now is not the "root hog or die" fowls of grandmother's day. Modern farm flocks have comfortable houses, not trees to sleep in, and the birds are given good care, feed and drink, so we expect them to pay first class rates in return.

We have been more successful with our chickens recently, as we now drive the hens from their sleeping room into

the scratching pen early every morning and close the door of the sleeping room for the day. In their scratching shed they find all their feeds, sour milk, fresh water, light, fresh air and can exercise and go to their nests as they please. We open the trap door of the scratching shed at 8 o'clock in the morning in warm weather and give the hens free range for the day, but on frosty mornings they are not given free range until the sun melts the frost and warms the ground. If there is snow, cold mud or winds they are not given free range for a few days.

An easy way to keep every item of the poultry record correct is to get a calendar of large size and figures, having a leaf for every month. Tie a pencil to a string and tie the string to the calendar, and place it at a handy location in the farm kitchen. We jot down in figures every day the number

of eggs gathered, in a corner of that day's square. When we set eggs we write across that day's square the number of eggs used, and when the chicks hatch we write across that square the number of chicks we have. When chicks die we again write on the square. For selling accounts the leaf is turned up, and we record the dozens sold, the price and the total amount. We also write on this side the number and price of chickens sold and bought and also all farm grain fed, as well as all bought for our flock.  
Columbus, Kan. E. E. Smyres.

There are two sides to everything. This is especially true of a penitentiary.

No money talks louder than hush money when it finally gets its voice back.

# Which?



An evening by the fireside



~or an evening of romance and adventure with Paramount!

WHAT a wonderful place to come back to, a fireside, after you've seen a good picture! What things to talk about, what thrills to live over, what joy you can have together! A fireside is for dreamers inside, but romance and adventure are outside—out where there's a Paramount Picture, the best show in town!

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- The Rainmaker
- An American Venus
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- The Crown of Lies
- A Kiss for Cinderella
- The Eagle of the Sea
- Aloma of the South Seas
- The Quarterback
- Fascinating Youth
- You Never Know Women
- Everybody's Acting
- The Ace of Cads
- The Grand Duchess and the Waiter
- A Social Celebrity

## Adventure!

- Sea Horses
- Forlorn River
- The Enchanted Hill
- The Vanishing American
- Born to the West
- The Man of the Forest
- The Covered Wagon
- The Pony Express
- Desert Gold
- Lord Jim
- The Ancient Highway

And these are only a few! There's romance, adventure, mystery and mirth in every Paramount Picture. Your theatre manager will be glad to tell you when he is showing one.



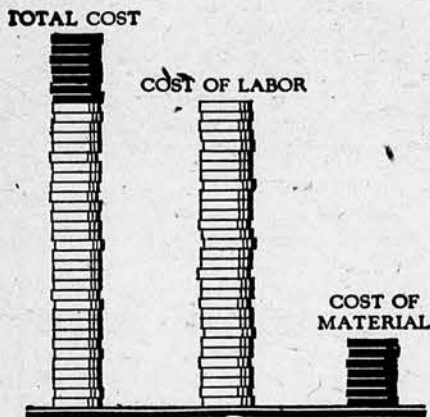
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Dept. 2461 Cleveland, Ohio

# Real Field Work Ahead

## Instead of Double-Disking Corn Land for Oats This Year We Will Plow It Shallow

BY HENRY HATCH

WE SOON will be bidding goodbye to the shortest month of the year, and shortly thereafter we can be saying "hullo" to real field work. Plowing for oats will be the first job. Usually we double-disk corn stalk land for oats, but this winter we pastured the stalk fields and the surface has been tracked up just enough so we have concluded a shallow plowing would work into a better seedbed, possibly at no greater expense. As the oats will be followed with wheat, it is a certainty the ground will plow easier next August for being plowed this spring, especially if it is a trifle dry then.

### Calves and Pigs Arrive

One crop already has put in an appearance—the calves. Two heifers and one male to date, with about 30 others to follow. Next week another crop will be coming—the pigs, when five sows will farrow and a zero temperature may arrive especially for this occasion. The arrival of young stock, particularly at this season of the year, means plenty of chores and keeping Johnny on the job, but it is work that pays. In fact no farm work pays any better than choring well done.

### It's Work That Pays

Taking care of stock is work at any time and many prefer to follow the uncertain road that leads from the grain field to the elevator. Grain farming exclusively has its busy seasons but it is not a year-around proposition as is a mixed stock and grain program. The fellow who raises wheat and wheat only has his busy days when plowing and seeding, and again when harvesting and threshing. But with this done and the grain marketed it's all done. The wife and kids may be packed in the old flivver for a trip back East or out West and there is little at home to worry about. But when the farm is covered with pigs, shotes, calves, cows, a few horses and a thief-tempting flock of chickens, absence for long is not profitable or possible. This thing of keeping at it most of the year usually brings in some profit, while grain raising that calls for only one-fourth time often does not.

### Have You Tried This?

A friend who has them for sale is trying to interest us in a two-row cultivator attachment for one of our light tractors. Of course, he is able to show us wherein it would be a big thing for us to own one, with nearly 150 acres for corn and nothing but old horses for power. Has any reader tried a tractor cultivator? We would like to know what you think of it, if you have. We soon will be at the point where it's more horses or something like this if we keep up with our corn growing. We are doing everything with tractors except mowing and raking hay and cultivating corn, and we're wondering whether it really would pay us to "go all the way" with tractor power.

### For Brick-Bats or Bouquets

The department in this paper, "What the Folks are Saying," can be made one of the most interesting features of our only Kansas farm weekly if we only will take part in it occasionally with our comment and criticism. As we like to visit with the neighbors, so do we like this manner of visiting with one another by letter. This gives us a chance to throw brick-bats as well as bouquets at whatever bobs up to interest you, and the Good Lord knows there is a plenty bobbing up nowadays to keep several pots boiling. Let's feed the editor so much of our views and comment on things concerning our farming and our problems that he can give us from a dozen to 15 short, snappy letters each week.

### Better Sow It Alone

An Osage county friend wants to know how the Sweet clover survived that we sowed last spring with a light seeding of oats. It still is there and

seems good enough to leave in possession of the field for the season. In spots where the oats were a trifle thick it is not all the stand we would like. But the favorable moisture conditions, that prevailed all last fall, certainly did put new life into what seemed a rather consumptive looking lot of plants up to that time and now the whole stand appears ready to move right along with the warm weather of spring. It can be noticed, however, that in a few strips where no oats at all happened to be sowed the Sweet clover grew all summer in a way that left no doubt about it, an indication that if you want to be sure about obtaining a stand, better sow it alone. Many of our acres that have been farmed for a half-century are beginning to need some of the help and rest from grain growing that Sweet clover can give.

### It's a Rapid Age

If the fellow who observed that there is nothing now under the sun were alive today he would say, "I never said it." We are moving along so rapidly in some things that there is little else but new things. An article that seems absolutely perfect and right up to the minute now may be entirely out of date next year. There are many things in common use now that were not thought of 10 years ago. Glass cloth is one of them, and, by the way, the tests we have made of this new product proves it all that anyone has claimed for it. We have had it all winter on a west porch, stretched over screens that are on frames, and it certainly has made almost another room out of that porch. Will soon take it off and use it on chicken coops. Have also used some on hog house windows all winter and think it great stuff.

### Will Report Results Later

There are new things, too, not created by man that apparently have not been put here for our good. There are pests in great numbers that were unheard of 20 years ago. Pests that work in our orchards, in our gardens and among our field crops. A new one we must make war on in a few days is the bag worm on our cedar trees. One tree became so badly infested before we really knew what was happening it will have to be cut down and burned, and the rest we shall spray with arsenate, which those who profess to know tell us will "fix 'em" if the job is thoroly done. That's how we'll do it and will report later on results.

### Borer May Visit Kansas

Just now the big thing that is causing uneasiness is the corn borer. If it is coming west as rapidly as they say it is, it soon will be a tourist in Kansas, whether or not the state builds paved roads. A blessing in disguise, some say, for it may do what the gentleman of theory has advised doing for many years to bolster up a sick corn market, cut down production. The farmer who has his production cut down to a single cipher by the borer may not think very highly of such a high powered remedy, but to this date those who have studied the life and habits of this new corn destroyer say there is little to do but take the little demon as he comes and grin if he leaves anything behind. Congress has appropriated a few millions for defense. If those who have suffered losses from the borer could get in a little on the distribution of that, the shock of having no corn would not be so great.

### Luring the Ladies

Ladies in this community find our shop an ideal place to get all kinds of hair work done. Popular Prices. AND DON'T FORGET We sell your favorite cigars —Ad in a Gorham (New York) paper.

When a statesman says war is necessary to reduce surplus population, he is thinking of some other country's surplus.

**New! The Topeba**  
Pepper and Tomato Combined

A new popular vegetable creation. Has delicious flavor and qualities of both the sweet Bull Nose Pepper and luscious Stone Tomato. Fine for stuffing and baking; for salads, soups, dressings, etc. Full facts in our latest catalog. Our 60th Anniversary Offer gives you a big seed value for only 10c. And envelope containing this special bargain is worth 25c on any future order of \$1 or more. Send 10c today!

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BE COMFORTABLE—Wear the Brooks Appliance, the modern scientific invention which gives rupture sufferers immediate relief. It has no obnoxious springs or pads. Automatic Air Cushions bind and draw together the broken parts. Nossives or plasters. Durable. Cheap. Sent on trial to prove its worth. Beware of imitations. Look for trade-mark bearing portrait and signature of C. E. Brooks which appears on every Appliance. None other genuine. Full information and booklet sent free in plain, sealed envelope.

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## Henry Ford's Solution

In an interview with Commerce and Finance Magazine Henry Ford outlines the theory of agricultural production which he has followed successfully in manufacturing automobiles. The farmer can raise a wheat or corn crop or any other crop, which now requires a good deal of a year, according to Ford's estimate, in 20 days or less. "Without attempting to quote him," says Theodor H. Price, editor of the magazine, "I may say that his conception as I understand it is that agricultural contractors who had the necessary men and machinery could go from farm to farm to do the work that has to be done in a few days, at a cost that would be less than the value of the time which the farmer now devotes to it." In crops, cultivating and harrowing by the Ford plan would be done by contract, as wheat and other small crops have been done.

This may be possible, but threshing is a branch of farming that cannot be done on the weather. Threshing outfits are often held back for a period of weeks by unfavorable weather, but farm work cannot be indefinitely postponed. Commerce and Finance quotes Ford as allowing "two days for the harrowing and harrowing before planting; one day for planting itself; for cultivation during growth five days; two days for harvesting and threshing. The total of the time thus saved would be 10 days, which is about half of Mr. Ford's estimate, and would leave another 10 days for ditching, fencing, distributing fertilizer and any other work fairly chargeable to the cost of producing a particular crop."

Mr. Price pointed out that the plan presupposes the use of much machinery and the labor of many hands that cannot be obtained if they were employed only for a few days at a time and not more than 20 days together. In answer he said that those who were willing to pay good wages could get the labor they required and that the work could easily be so organized that continuous employment for the labor engaged in it could be provided.

As Mr. Ford is experimenting on his farm, it would be idle to criticize it in advance as impracticable. Yet a more serious objection is that the plan is better calculated to work in the winter and sheltered from the weather in farm work. Farmers are often rushed in getting crops into the ground and also in cultivation that all crops are at work during favorable working days, while by the Ford plan working force, it appears, would

progress from farm to farm. How this force is to be maintained when farm work is necessarily suspended is not explained in the Ford interview, although Mr. Ford thinks it could be "easily organized so that continuous employment for the labor could be provided." Such a reorganization of farm work suggests the picture of the whole force building fences, distributing fertilizer or ditching, and so on, when plowing, planting and cultivating are impracticable. It is a revolutionary organization and stabilization of farm work.

## Cutting Production Costs

I believe that to make a success with poultry, four essentials must necessarily be considered, stock and their breeding, shelter, feeding and records.

Every grower has or should have a liking for one certain breed of poultry. Especially should he know whether he wishes to produce eggs, meat or dual-purpose birds. For my part, I much prefer eggs for profits, and have chosen White Leghorns of the Hansen strain from high-producing, trap-nested stock.

My present flock was purchased as baby chicks April 1, and I have 198 culled pullets in my laying house.

My shelter consists of a "doby" block, shed-type house 20 feet wide and 40 feet long, inside dimensions, divided into two equal parts. The walls are plastered inside, the shed is covered with a heavy rubberoid roofing. The south side of each room is equipped with windows near the top and an open space covered with chicken netting lower down which has a light canvas to be lowered on cold nights. I find this an ideal poultry house, as it is cheap, durable and prevents drafts.

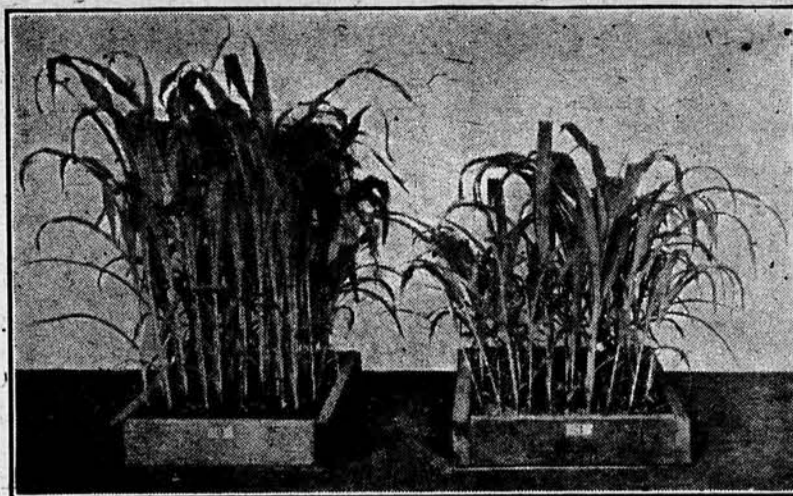
I use mill feeds, corn on the ear, buttermilk, oats on straw, wheat on straw, rabbits, alfalfa leaves, screenings, beet pulp and oyster shells. Rabbits fed at the rate of one a morning are used as a relish and for exercise, and to aid buttermilk in supplying protein. Oats and wheat are fed on straw as relishes and for exercise.

Although over-production in the egg industry is nearing a stage where the commercial producers' profits will be small, the diversified farmer who is producing his own feed and using proper methods need not worry for some years to come. John H. Rust.

Rocky Ford, Colo.

## 625,312 Dairy Cows

Kansas has 625,312 dairy cows, as compared to 611,214 a year ago, according to J. C. Mohler, secretary of the State Board of Agriculture. They are worth \$3,955,880, or \$2.60 a head more than a year ago.



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Remarkable Results secured by U. S. Dept. of Agriculture, State Agricultural Colleges, Big Seed Houses, and Thousands of Corn Growers throughout the Corn Belt

Every experienced corn grower knows that heavy corn losses are due either to unsuspected disease in the seed, or to disease in the soil infecting the seed after it is planted.

A new corn seed treatment, Bayer Dust or Uspulun, protects seed corn from disease both on the seed and in the soil. It prevents seedling blight, root rot, and other diseases that literally steal the results of your hard work in hot fields.

At a cost of less than five cents an acre, it has increased corn yields for thousands of practical corn growers from 5 to 15 bushels per acre. It insures germination and sturdy growth never before possible from poor seed and benefits the best seed by protecting it from injurious and costly attacks of soil-infesting organisms.

### Easy to Use

You need no special equipment for this new seed treatment. No tiresome or lengthy procedure is involved. Two bushels of seed can be treated in less than three minutes.

Bayer seed treatment comes in two forms: BAYER DUST for Dust treatment and USPULUN for Soak treatment. Most growers prefer the Dust treatment because it is quicker and saves the trouble of drying the seed. Both are equally effective.

Tests Conducted by U. S. Dept. of Agriculture show

that the Bayer Dust treatment of nearly disease-free Dent Corn gave an increase of 8.5 bushels per acre; of Diplodia infected seed, 15.8 bushels, and of Gibberella infected seed, 28.9 bushels. —Phytopathology, Jan., 1926.

### Increases Your Profits

Bayer Dust or Uspulun will pay its small cost many times over because it:

- Permits earlier planting
- Prevents soil decay
- Increases germination
- Prevents seedling blight, root and stalk rot
- Reduces amount of "down" corn
- Increases the yield
- And brings greater profits

### Test it in Your Kitchen on Your Own Seed Corn

Test this treatment yourself before the planting season. Simply get a 50c tin of Bayer Dust or Uspulun from your dealer. Select 50 kernels of corn at random from your seed corn. Treat 25 seeds and plant them in a cigar box or flower pot. Plant 25 untreated seeds in a similar container. Then watch them grow—the results will amaze you!

One pound of either treats six bushels of seed corn

Bayer Dust: 4 oz. 50c; 1 lb. \$1.75; 5 lbs. \$8.00. Uspulun: 2 oz. 50c; 1 lb. \$2.75; 5 lbs. \$13.00



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Be sure to give R. F. D. number if you live on a rural route.

## Do Your Baby Chicks Die?

DO HALF of your baby chicks die? That's about the average experience. The Hendriks method of feeding baby chicks has cut the usual losses the first 15 days to 15 or 10 per cent and in many cases 5 per cent or less during this critical period. If you can keep them alive past that period the losses will be negligible. Isn't that your experience?

Here's what the Hendriks Method of feeding baby chicks does besides reducing losses:

Produces broilers of 2 pounds or more at 8 to 10 weeks, when the average is 1 1/2 pounds at 12 weeks.

Develops pullets rapidly. Cases are on record of birds which laid at 110 days old, and 120 days is not uncommon even among the heavy breeds.

Makes broiler production possible out of season when prices are extremely high.

Extends the brooding season both ways from the normal period. Some folks who follow the method raise a brood beginning in January for early broilers, which are out of the way before the brood to provide winter layers is placed in the house. Others brood a later hatch than usual, which by reason of the rapid development comes into production as soon as earlier chicks brooded the old way.

Reduces overhead charges on equipment by distributing such costs to a larger number of chickens.

Saves feed by reason of the more rapid development of chicks.

Provides stronger, healthier laying and breeding stock. It is not uncommon to find Leghorn hens of 5, 6 and 7 pounds in the flocks of Hendriks Method followers. Pullets have laid uninterruptedly for a year and then produced eggs of high hatchability in their second July of production.

It is easy to follow, and increases your poultry profits.

Kansas Farmer printed the Hendriks Method story in the issue of October 24, 1925. Thousands of poultry keepers adopted that method. Again a story was printed April 10, 1926, in which one of Mr. Hendriks's co-operators invited folks to send to him for the method. More than 3,000 received the method in that way.

Kansas Farmer believes there are others who may desire this method and has obtained permission from Mr. Hendriks to send it to anybody who will write to us for it. Send a stamped addressed envelope to the Poultry Editor, Kansas Farmer, Topeka, Kan., and ask for the Hendriks Method.



Clip This New

The Morris Mfg. Co. 879 E. Russell St., El Reno, Okla. Please send free SAFETY HATCH Incubator and Brooder Book, Evidence Folder and dealer's name to:

Name Address



Succeed With the SAFETY HATCH incubator

Patented Heating System Keeps Heat Even

THE SAFETY HATCH Incubator insures hatching success. Circulating hot water system keeps hot water in constant, even flow and gives equal distribution of heat to all eggs.

The Morris Mfg. Co. 879 E. Russell Street, El Reno, Okla. 6 sizes--50 to 480 chick capacities.

Take No Risk 30 Days Trial. 140 Egg \$13.95. Money back if not satisfied. Made of California Redwood, covered with galvanized iron, double walls, air space between, built to last for years; deep chick nursery, hot water heat, copper tanks.

TRAIN'S "GOLD BOND" CHICKS

Here are exceptional chicks that come to you with a 100% "Gold Bond" guarantee of satisfaction; from select heavy-laying strains—high-producing, free range flocks.

FRANKFORT CHICKERIES

FRANKFORT, KANSAS Every bird serving us is State Accredited, and is Blood Tested for Bacillary White Diarrhoea.

SUNSHINE ALFALFA CHICKS OFFICIALLY PROVEN BEST

From high egg producing flocks. Sixteen leading breeds. 21 years' experience in poultry. Prices very reasonable.

MILLION STEINHOFF CHICKS IN 1927

From high egg producing flocks. Sixteen leading breeds. 21 years' experience in poultry.

Members Get Pigs at Sales

Many Club Folks Already Have Their Contest Entries and Are Eager to Go

BY PHILIP ACKERMAN

GOING, going, gone!" says the auctioneer when the last bid is made. That's the sound many Capper Pig Club members are hearing now-a-days, and they are going home as proud owners of the sows with which they plan to make a winning showing in the club for 1927.

There are to be some hogs sold at public sales this week and next week. Look thru the livestock news section of this paper for the dates of these sales, and there you will find the names and addresses of the owners.

These pigs were in good condition at fair time, so I exhibited them at the Lincoln County Fair, where they won prizes. Now if those pigs had been yours, you'd have been proud and well pleased with their showing.

You can get in club work, own a sow and litter of pigs, and take them to the fairs. Of course, you have seen boys and girls with their prize winners at the fair nearest you.

And a boy or girl who is a chicken raiser enjoys to see the chickens grow. They like to hatch chicks or to care for day old chicks they get from hatcheries.

Dads Are in, Too

Then come the sales and coins jingle. But club members make better use of their earnings than just to jingle the coins. They invest in more chickens or pigs, buy clothes and books for school.

There is a father and son division in the Capper Pig Club. The father uses his farm herd in the contest, and

this herd need not be purebred to be entered, but it may be a purebred herd. The farm herd is entered in competition with other farm herds, and liberal cash prizes are offered for good records.

Delton Holloway, Linn county, won second prize for his pig club work the first year he was in the club. That was in 1926. Here is a letter he wrote us recently: "I received the prize check for \$15. I certainly was glad to get it. I am going to put it in the bank, and add to it so I can go to college."

There's a place in the club for more boys and girls who are eager to be swine or poultry breeders and earn money as other club folks are doing.

Utilizing More Waste

An effective paint and varnish remover can now be made by a process discovered and patented by chemists of U. S. Department of Agriculture, who have just completed an investigation on the utilization of para cymne, which comes from an oil obtained as a by-product in making paper pulp from wood.

Department chemists in recent years also have worked out processes for utilizing such wastes as straw, rice hulls, peanut hulls and corn cobs, as well as for the more profitable utilization of various cull fruits and vegetables.

The oil from which the new paint and varnish remover is made was until recently almost wholly an economic waste. It has been variously estimated that from 750,000 to 2 million gallons of this material are produced annually in the sulphite pulp mills of the United States.

The most effective method for removing paint and varnish is to apply the new remover to the surface to be treated, and after 3 to 5 minutes the softened paint or varnish may be removed with a scraper.

The Senate might vote Mr. Dawes a prize some time, but it will never be one for peace.

Capper Pig and Poultry Clubs

Capper Building, Topeka, Kansas.

I hereby make application for selection as one of the representatives of..... county in the Capper..... Club.

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.

Signed..... Age..... Approved..... Parent or Guardian Postoffice..... R. F. D..... Date..... Age Limit: Boys 10 to 18; Girls, 10 to 18. Address—Capper Pig and Poultry Club Managers

140 Egg Incubator 30 Days Trial. Freight Paid east of Rockies. Hot water, copper tanks, double walls—dead air space—4 double glass doors. Shipped complete with all fixtures set up ready to use.

DEAD IN THE SHELL PREVENT WITH THE EVAPOMETER. AS NECESSARY AS A THERMOMETER. LARGER HATCHES BETTER CHICKS MORE PROFITS GUARANTEED MOISTURE GAUGE.

DES MOINES Brooder House. Warm, dry, tilted, floored with wire through our Vio-Ray system. Cleaned, lice-proof, made in sections, 8 ft. square and 7 ft. high. Complete with double door. Immediate shipment.

SHINN CHICKS ARE BETTER. \$400 EGGS IN ONE WINTER MONTH sold by Mrs. Switzer, Skiatook, Okla., from her Shinn pullets. Every day we receive letters praising our chicks.

MID-WEST CERTIFIED CHICKS AMAZING LOW PRICES C.O.D. Bred to lay. Early maturing into pullets busy laying eggs at top fall and winter prices.

64 BREEDS Most Profitable pure bred ducks, geese, turkeys, Poultry, eggs, incubators at reduced prices. 34th year. Largest plant. Fine valuable 100-page book and catalog free.

\$600.00 Starts You Pay Balance Out Of Earnings! Get into the Well Drilling Business. Earn from \$25.00 to \$50.00 per day clear profit.

Headquarters for Livestock engravings Write for prices Capper Engraving Co. DEPT. M TOPEKA - WICHITA

ROUGH ON RATS THE OLD RELIABLE DONT DIE IN THE HOUSE Sold at all Drug Stores Used the world over for generations. E. S. WELLS, Chemist JERSEY CITY, N. J.

NEW Brooder and Poultry Houses All Sizes, Steel, Wood, Round, Square. All new improvements—no outside walls to any length—solid sections as needed.

Do You Know That— you have not read all the paper until you have looked over all the classified advertisements?



### Sunday School Lesson

BY N. A. McCUNE

It is the old question of freedom in. "Use not your freedom for an occasion to the flesh," cries Paul, in this week's lesson. What is freedom? Is it free? There are many answers to this, but only a few satisfactory ones. In our day a certain class is declaring loudly that freedom means doing what you want to do; "living your own life," it is called, the indulgence of the appetites and passions, the satiation of physical desires. But the old teachers, long before Christ, taught more wisely than this. They knew that freedom does not come that way. That is sense, and ends in dissatisfaction. It destroys self-control, and takes away the strong sense of duty, the foundation of any lasting character. Temperance, said the ancients, is the only way which means self-control and self-discipline. Be hard on yourself. Command yourself to mind yourself.

But Jesus taught another and a better way. Discipline, the willingness to endure hardness, is necessary. But on top of that get the inner spirit of love; the Spirit of God dwell within you, the spirit of life, love, hope and faith, the spirit which man cannot give, but which God can. Let this rule the life, and then one comes to have the highest form of freedom, namely, spiritual freedom. This has been the experience of thousands of men and women, and they testify to the satisfying nature of this kind of freedom. Paul himself was an example. He worked very hard to overthrow the teaching of Jesus, because he felt he ought to do so. Then came his great experience on the Damascus road, and he submitted to the will of God. A new spirit came to him. He was different from that man onward. The American businessman, Mr. Cabot, is another good example. Discouraged in mind and broken in health, he sought God, found Him, and a wonderful transformation took place, extending even to his health. Get his book, "Except Ye Be Born Again," and read it. "Walk by the Spirit," says Paul. "Walk by the Spirit," says Cabot. That is the highest freedom.

Ponder that fearful list, "the works of the flesh." Let us read it over in Goodspeed's new translation of the New Testament: "The things our physical nature does are clear enough—immorality, impurity, licentiousness, idolatry, sorcery, enmity, quarreling, jealousy, anger, selfishness, dissension, party-spirit, envy, drunkenness, carousing and the like." Contrast the "fruit" of the Spirit, not the works of the flesh. The fruit grows on the tree of the inner life. "Love, joy, peace, patience, kindness, goodness, faithfulness, gentleness and self-control."

The appetite that is causing the most argument and trouble now is the yet appetite. Many folks believe they will be free if they can have all the liquor they want. The experience of the past does not seem to satisfy them. One would infer that the Garden of Eden would be restored if only we could all bathe in rivers of liquor. That prohibition is prohibiting, despite its enemies, is evident from facts that come to light every once in a while. From the London Times we learn that James Risk, the manager of the Scottish Malt Distillers Company, says that the consumption of whisky is half what it was in 1913. It had been found necessary, said Mr. Risk, to dismantle the distilling plant at one distillery. He also said that two distilleries of his company, which had been offered for sale, were still in the company's hands.

The prohibition aspect of spiritual freedom cannot be escaped. There is no freedom of any kind to many persons, who become the victims of drink. They cannot aspire to anything good and ennobling. The serpent of appetite kills the best in their natures, and paints every good impulse. One might as well invite a man with cancer of the stomach to a Christmas dinner. The teachings of the New Testament, whether of Jesus, Paul, or any of the other writers, are lofty. They must be worked at. No one ever saunters into righteousness with his hands in his pockets, and an I-guess-I-will-I-guess-I-won't attitude. The kind of freedom that is so high and distinctive that it becomes automatic is a freedom that few of us have, to the full. We may be striving for it, but we have not at-

tained. Beautiful as is the aurora borealis, it also often seems as far away. But what is the use of a religion easy of attainment?

"A man's reach should exceed his grasp, or what's a heaven for?" To live in a community where everyone constantly made the right choices would be heaven, would it not? But to learn the right choice is an art only arrived at in daily living in this work-a-day world. People have tried the virtues of colonies many times—colonies where a group would retire from the world, to specialize in righteousness, and to escape the pollution of an imperfect world. But this plan invariably is disappointing. There must be the give and take of every-day existence, its trials, disappointments and victories. Christ did not live in a secluded colony, neither did Paul nor Peter. After all, it is a good world in which to acquire character.

Lesson for Feb. 27—Making the Community Christian. (Temperance Lesson). Galatians 5:13 to 25. Golden Text—Have no fellowship with the unfruitful works of darkness, but rather reprove them. Eph. 5:11.

### Rees Didn't Know It

(Continued from Page 3)

has concluded that better results are obtained by working the old orchard, especially in a dry year. "The big trouble with having bluegrass in an orchard," he said, "is that folks pasture it, and I don't think that should be done. The livestock eats the leaves and young growth, and oiled hogs will kill the trees; I lost a bunch that way. I have used Red clover, cowpeas, and now I'm trying Sweet clover for cover crops. But you never should do this until the orchard is about ready to produce. I think it throws the trees into bearing sooner than they would normally."

"I've noticed that whenever we have a real heavy apple crop one year, the next yield will be light. That has been my experience." Rees laughed when his apple crop of 1926 was mentioned. "Got only 300 bushels," he said, "but you see

we never depend on a single crop." He has room to store 2,000 bushels in the basement of his packing shed, and he sometimes takes advantage of the cold storage houses in town. This way he has good control of the marketing end. The apple house, or packing shed, can be turned into a general utility building if the need arises. The driveway will accommodate machinery and cars. And apples can be loaded or unloaded under cover. All the better grades of apples are put into boxes and baskets. Regular customers take 50 per cent of the entire crop, and new patrons are being added to the list every year. Neighboring towns take care of the rest of the crop, so market hunting doesn't enter into the work. Rees gets from 75 cents to \$2 a bushel for his apples, and in good crop years only 25 per cent of that represents production and overhead costs, leaving 75 per cent for clear profit. It costs 6 cents a bushel to get the apples picked. Some time ago he used to hire pickers by the day. Two of the men agreed to pick by the bushel, and when it was found they were making more money than the others, naturally everyone wanted to change. And Rees was willing to accommodate them. The pickers did make more money, but they more than doubled their output, boosting it from 25 or 30 bushels a day to from 60 to 80 bushels, so Rees wasn't the loser by any means. And the change gave him a chance to check up on the kind of work every picker was doing. Instead of resulting in more damaged fruit, it reduced this loss. Again Mr. Rees said that the rapid picker is the better and more economical.

So that is the way he answered his challenge. Some folks had said it couldn't be done, but he didn't believe that. It makes a person hesitate before pronouncing something impossible.

### A New Test Association

J. R. Thompson has taken up his duties as tester for the newly formed Franklin County Cow Testing Association.

## TANNERY to YOU

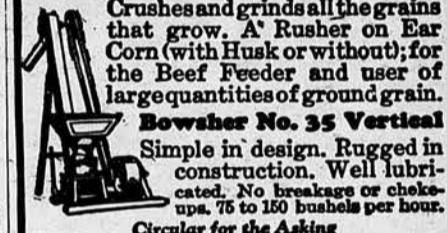


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Bowsher No. 35 Vertical  
Simple in design. Rugged in construction. Well lubricated. No breakage or check-ups. 75 to 150 bushels per hour.

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# Stop-Look-Listen!

American railroads are the safest in the world to ride on. They are safer than any other kind of transportation. But you can make them even safer by being more careful. The welfare of yourself and family may be involved.

- The railroads are making a vigorous effort to reduce accidents.
- Wen't you help?
- You can help in many ways and especially by observing these ten don'ts.
- ~ ~ ~ ~
- DON'T** cross railroad tracks, either walking or driving, until you stop and look in both directions, whether view is obstructed or not.
- Stop—look—listen!
- DON'T** try to cross tracks in front of an approaching train. It pays to wait.
- DON'T** cross a track after a train has passed, until you have made sure no train is coming from the opposite direction.
- DON'T** walk or stand on railroad tracks. If compelled to walk in railroad yards, avoid walking between the rails of any one track. There is usually room between the tracks.
- DON'T** let your children play around rail-
- road tracks or trains. Teach them to play elsewhere.
- DON'T** get on or off a non-passenger freight train or crawl under it.
- DON'T** attempt to get on or off a moving passenger train. Wait until it stops.
- DON'T** be careless when stepping on or off a standing passenger train. Watch your step.
- DON'T** stand on platforms of passenger cars. It is safer inside.
- DON'T** place hand or arm in an open window. The window may close unexpectedly.
- Two-thirds of all railroad accidents are incurred by persons going on railroad tracks without stopping, looking and listening.**
- You share in the responsibility for these accidents.
- Your co-operation means greater safety.

W. B. STOREY, President  
The Atchison, Topeka and Santa Fe Railway System.





# Moisture Conditions Good

## Field Preparation for Oats Seeding Has Made Progress But No Drilling Has Been Done

**I**N THE Central Wheat Belt and in Eastern Kansas, subsoil moisture is good and surface conditions generally are satisfactory for wheat. The western third of the state still needs moisture. Jack rabbits have done some damage to wheat fields.

Outdoor farm work has progressed well. Field preparation for oats seeding has occupied many farmers in the southern counties. Seed sales and exchanges are reported from all sections. There are no reports of oats drilling, but a week or so of warm weather would see some seed in the ground.

Forage supplies continue to prove ample for livestock in most of the counties except in the northwest. Eastern Kansas counties are finding a surplus of hay locally and some alfalfa and wild hay is being offered for sale. Very little pasturing of cattle is being done either on wheat or native grass. The Flint Hills district reports subsoil moisture as satisfactory and offers promise of good early pasture when warm weather arrives.

**Allen**—This county is free from bovine tuberculosis, the state test having been recently completed. A very small percentage of the cows were found to be infected. Fields are too wet for corn gathering. Oats sowing will be late.—Guy M. Tredway.

**Barber**—There was a light snow the first of the week closing with a light rain and fog. This melted the snow. Wheat is in good condition. We have ample feed here, and some livestock is being brought in. Roads good. Market dull. Wheat, \$1.22; kafir, 55c; corn, 75c; cream, 41c and eggs, 30c.—J. W. Bibb.

**Brown**—The relatively open winter has been fine for livestock. Wheat is in good condition. There is an excellent demand for hogs at public sales. Wheat, \$1.25; corn, 62c; cream, 41c; oats, 40c; eggs, 24c; hogs, \$11.25; hay, \$15 to \$20 a ton.—A. C. Dannenberg.

**Cloud**—A 20-hour steady rainfall has started all streams flowing, and ponds are being filled. Stalk fields are too muddy for pasturing and livestock requires care to economize on feed. Young pigs and calves are doing fairly well, but cows and chickens might improve. Some farm sales are being held and livestock is bringing satisfactory prices. People are disposed to keep up the supply of young horses. There is a demand for stock hogs, although grain is scarce and priced high.—W. H. Plumly.

**Coffey**—Rain and snow has made the ground too wet for farm work. Many public sales and everything brings good prices. Corn, 60c; kafir, 50c; oats, 40c; heavy hens, 20c; eggs, 25c and butterfat 41c.—M. L. Griffin.

**Cowley**—The wheat outlook is very good. Livestock is doing well. There is plenty of feed. Farmers are getting ready for oats sowing.—E. A. Millard.

**Finney**—Weather is changeable with some moisture. Wheat is making very little growth. More moisture is needed for the wheat. A few public sales are being held with fair prices. Cattle and horses are in fair condition. Road work has been delayed by the recent snow. Some farmers are poisoning rabbits. Wheat \$1.18; corn, 75c; kafir, 62c; eggs, 23c; butter, 40c and alfalfa \$15.—Dan A. Ohmes.

**Ford**—The recent rain brought enough moisture for present needs. The weather is ideal for wheat which is beginning to green up. Spring work has started, and oat and barley sowing will begin soon. Livestock is in good condition and is bringing fair prices. Not many public sales are being held. Wheat, \$1.23; corn, 75c; kafir, 56c; eggs, 24c and butter, 45c.—John Zurbuchen.

**Greenwood**—Damp cloudy weather prevails. Kafir threshing about finished. The yield was low. Seed oats are selling for 60 cents a bushel. Kanota oats seem to be the favorite with farmers. Some sales are being held. Cattle and hogs bring high prices. A few carloads of cane seed are being shipped out.—A. H. Brothers.

**Gove and Sheridan**—Some moisture the forepart of February, which is far better than dust storms. Still moisture is needed. It is too early to tell about the wheat conditions generally. Livestock is in fair condition. No public sales. Grain is being shipped in for feeding and seeding.—John I. Aldrich.

**Hamilton**—Livestock is in fine condition. Good horses bring a fair price. Hogs and pigs are at premium. Early chicks already are hatched. Weather fine. A little moisture on February 12. Milk cows selling at good prices. Land selling from \$10 up.—H. W. Hutchison.

**Harvey**—A fine rain Saturday night and Sunday forenoon insures plenty of moisture for the growing wheat for the present at least. Livestock is doing well and bringing good prices. Not many public sales are held. Wheat, \$1.22; corn, 73c; oats, 50c; butter, 40c; eggs, 27c.—H. W. Prouty.

**Jefferson**—After a four-day meeting Jefferson county folks organized a large poultry club. Much more interest is being taken in cows and chickens. Many renters will change farms on March 1. Farm labor is scarce. Farmers are watching the Kansas legislature.—W. H. Smurr.

**Jewell**—Received more than one-half inch of moisture in rain and snow which will greatly benefit the wheat. Wheat prospects are excellent but the subsoil needs much more moisture. Many public sales are being held with feed selling "sky high." Chickens and cows bring good prices, hogs fair, and other things fair to poor. This year will be a record breaker for poultry production in Jewell county.—Vernon Collier.

**Johnson**—Quite agreeable winter weather has been our lot for the first half of Feb-

ruary, with an occasional light winter snow. Roads keep fairly good. A little hog cholera is reported. A good many farm sales are held. Many farmers are about to move. Hens are laying well. No special shortage of feed. It is believed the peach buds are not killed. Potatb planters are preparing to plant their crop.—Mrs. Bertha Bell Whitelaw.

**Labette**—There has been a great deal of damp weather recently. For the first time in 15 years I have had to dip water from our concrete cellar in winter. Wheat is doing very well. Folks who expect to plow their fields for oats probably will be late this year in planting the crop. Everything sells well at public sales except horses—75-pound shotes brought \$14.50 apiece the other day. Two hundred acres of strawberries will be planted here in the spring by an association of folks interested in growing the crop. Corn, 65c; wheat, \$1.20; cream 42c.—J. N. McLane.

**Lane**—A 5-inch wet snow Sunday followed a day of mist and fog. We think it will make more than 1/2 inch of moisture and will help the crops a great deal. Stock is doing well. Plenty of feed so far, but there will be a shortage later. Wheat grew some during the warm spell. This snow will help to get spring crop in condition.—S. F. Dickinson.

**Logan**—We had a 3-inch snow, February 12, which helped the wheat. Livestock is wintering fine. No public sales are being held. Hogs are very scarce and sell for \$10.50 a hundred weight. Corn, 90c; wheat, \$1.19; bran, \$1.50; shorts, \$1.80; flour, \$4.20; eggs, 20c; cream, 41c; kafir, \$1.40 a cwt.—G. A. Richardson.

**Marshall**—We have been having some fine winter weather recently. Most of the incubators have been set, for the folks are looking forward to producing early chicks. The Farmer's Union had a big and very much worth-while meeting recently at Frankfort. Livestock is in good condition. Hay is scarce. Wheat, \$1.25; oats, 50c; corn, 63c; cream, 42c; eggs, 26c; hens, 24c; bran, \$1.45; shorts, \$1.65.—J. D. Stosz.

**Ness**—Nice weather the last week for winter time. The snow will be a great help to the wheat. Stock is going thru the winter in fair condition, considering the amount of feed. Farmers soon will be sowing oats.—Jas McMill.

**Osage**—Many sales in the last two weeks. Everything sells well except second class horses. All farms are either sold or rented before the sale. More land and town property sold this winter than for last five years. Scarcely any corn moving to market. Cream prices holding up well, but eggs going down.—H. L. Ferris.

**Phillips**—We had 4 inches of wet snow Sunday. It is fine for the wheat. A few public sales this week. Cows brought \$40 to \$50. Other cattle are selling low. Hogs are very scarce and there will be a light crop of pigs this spring. Eggs, 23c; butterfat, 40c; bran, \$1.45; shorts, 60c; corn chop, 20c.—J. B. Hicks.

**Rawlins**—This county has had a very fine rain and snow and wheat is in good condition. There have been several public farm sales and all brought good prices. The ground is covered with 6 inches of snow on the level. It is melting slowly, and the moisture is going into the soil.—A. Madsen.

**Republic**—Rainfall amounting to an inch has just fallen which places the ground in excellent condition. It was needed for surface moisture was beginning to evaporate rapidly. Farm sales have been numerous lately and as usually is the case stock of good quality brings good prices, even horses. Inferior stuff is selling low. All feed sells well and seed corn brings a premium.—Alex E. Davis.

**Smith**—We had a dandy rain and wet snow. Farmers are well pleased because they know it will help the wheat. All the moisture is going into the ground. Farmers are eager to buy bred sows, but a very few for sale here. The man with a herd of cows and a good flock of chickens smiles and pays his bills. Wheat, \$1.20; corn, 80c; cream, 41c and eggs, 25c.—Harry Saunders.

**Trego**—Farmers are somewhat discouraged over the outlook for a wheat crop. Livestock is in fairly good condition, but feed is getting scarce. Wheat, \$1.21; barley, 75c; seed oats, 63c; cane and kafir seed, \$1.50 a bushel.—Charles N. Duncan.

**Wabawasee**—Farmers have been busy feeding stock and cutting wood. Many farm sales are being held. Livestock is doing well. Some cattle have been shipped into the county recently by outside interests, that have hired farmers to feed the animals this winter and pasture them next summer. Eggs, 24c; butter, 35c; corn, 65c.—G. W. Hartner.

**Wilson**—Lots of rain and snow with very bad roads. We have had very little real cold weather, tho. A good many public sales with good prices. Some hogs and cattle being shipped to market. Many eggs are being taken to town. Also, a good number of early chicks are hatched. Eggs, 25c; butterfat, 43c; kafir 50c.—A. E. Burgess.

### A Glance at the Markets

The general farm market situation looked rather better toward the end of February because of the halt in downward tendency and the continued fair to good demand. Prices have been holding better in some leading lines of farm products. Cotton has been tending slightly upward for a month past. Grains, already low in price, have about held their own, as have hay, feeds, livestock, and dairy products. The decline in egg prices is the usual thing with increasing spring production at hand. Potatoes seem to have stopped going down for the time being and apples have been showing some price gains.

The world's wheat trade is active because of large stocks in producing countries and a supply in Europe smaller than a year ago. Heavy shipments from Argentina have tended towards slightly lower prices for American and Canadian wheat. Corn about holds its own because of light market receipts. Oats went a little lower about the middle of February. Flax is lower than last season because of large world-wide

(Continued on Page 33)

# Make Extra Big Poultry Money

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### Timber-Wolf

(Continued from Page 16)

den dark gleam, the quick, nervous steering of a trout rewarded her. She stood still, making a profound study of what lay before her; in what the rock-edged pool aided and wherein it would present difficulties. Scarcely more than a trickle of water poured out at the lower side; she could hastily pile up a few stones there, and so construct a wall insurmountable to the trout if minded to escape down-stream. Then she looked to the far side, where the water slipped in. She could lay a few broken limbs across the rock there and build up a rampart of stones and turf upon it, and so deflect nearly all of the incoming water. Both these things done, she could, if need be, bail the pool out, and so come with certainty upon whatever fish had blundered into it. She began to hope that she would find a dozen!

Twice, standing upon the glassy rocks, she slipped; once she got soaking wet to her knee; another time she saved herself from a thoro drenching in the ice-cold stream only at the cost of plunging one arm down into it, elbow deep. She shivered but kept steadily on.

She heard a bird among the bushes and started, thinking that here came Deveril; she fancied him with a string of fish in his hand, laughing at her. Impulsively she called to him.

The close walls of the ravine shut in her voice; the thickets muffled it; the splash and gurgle of the tumbling water drowned it out. She stood very still, hushed; now suddenly the silence, the loneliness, the bigness of the wilderness closed in about her. She looked about fearfully, half expecting to see men spring out from behind every boulder or tree trunk. She longed suddenly to see Babe Deveril coming up along the creek to her. She was tempted to break into a run racing back to him.

She caught herself up short. All this was only a foolish flurry in her breast, conjured up by that sudden realization of loneliness when her quickened voice died away into the whispered hush of the still solitudes. For an instant that feeling of being alone had overpowered her, or threatened to do so; then her only thought had been of Babe Deveril; she could have rushed fairly into his arms, so did her emotions drive her. Now she found time to puzzle over herself; it struck her now, for the first time, how she had fled unquestioningly into this wilderness with a man. A man whom she did not even know. That hasty headlong act of hers would seem to indicate a trust of a sort. But did she actually trust Babe Deveril, with those keen, cutting eyes of his and the way he had of looking at a girl, and the whole of his reckless and daredevil personality? Lynette Brooke had not lived in a cave all of her brief span of life; nor had she grown into slim girlhood and the full bud of her glorious youth without more than one look into a mirror. Vapidly vain she was not; but clear-visioned she was, and she knew and was glad for the vital, vivid beauty which was hers and thanked God for it. And she glimpsed, if somewhat vaguely, that to a man like Babe Deveril, taking life lightly, there was no lure beyond that of red lips and sparkling eyes. How far could she be sure of him? She went back with slow steps to her trout; she was glad that Babe Deveril had not heard and come running to her just then. But when Deveril did come, carrying two gleaming trout, she masked her misgivings and lifted a laughing face toward his triumphant one.

"We eat, Lynette!" he announced gaily.

Suddenly his eyes warmed to the picture she made, paying swift tribute to the tousled, flushed beauty of her. His glance left her face and ran swiftly down her form; she felt suddenly that her wet clothing was plastered tight to her.

"You can finish this," she told him swiftly, "if you want to take any more fish."

#### Her Teeth Chattered

"But, look here! Where are you going? Breakfast . . ."

Her teeth were beginning to chatter. "I'm going to try to get dry. You can start breakfast or . . ."

She fled, and called herself a fool

for growing scarlet, as she knew that she did; as the two burning rays had been directed full upon her back, she could feel his look as she ran from him; she could not quickly enough vanish from his keen eyes, beyond the thicket. And how on earth she was going to get dry again until the sun stood high in the sky, she did not in the least know. She could wring out the free water; she could make flails of her arms and run up and down until she got warm. . . . If only she had a fire; but that would be fool-hardy, the smoke arising to stand a signal for miles of their whereabouts. . . .

—And until this moment she had not thought of how they were to convert freshly caught fish into an edible breakfast! How, without fire? She began to shiver again, from head to foot now, and, confronted by her own problem, that of getting warm and dry, she

was content to leave all other solutions to Deveril.

When half an hour later she returned to him, she found him smoking a cigarette and crouching over a bed of dying coals, whereon certain tempting morsels lay; Deveril was turning them this way and that; with the savory odor of the grilling fish there arose from the embers a whiff of the green sage-leaves which he had plucked at the slope of the canon and laid first on his bed of coals. Crisp mountain-trout, garnished with sage! And plenty of clear, cold, sparkling water to drink thereafter! Truly a morning repast for king and queen.

"I hope they keep us on the run for a month!" Deveril greeted her. "I haven't had this much fun for a dozen years!"

"But your fire?" she asked anxiously. "Aren't you afraid? The smoke?"

"Where there's smoke, there's always fire," he told her lightly. "But when a man's on the dodge, as we are, he can have a fire that gives out almighty little smoke! It's all bone-dry wood, with only the handful of sage and a few crisscross willow sticks. Look up, and see how much smoke you can see!"

(TO BE CONTINUED)

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**OUR CLAIM Which we Stand Ready to Prove**  
 We claim that year in and year out, over a period of ten—twenty—thirty or more years, the Melotte will put the most cream in your cream can. The most cream because with its suspended, single-bearing self-balancing bowl, the MELOTTE skims perfectly during its entire lifetime and never wastes any cream. The most cream with less expense, because the hand balanced separators wear themselves out of balance and waste cream before each rebalancing. There are no Melotte rebalancing bills, as it never, never gets out of balance.

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right place to select a cream separator. Use it there just as if it were your own. Give it any test. After you have skimmed sixty times you will know it gets all the cream. You will know how handy it is. You will know how easy it turns. Your wife will know simple it is to wash. You will know the reason why we haven't been able to get any of these new Melottes until now.

## Write for Full Details! of this Great New Separator

Get the facts yourself. That's the first thing to do. Then you can decide. Don't be rushed into buying a separator from anybody until you have found out all about the new Melotte, until you have tried it right on your own farm. Remember, you get a whole year to pay for it. When you have a new Melotte, you are through buying separators forever; for the new Melotte lasts a lifetime and stays in perfect balance every minute. Even if you won't need a separator for several months, let us tell you about the New Low Model 77 self-balancing bowl Melotte.

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## A Complete Ration for Hens

Birds Which Receive a Properly Balanced Diet Will Increase Egg Production

BY A. R. WINTER

ONE of the most important things to provide for the laying hens is proper feed. Strange as it may seem, the average farm does not produce all of the feeds that are needed by the laying flock. It is poor management to get along with what one can produce when by buying a few pounds of feed to supplement the home-grown feeds the profits can be greatly increased.

The hen's diet should consist of grains, animal feed, green feed, mineral feed and water. A great many formulas are recommended by the different agricultural colleges, experiment stations, and commercial feed manufacturers. And most of the rations have about the same nutritive value. The apparent difference is due to whether or not the material has been recommended for feeding as a scratch grain and mash, as an all-mash feed, or as a commercial prepared mixed feed.

All of the best formulas may be summarized into one general one, which is as follows:

Grain, at least three kinds.....70 per cent  
Animal feed, at least one kind...10 per cent  
Green feed, as large a variety as feasible.....15 per cent  
Mineral feeds, grit and shell..... 5 per cent

Hens are creatures of habit, and while they prefer a variety of feed, they do not like sudden changes in the ration. To provide variety in the feeds, thus stimulating the appetite and increasing consumption as well as supplementing the deficiencies of the individual constituents, the most satisfactory rations are made up of several kinds of feeds.

The number of grains used and the quantity of each should be governed largely by availability and current prices. There is not a great deal of difference in the nutritive value of corn, barley, oats and buckwheat for poultry.

Yellow corn should furnish perhaps half of the grain fed if possible. It is easily available most everywhere that hens are kept, is usually cheap and is well liked.

### The Different Grains

Wheat is very palatable. It may constitute 1/4 of the grain fed. The by-products of the flour milling industry, such as red dog flour, standard wheat middlings, flour wheat middlings, and wheat feed may be substituted for whole wheat.

Barley is not so palatable as wheat, but makes a very desirable substitute.

Oats, if heavy, are very desirable for poultry. Light oats are of little value. They have a heavy shuck and contain too much fibre, which is largely indigestible. Oats may constitute the other 1/4 of the grains in the ration.

Buckwheat makes a desirable grain feed, but it is not profitable to let it furnish more than 10 per cent of the grains.

Rye is the least valuable of all the common grains for poultry. The kernel is hard and unpalatable. It is better to sell the rye and buy corn.

The grains furnish carbohydrates chiefly—the material that is used for producing body heat, the production of fat and energy for moving about. Owing to their close similarity in composition, one grain may be substituted for another in poultry rations without much difference in results.

The grains are not only energy producing foods, but together with green feed furnish sufficient vitamins for birds that get out in the sunshine.

The animal feed may be furnished by milk, meat scraps, tankage or fish meal.

If the birds have all the skimmilk they can drink, either sweet or sour, they will do very well without any other animal feed in the ration. However, the addition of 5 per cent meat scraps or tankage to the ration, even if liquid milk is supplied, will more than be paid for by the increased returns. Experimental tests indicate that, when compared on the basis of solids, there is no difference in the feeding value of skimmilk, buttermilk, or the semi-solid or dried products. It is customary to regard 1 pound of dried milk equal to 3 pounds of semi-solid

buttermilk, or 9 pounds of liquid milk. Meat scraps may be used as the animal feed. The material is much cheaper than milk and gives nearly as good results when fed to laying hens. At the present prices, it is more economical to feed the 50 per cent meat scrap which contains considerable bone than to feed the 75 per cent product which contains very little fat and bone.

Tankage, if of good quality, may be used as the animal feed. But much of the tankage put on the market is unpalatable, poorly digestible, and diluted with blood meal, a very poor protein, all of which produce unsatisfactory results when fed to poultry.

In case of difficulty in securing animal feed, or prohibitive prices, vegetable proteins may replace a part of it. Feeds that may be used are soybeans, cottonseed meal, linseed meal, or peanut meal.

### Green Feeds Aid the System

The animal and vegetable protein feeds are used for growth and repair of the body tissues, for feather growth, and for making the white of the egg and a big percentage of the yolk.

Green feeds may include alfalfa and clover, fresh or cured, corn silage, sprouted oats, mangels, carrots, turnips, rutabagas and cabbage. Forage such as alfalfa or clover hay fed in wire baskets is well liked by chickens. The younger the material the better—second growth is very good. The birds pick out the leaves and tender shoots and leave the stems. Cabbage is a very good green feed and may be fed in addition to hay. Sprouted oats is being used less and less because of extra work in preparing them and the trouble in preventing rot or mold. Any of the other materials mentioned are good. One precaution is necessary and that is to avoid feeding green feed in any form that is moldy, or contains rot. Such material is very likely to produce and spread disease.

Green feed acts as a tonic, stimulating the appetite, and also aids the digestive tract in functioning properly, securing for the bird a larger utilization of the feed consumed. It also furnishes some vitamins.

Less time has been devoted to a study of the mineral needs of laying hens than other phases of nutrition. A small amount of lime and phosphate are necessary for normal body function. Probably a sufficient amount is furnished by that found in the animal feed, grain and green feed. As a means of safety, it is advisable to add 1 per cent of bone in some form to the ration. Probably the ground raw bone is a little better than the other forms, such as precipitated bone or steamed bone meal. Rock phosphate will not take the place of bone satisfactorily. One per cent salt is included in the ration to increase palatability and aid digestion.

An abundance of lime is needed for egg shell formation. The amount will vary for different birds, depending on production. Hence, it is better to feed the extra amount in separate hoppers and let the birds eat it as needed. Limestone is sometimes used, but the best source of lime for egg shell formation is oyster shell.

In the formula which was given in the first part of this article no mention was made of vitamins. They will be supplied by the grains and green feeds. In case the birds do not get much sunshine, it is advisable to incorporate 1 or 2 per cent of codliver oil in the ration.

### Sheep Gain in Favor

Sheep are regaining in favor in Kansas if increasing numbers on Lyon county farms may be taken as an indication. Small flocks are dotting the farms surrounding Emporia, where a few years ago practically no sheep were raised. Among the largest sheep raisers is R. M. Little, who lives 15 miles southeast of Emporia, on whose farm 2,000 head of sheep are being fed.



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21	2.10	6.72	37	3.70	11.84
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**McMASTER'S REAL QUALITY CHICKS.** Big, husky, pure bred. Smith hatched chicks that grow and thrive. From best winter laying strains. Flocks personally inspected and culled for egg production. White and Barred Rocks, Reds (both combs), White Wyandottes, Anconas, White Leghorns. Quick service, and sold at hard time prices. Free price list. McMaster Hatchery, Osage City, Kan.

BABY CHICKS

**SHAW'S HUSKY RUSTLER BABY CHICKS,** Real quality chicks from high grade stock, carefully selected for high egg production; leading varieties; prompt shipments, prepaid, 100% live delivery, low prices, satisfaction guaranteed; big illustrated catalog free. Shaw's Hatchery, Emporia or Ottawa, Box 227B.

**YOUNKIN'S CHICKS, FROM WHITE DI-** arrhoea tested flocks. Single Comb White Leghorns 12c; White Rocks, White Wyandottes, Rhode Island Reds, 14c. We also hatch Buff Orpingtons, Buff Leghorns and Silver Wyandottes. Buy chicks that will live. Free catalog. Younkin's Hatchery, Wakefield, Kan.

**LIGHT BRAHMA, WHITE MINORCA,** White Langshan, Silver Laced, White and Columbian Wyandotte, Buff, White and Barred Rocks, Rhode Island Whites and Reds, White Leghorns and Anconas from certified flocks. 100% live delivery, satisfaction guaranteed. Burlington Hatchery, Burlington, Kan.

**\$1220.66 PROFIT FROM 476 PULLETS** raised from Shinn Chicks in one year. Mr. Irvin Sidwell writes: "The account stands like this: The income has been \$1,821.66; the feed, including everything, \$601.00; net profit of \$1,220.66." This is the best proof of the quality of our stock. Catalog free, with our very lowest prices. Wayne N. Shinn, Box 319, La Plata, Mo.

**ROSS' GUARANTEED CHICKS, DON'T** order chicks without first getting our catalog and exceptionally low prices on guaranteed egg-production chicks from Certified, State Accredited and inspected flocks. All flocks developed to unusually high standards in health, vigor, egg strains. Our guarantee insures you chicks that will live, grow and produce. Catalog free. Ross Hatchery, Box 451, Junction City, Kan.

**TOM BARRON ENGLISH LEGHORNS.** Baby chicks and hatching eggs from flock trapped for five years. Every nest a trapnest and every male bird from dams with records of 285 to 296 eggs. Eggs, \$8.00 per hundred; Chicks \$15.00 per hundred; \$70.00 for 500; \$120.00 for 1,000. Live arrival and satisfaction guaranteed. Million Smiles Leghorn Farm, Pierce City, Mo.

JAYHAWK CHICKS

Are hatched from flocks that are bred and culled to lay. Write for prices. Jayhawk Hatchery, 1233 Lane Street, Topeka, Kan.

HARDY OZARK CHICKS

State Accredited. Tenth anniversary year. Ten years of personal culling insures superior chicks. Big catalog free. Kennedals Hatchery, Springfield, Mo.

Vesper's Success Chicks

For more eggs and greater profits. Guaranteed healthy, pure bred, from heavy producing flocks. Vesper's Mammoth Hatchery, Dept. F., Topeka, Kan.

Co-Operative Chicks

Cost Less. Co-operation does it; all flocks accredited by state certified operator; famous laying strains; our free circular and prices will interest you. Co-Operative Hatchery, Chillicothe, Mo.

OUR BUSINESS

is furnishing old and new customers Pure Bred, quality Baby Chicks from the best bred range flocks in Central Kansas at prices that insure future orders. Brewer Hatchery, McPherson, Kan.

A. C. HATCHERY

A Hatchery owned by flock owners. Our chicks all come from graded and culled flocks of highest type. When better chicks are hatched we will hatch them. A. C. Hatchery, Arkansas City, Kan.

Blood Tested Chicks

Popular breeds. Heavy layers. Show winners. Buckeye hatched. Leghorns \$13. Heavy breeds \$14 up. 100% live delivery. Satisfaction guaranteed. Send for catalog and prices. Tindell's Hatchery, Burlingame, Kan.

Three Years Bloodtested

Our chicks from stock tested three years for Bacillary White Diarrhea. Pure bred, certified, inspected, accredited, guaranteed to live. Free catalogue and testimonials. Mid-Western Poultry Farms & Hatchery, Burlingame, Kan.

Kohlmeyer Selected Chix

Hatched from State Accredited Certified blood tested and utility flocks. Ten leading varieties. 100 per cent alive delivery postpaid. Write for large free folder. Satisfaction guaranteed. Kohlmeyer Hatcheries, Greenleaf, Kan.

ACCREDITED CHICKS

All varieties. Hatched in mammoth incubators, producing strong, healthy chicks that live. Price, \$14.00-100, \$65.00-500. Not accredited, \$12.00-100. 100% live delivery. Free feed with orders. Titchhauser Hatchery, 2124 S. Santa Fe, Wichita, Kan.

Tudor's Superior Chicks

Give us your order for our Pure Bred Smith hatched Superior Quality Chicks. We will surely please you. We have extra good high producing culled stock. Member International Baby Chick Association. Catalog free. Tudor's Pioneer Hatcheries, Dept. M, Topeka, Kan.

We Want Your Order

For Baby Chicks. All Saline County flocks and culled by experts 12 varieties. Not the largest but one of the best conducted hatcheries in Kansas. 100 per cent live, healthy arrival guaranteed. Write for lowest priced price list consistent with quality. Eight railroads. Salina Hatchery, 120 West Pacific, Salina, Kan.

Sabetha Blue Ribbon

Chicks, sired by 200-296 egg males. Kansas Accredited and Certified 3 years. Known that put you into a paying business. Heavy quality, high trapnest records assure heavy laying stock. Buy chicks carefully, difference depend on it. 1c more chick, spells difference between success and failure. Don't skimp on quality, 200 egg hen is bred, doesn't just happen. Free catalog on facts on our high trapnest bred to lay chicks. Sabetha Hatchery, Department B, Sabetha, Kan.



BABY CHICKS

CRAWFORD CHICKS

State Certified and Accredited. All lead- breeds bred by Brown County Poultry- men under careful supervision. Five years breeding and mating insures type, quality and vigor. 100 per cent live healthy and guaranteed. Write for free catalog and prices. Crawford Hatchery, Dept. 1, Horton, Kan.

Quality Not Quantity

All my own flocks and hatching. Blood tested and meet standard requirements. Tancred Single Comb White Leghorns, Ma- jor Single Comb Rhode Island Reds, Re- sponds White Wyandottes, Thompsons' Red Rocks and Shepards Anconas. Our methods of breeding and mating enable us to guarantee satisfaction. 100% live delivery guaranteed. H. L. Machin, Wamego, Kan.

BAKER CHICKS

One of the oldest, most dependable pro- ducers of strictly first class chicks at rea- sonable prices in America. Reds, Barred, White and Buff Rocks, Wyandottes, Buff Orpingtons, Heavy White Leghorns, Fifteen Dollars per hundred. Guaranteed alive, pre- paid delivery. Avoid disappointment, order today. We have chick buyers in your local- ity, let us tell you about their success. Bak- er Hatchery, Abilene, Kan.

WICHITA CHICKS

PRODUCERS OF PROFIT FOR YOU. Big, husky, pure bred chicks of unusual quality. Now ready for delivery. All popular breeds from Kansas State Accredited flocks. 450,000 chicks this season. 100% live delivery, pre- paid. Reasonable prices. Breeders of Marcy Farm Jersey Black Giants. Orders booked now insure early delivery. Our free 1927 catalog points the way to success. Write for your copy today. Wichita Hatchery, Dept. A, Wichita, Kan.

Sunny Slope Hatchery

You know me and my White Orpingtons. I want you to know my hatchery. Am hatching all popular breeds, from pure bred flocks, on nearby farms, which I oversee, cull and mate as carefully as my own White Orpingtons. If you want the best at rea- sonable prices, write me. All orders have my personal attention. I will ship only the quality chicks I would want if I were buy- ing. Booking orders for future delivery. Hatch every week, beginning in February. Capacity 47,000. Mrs. E. H. Ladwig, Troy, Kan.

Johnson's Peerless Chicks

One million big, husky, Smith hatched chicks for 1927, from pure bred, closely culled, heavy producing, free range Anconas, White, Buff and Brown Leghorns; Barred, White and Buff Rocks; Rose and Single Reds; Rose and Single Rhode Island Whites; Buff and White Orpingtons; Buff, White and Black Minorcas; White and Silver Wyandottes; White Langshans and Jersey Black Giants. Low prices. Live delivery guaranteed. One of the largest and best equipped Hatcheries in the west. Catalogue free. Member International and American Baby Chick Associations. Johnson's Hatch- ery, 218C West First Street, Topeka, Kan.

Bartlett Purebred Chicks

Twenty leading varieties all from Hegan tested, heavy winter egg laying strains. Farm raised, strong, healthy, free range flocks under direct supervision of sat- isfied customers in twenty-seven states say Bartlett Quality Chicks are the best money can buy. Two weeks free feed and Bartlett Farms successful copyrighted plans "How to Raise Baby Chicks" free with each order. Get Bartlett Quality Chicks, raise them the "Bartlett Way" and realize real poultry satisfaction. If you want extraordinary quality at reasonable prices we can please you. 13th successful year, \$50,000 poultry breeding establishment. Bank references. Inter- esting descriptive booklet free on request. Bartlett Poultry Farms, Route 5, Box B, Wichita, Kan.

Peters-Certified Chicks

For your protection they are sent with a real guarantee to live covering first two weeks. They are produced from healthy, heavy production flocks continually under the supervision of our practical poultry specialist, A. G. Peters, formerly with the U. S. Dept. of Agriculture. After 11 years of breeding we have the following varieties bred up to our health and egg-production standards. White, Buff and Brown Leg- horns; Barred, Buff and White Rocks, S. C. and R. C. Rhode Island Reds; Buff and White Orpingtons; White Wyandottes and S. C. Anconas. Sent parcel post prepaid at reasonable prices anyone would be will- ing to pay. Our free catalog furnishes proof that these chicks live up to their certification for our customers and that we always stand back of our guarantee. Ad- dress Peters-Certified Poultry Breeders Assn. or Peters Farm, Box 451, Newton, Iowa.

BLACK SPANISH

WHITE FACED BLACK SPANISH EGGS; good fertility, \$7-100; \$1.25-15; prepaid. Mrs. Clarence Zook, Hesston, Kan.

BRAHMAS

LIGHT BRAHMA COCKERELS, \$2 AND \$3. Roy Smith, Montezuma, Kan.

LIGHT BRAHMA EGGS, \$6.00 HUNDRED. Postpaid. Effie Smith, Farlington, Kan.

LIGHT BRAHMAS, EGGS \$5.50 HUNDRED. Postpaid. Herbert Schwarzer, Atchison, Kan., Rt. 4.

PURE BRED MAMMOTH BRAHMA EGGS of blue ribbon winners, \$1.00 per setting, postpaid. Orle Hachtenberg, Moundridge, Ks.

PURE BRED LIGHT BRAHMAS. WIN- ners National Western Poultry Show, Denver, 1925. Cockerels \$3 up. C. S. Hol- tinger, Ellis, Kan.

BANTAMS

BUFF COCHIN BANTAMS; COCKERELS. Hens, pullets, \$1.00. J. O. White, Sterling, Kan.

BUTTERCUPS

CLOSING OUR SICILIAN BUTTERCUPS; about forty pullets, \$1.75 each; cockerels \$2.50 each. J. A. Corkill, Goodland, Kan.

GAME FOWL

PEAFOWL, PHEASANTS, BANTAMS, PIG- sons. Free circular. John Hass, Bettendor- f, Iowa.

DUCKS AND GEESE

MUSCOVEY AND ROUEN DUCKS, TOU- louse and Buff Ganders Fred Kucera, Clarkson, Neb.

LARGE WHITE EMBDEN GEESE AND Rouen ducks, both sexes. Gladys Bowser, Abilene, Kan.

PURE WHITE EMBDEN GANDERS \$4.00; Pure White Muscovy Ducks, \$1.50; Drakes, \$2.00; trio, \$5.00; Pure White African Gul- eas. A. Sells, Maple Hill, Kan.

HAMBURGS

SILVER SPANGLED HAMBURG COCK- erels, \$2. Mrs. Fay Bradley, LeRoy, Kan.

JERSEY BLACK GIANTS

MARCY'S MAMMOTH GIANTS. NOTHING better. Eggs, Chicks, Buckeye hatched. Reasonable. The Thomas Farms, Pleasanton, Kan.

LEGHORNS—BROWN

ROSE COMB BROWN LEGHORN COCK- erels, \$1.50. Prizes won, Ida Standiford, Reading, Kan.

DARK BROWN ROSE COMB LEGHORNS, bred for high egg production. Eggs \$6.00-100 prepaid. I refund you for each egg not fertile. Frank Krause, Hope, Kan.

STATE CERTIFIED, EXHIBITION R. C. Brown Leghorns of Sunflower Strain. Can offer something unusually good. Send for free book describing and pricing. Ernes- t Berry, Drawer "D," Newton, Kan.

LEGHORNS—BUFF

ROSE COMB BUFF LEGHORN COCK- erels. Gertrude Gross, Junction City, Kan.

PURE LARGE SINGLE COMB BUFF LEG- horns, real layers, eggs 5c. Clarence Wall- er, Moline, Kan.

GET QUALITY BUFF LEGHORN COCK- erels 5 for \$10.00; 3 for \$10.00. Pens, Eggs, Chicks. Write us, Pearl Haines, Rosalia, Kan.

BUFF LEGHORN CHICKS FROM PETERS- Certified Flocks perfected in egg-laying and health. Sold on tested egg-production standards. Early maturing money-makers. These chicks are sent with a genuine guar- antee to live covering the first two weeks— for your protection. Prices very reasonable. Get our free catalog which contains many reports from customers, also our poultry specialist's valuable book, "A Money-Making System of Poultry Breeding." Address Peters-Farm, Box 453, Newton, Iowa.

LEGHORNS—WHITE

S. C. WHITE LEGHORN COCKERELS. ED Barnes, Clay Center, Neb.

ENGLISH WHITE LEGHORN CHICKS, \$12.00-100. Prepaid. Young's Hatchery, Wakefield, Kan.

BARRONS—A SELECTED FLOCK WITH vitality. Eggs 5c; Chicks 12 1/2c. Grover Lee, Pratt, Kan.

ENGLISH S. C. W. LEGHORN EGGS, Chicks, from good productive flock. Cir- cular free. C. L. White, Crystal Springs, Kan.

YESTERLAID STRAIN CHICKS FROM high egg production stock, 100-\$12.50, pre- paid. Mrs. Leah McHenry, McLouth, Kan.

FOR SALE: COCKERELS, WORLD'S BEST young strain direct. Single Comb White Leghorn cockerels, 90c each. Clyde Colwell, Smith Center, Kan.

HEAVY WHITE LEGHORN CHICKS, BEST quality, prolific layers, guaranteed alive, prepaid delivery. Thirteen dollars per hun- dred. Baker Hatchery, Abilene, Kan.

PURE TANCREED CHICKS, 100-\$15. FROM high egg production flock mated to males whose pedigrees trace directly to Mr. Tan- creed III mating. E. W. McHenry, McLouth, Kan.

IMPORTED ENGLISH BARRON HIGHEST pedigreed blood lines S. C. W. Leghorns. Trapped record 303 eggs. Chicks, Eggs, Special price. Guaranteed. George Patter- son, Richland, Kan.

BARRON ENGLISH WHITE LEGHORNS, 287 to 314 egg strain. Young strain Amer- ican exhibition Leghorns. Pedigreed cock- erels \$5.00. Pen eggs and chicks. Send for catalogue. Ralston & Son, Udall, Kan.

STATE ACCREDITED, EXHIBITION S. C. White Leghorns. Sunflower Strain are trapped. Have something extra to offer. Send for free book with description and prices. Ernest Berry, Drawer "C," Newton, Kan.

TOM BARRON AND TANCREED WHITE Leghorn Chicks, direct from pedigreed, trapped, state certified, 303-304 egg strain foundation stock. Catalogue free. Johnson's Hatchery, 218 C West First Street, Topeka, Kan.

DON'T WORK! LET OUR HENS SCRATCH for you. White Leghorns, English Barron, large bred, 304-316 egg strain. Entire flock tested by expert poultry judge. Eggs; range 100-\$7.00; special pens 100-\$10.00. The Hill- view Poultry Farm, Miltonvale, Kan.

THE CAPITOL CITY EGG FARM. IM- porters and breeders of Tom Barron Eng- lish Leghorns. Hatching eggs from selected flock headed by cockerels from our 1926 imported pens. \$8.00 per hundred. From special pens \$10.00 and up. From 1926 im- ported pens \$5.00 per setting. Baby chicks \$16.00 to \$20.00 per hundred. Place orders now for preferred dates. M. A. Hutcheson, Prop. P. R. Davis, Manager, Topeka, Kan., Route 6.

WHITE LEGHORN CHICKS FROM Peters-Certified Flocks perfected in egg- laying and health. Ours are large type birds bred especially for large eggs suitable for first class white egg markets. These chicks are sent out with a genuine guarantee to live covering first two weeks. This is your protection. Sold on tested egg-production standards. Prices very reasonable. Get our free catalog which contains many re- ports from customers, also our poultry spe- cialist's book, "A Money Making System of Poultry Breeding." Address Peters-Farm, Box 453, Newton, Iowa.

LEGHORN—EGGS

SINGLE COMB BUFF LEGHORN EGGS. \$4.50 per 100. Entire flock sired by and mated to trapped cockerels of high pro- duction. Mrs. Ernest A. Reed, Lyons, Kan.

Spends \$3.90—Has to Return \$350 for Unfilled Orders

Mr. Boone ran the following 13-word ad in Kan- sas Farmer 3 times—Jan. 15, 22 and 29, 1927, at a total cost of \$3.90:

MAMMOTH GOLDBANK BRONZE PUL- lets, big boned, fine markings, \$7.00. Frank Boone, Murdock, Kan.

His letter tells the results:

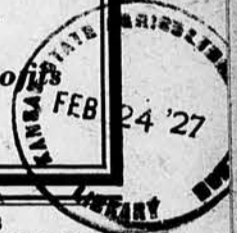
Murdock, Kan., Feb. 10, 1927.

My ad in Kansas Farmer sure did the work. I was sold out in two weeks and have returned \$350 for orders I could not fill and they are still coming.

Frank Boone.

Use Kansas Farmer Classified Ads for Quick Profits

Reaches 125,000 interested subscribers each week. Clip classified ad form in February 12 issue.



LEGHORNS—EGGS

PURE BRED BUFF LEGHORN EGGS. \$4.00-100. Roy Lambert, Coats, Kan.

EGGS: SINGLE COMB WHITE LEG- horns, \$4.00-100. Mrs. S. F. Crites, Burns, Kan.

SINGLE COMB DARK BROWN LEG- horns, Everlay strain, closely culled. Eggs \$4.50 hundred. Gay Small, Galva, Kan.

TANCREED LEGHORN EGGS AND CHICKS. Stock direct from Tancred. Write for prices. Lloyd Stahl, Burlingame, Kan.

BARRON STRAIN, BLOOD TESTED, S. C. W. Leghorns. Eggs \$5.00 per hundred. Jessie Wetzel, Burlingame, Kan. Route No. 4.

SINGLE COMB WHITE LEGHORN EGGS, state certified Grade "B" layers and win- ners, \$6-100. Frank Peterson, Jamestown, Kan.

SINGLE COMB ENGLISH WHITE LEG- horn eggs \$4.25 per hundred State Ac- credited, prize winners. Leona Unruh, New- ton, Kan.

EGGS: FRANTZ, ESTES AND COCHRANE stock, satisfaction guaranteed, \$6.00 per hundred; chicks 12c each. John F. Rankin, Gardner, Kan., Box 36.

TANCREED IMPERIAL MATING STOCK exclusively, direct from Tancred. Oldest established pure Tancred pens in Kansas. Trapped. J. W. Zahnley, Route 8, Man- hattan, Kan.

GALLOWAY'S S. C. WHITE LEGHORNS. Certified, blood-tested, mated to sires from hens with 224-250 egg records. Eggs 5c at farm, 6c shipped. Ralph Galloway, Jamestown, Kan.

S. C. WHITE LEGHORNS, DIRECT FROM Geo. B. Ferris best egg strain, 260 to 300 strain, none larger, none better layers, none better looking birds. First pen \$10.00 per hundred, second pen \$6.00 per hundred eggs. Write today. G. H. Sommers, West- moreland, Kan.

LANGSHANS

PURE BLACK LANGSHAN COCKERELS. \$2.50 each. C. Wilfred Moon, Pratt, Kan.

WHITE LANGSHANS. BEST WINTER layers. Eggs \$6.00-100, prepaid. Mrs. Robt. Lester, Delavan, Kan.

EXTRA FINE PURE BRED WHITE LANG- shan eggs \$4.50-100. FOB. Mrs. Charles Stalcup, Preston, Kan.

PURE BRED WHITE LANGSHAN EGGS, 100-\$5.00 post paid. Mrs. Cleve Hartsell, Preston, Kan.

PURE WHITE LANGSHANS. EGGS, \$7.00. Chicks 20c each, postpaid. Mrs. Edgar Lewis, Mullinville, Kan.

ACCREDITED WHITE LANGSHAN EGGS, \$6.50 per hundred, delivered. Clarence Dosien, Valley Center, Kan.

LANGSHAN—EGGS

WHITE LANGSHANS, PURE BRED. Eggs 100-\$5; 50-\$3.50. Mrs. D. A. Swank, Blue Mound, Kan.

WHITE LANGSHAN EGGS FROM CERTI- fied flock prize winners, extra good lay- ers! \$1.50-15, \$7.00-100, prepaid. Mrs. Carl Nebelung, Waverly, Kan.

MINORCAS—BUFF

BUFF MINORCAS, CHICKS AND EGGS. J. M. Miller, Mapleton, Kan.

MINORCAS—WHITE

WHITE MINORCA CHICKS, EGGS. GLEN Krider, Newton, Kan.

BOOK YOUR ORDER FOR GAMBLE'S Mammoth Single Comb White Minorca eggs, chicks. Mrs. C. F. Gamble, Earleton, Kan.

WHITE MINORCA CHICKS, BEST QUAL- ity, prolific layers, guaranteed alive, pre- paid delivery. Twenty dollars per hundred. Baker Hatchery, Abilene, Kan.

MAMMOTH S. C. WHITE MINORCA EGGS. Blue Ribbon winners in six shows 1926. Every hen under trapnest. Free circular. E. D. Hershberger, Newton, Kan.

MAMMOTH SINGLE COMB WHITE MIN- orcas, best layers, non-sitters. Eggs and fowls bring premium market prices. Eggs \$6.00 hundred, \$18 case prepaid. Farm range flock. Santa Fe Poultry Farm, Cun- ningham, Kan.

MINORCA—EGGS

WHITE MINORCA EGGS, 4 CENTS EACH. Joe Greiving, Nashville, Kan.

MINORCAS—EGGS

WHITE MINORCA EGGS, \$6.00 hundred. Will Mellecher, Spearville, Kan.

ROSE COMB WHITE MINORCA EGGS, 100- \$8. Elmer Karns, Kingsdown, Kan.

SINGLE COMB WHITE MINORCA EGGS, 100-\$7. Very select mating. Clifton Buckles, Clyde, Kan.

ORPINGTONS—WHITE

PURE BRED WHITE ORPINGTON COCK- erels at bargain prices next thirty days. Large boned, healthy, good color, type 6-8 lbs., some 9 lbs., \$2.50, \$3.00. Reduction on numbers. Baby Chicks \$15-100. Mrs. Effie Wilmarth, Corning, Iowa.

WHITE ORPINGTON CHICKS FROM Peters-Certified Flocks perfected in egg- laying and health. Sold on tested egg-pro- duction standards. Early maturing money- makers. These chicks are sent with a genu- ine guarantee to live covering the first two weeks—for your protection. Prices very reasonable. Get our free catalog which con- tains many reports from customers, also our poultry specialist's valuable book, "A Money- Making System of Poultry Breeding." Ad- dress Peters-Farm, Box 453, Newton, Iowa.

ORPINGTONS—BUFF

PURE BRED BUFF ORPINGTON CHICKS, March 1st and 10th, 12c. Mrs. Rinker, Eskridge, Kan.

BUFF ORPINGTON COCKERELS, 1926 certified flock, \$3.00 to \$5.00. M. A. Hatch, Mahaska, Kan.

PURE BRED SINGLE COMB BUFF OR- pington cockerels, \$2.50 to \$5.00 each. Rus- sell Welter, Grantville, Kan.

BUFF ORPINGTON COCKERELS, \$3.00. Cook Strain. Eggs, \$6.00 per 100 Mrs. Mamie Richards, Haviland, Kan.

BUFF ORPINGTON EGGS, STANDARD bred, superior type, color, winter layers. Unique Poultry Farm, Little River, Kan.

BUFF ORPINGTONS, STATE ACCRED- ited and under trapnest. Eggs \$6.50, pre- paid; special settings \$2.50. Mrs. Opal Her- ring, Sparks, Kan.

BUFF ORPINGTON CHICKS, BEST QUAL- ity, prolific layers, guaranteed alive, pre- paid delivery. Fifteen dollars per hundred. Baker Hatchery, Abilene, Kan.

BUFF ORPINGTON CHICKS FROM Peters-Certified Flocks perfected in egg- laying and health. Sold on tested egg-pro- duction standards. Early maturing money- makers. These chicks are sent with a genu- ine guarantee to live covering the first two weeks—for your protection. Prices very reasonable. Get our free catalog which con- tains many reports from customers, also our poultry specialist's valuable book, "A Money-Making System of Poultry Breeding." Address Peters-Farm, Box 453, Newton, Iowa.

BUFF ORPINGTONS—EGGS

EXTRA QUALITY S. C. BUFF ORPING- ton eggs \$6.00 per 100. Leo J. Knop, Preston, Kan.

STATE ACCREDITED, GRADE A, BUFF Orpingtons. Eggs \$6.00 per 100. Frank Dale, Coldwater, Kan.

PURE BRED SINGLE COMB BUFF OR- pington eggs, 100-5.00, 15-\$1.50, prepaid. Mrs. George McAdams, Holton, Kan.

BUFF ORPINGTON EGGS, FROM PURE bred flock; \$5.00 per 100; pens \$4.00 per 50; \$7.00 per 100. Delbert Deege, Frizell, Kan.

S. C. BUFF ORPINGTON COCKERELS, Owens strain. Nationally known for ex- hibition, utility qualities, \$3.00 and \$5.00. Eggs \$6.00-100. Mrs. N. E. Laird, Potwin, Kan.

PURE BRED BUFF ORPINGTONS, AT Marshall County Poultry show we were 1st old pen, 1st young pen, 1-2 hen, 1-2 pullet, 1-2 cockerel. Eggs from these \$1.00 setting. J. L. Moorhead, Blue Rapids, Kan.

ORPINGTON—EGGS

EGGS FROM HEAVY LAYING WHITE Orpingtons. Blue ribbon winners. Males from accredited flocks heading range flock \$6.00 a hundred. Mrs. Louis Tajchman, Ramona, Kan.

BUFF ROCKS

BUFF ROCKS: 100 EGGS \$5.00. PRIZE winning strain. Mrs. Robt. Hall, Neo- desha, Kan.



**BUFF ROCKS**

100 BUFF ROCK EGGS \$6.00; 50-\$3.50. Maggie E. Stevens, Humboldt, Kan.  
BUFF ROCK CHICKS, BEST QUALITY, prolific layers, guaranteed alive, prepaid delivery. Fifteen dollars per hundred. Baker Hatchery, Abilene, Kan.

**BARRED ROCKS**

RINGLETS BARRED ROCK COCKERELS, \$2.50, \$3.00 each. Oscar Chinn, Coats, Kan.  
PARKS 200-325 EGG STRAIN, PERMIT TO advertise, resell eggs, chicks, 8-12 weeks. R. B. Snell, Colby, Kan.  
QUALITY BARRED ROCKS, BRED FOR laying. Cockerels \$3.00 and \$4.00. Mrs. C. W. Douglass, Wray, Colo.  
BARRED ROCKS, BRED FOR VIGOR, quality, production. State accredited. Eggs \$6.00 per hundred. G. L. Buffington, Winfield, Kan.  
PARK'S OVER 200 EGG BARRED ROCKS. Eggs \$7.00-100; \$2.50-15; pens, Chicks 17c and 20c each, prepaid. Mrs. F. Hargrave, Richmond, Kan.

BARRED ROCKS, YELLOW LEGS, HEAVY layers, Bradley strain. Eggs, 100-\$6.50, 50-\$3.50, 15-\$1.50, postpaid. Mrs. J. B. Jones, Abilene, Kan.

BARRED ROCK CHICKS, BEST QUALITY, prolific layers, guaranteed alive, prepaid delivery. Fifteen dollars per hundred. Baker Hatchery, Abilene, Kan.

EGGS FROM THOMPSON'S RINGLET \$3.00 per setting from pens, range flock \$7.50-100. Dark matings. Fertility guaranteed. Joe Meyer, Leavenworth, Kan. Route 2.

IMPERIAL RINGLET BARRED PLYMOUTH ROCKS. Bred for size, type and egg production. Descriptive mating and price list free. A. L. Hook, Route 4, Coffeyville, Kan.

SIMS BARRED ROCKS, BIG WINNINGS at the State and National Shows last 12 years is evidence of their supreme quality. Cockerels for sale. Eggs 15-\$3.00; 30-\$5.00. Correspondence solicited. George Sims, LeRoy, Kan.

BARRED PLYMOUTH ROCKS, HOLTERRMAN'S "ARISTOCRATS" (direct). Hatching eggs from farm range stock. 15-\$1.25; 100-\$6. Baby Chicks, 25-\$4; 100-\$15. Delivered prepaid. Avoid disappointment by ordering now. Weaver Gardens, Wichita, Kan.

MOORHOUSE'S BETTER BARRED ROCKS: Buy chicks from state accredited blood tested stock. Excellent layers and good show birds, won at Wichita National January 1927, 1st pen, 3rd cock dark, 3rd and 4th cockerel light. Write for prices on pen chicks. Moorhouse Hatchery, Murdock, Kan.

BARRED ROCK CHICKS—FROM PETERS. Certified Flocks perfected in egg-laying and health. Sold on tested egg-production standards. Early maturing money-makers. These chicks are sent with a genuine guarantee to live covering the first two weeks—for your protection. Prices very reasonable. Get our free catalog which contains many reports from customers, also our poultry specialist's valuable book, "A Money-Making System of Poultry Breeding." Address Peters-Farm, Box 453, Newton, Iowa.

**BARRED ROCK—EGGS**

PARKS BARRED ROCKS; EGGS 100-\$5.00. Rena DeBusk, Macksville, Kan.

THOMPSON BARRED ROCKS; EGGS 100-\$5.00. Willa Reeser, Olivett, Kan.

HOLTERRMAN'S ARISTOCRATS, LAYING strain; eggs \$3.00. Byron Wilson, Cheney, Kan.

EGGS FROM MATURE STATE ACCREDITED flock. \$4.50 per hundred. Rhea Everett, Windom, Kan.

STATE CERTIFIED BARRED-ROCK EGGS \$5.00 per \$100. Laying strain. Early Ranch, Ulca, Kan.

THOMPSON "RINGLETS" BARRED Rocks, eggs fifteen \$1.00, hundred \$6.00. O. Cunningham, Briggsdale, Colo.

EGGS FROM MY BLUE RIBBON WINNERS, \$5.00 per 15. Utility eggs \$6.00 per 100. Circular. C. C. Lindamood, Walton, Ks.

LARGE BONED, YELLOW LEGGED, Bradley strain Barred Rocks, 100 eggs \$6.25; 50-\$3.50; 15-\$1.50. Mrs. Ira Emig, Abilene, Kan.

PURE "RINGLETS", HEAVY WINTER layers. Bred sixteen years. Range. Eggs; hundred, \$5.00; fifty, \$3.00; setting, \$1.00. G. C. Dresher, Canton, Kan.

DARK BARRED ARISTOCRAT EGGS from range, 15-\$1.50; 100-\$7. Eggs from trapped pens, hatched from Holtersmans \$30, settings 15-\$5. Carl Ausherman, Elmont, Kan.

BARRED ROCKS, THOMPSON STRAIN. Certified Class A. Flock mated with cockerels from 225 to 289 egg hens. Eggs \$7.00-100; \$1.50-15, prepaid. Patience Amcoats, Clay Center, Kan.

MUELLER'S RINGLET BARRED ROCK eggs for hatching. Accredited Grade "A". Range flock No. 1, \$9.00-100; range flock No. 2, \$8.00-100. Special pens \$3.00 and \$5.00 per setting. Wm. C. Mueller, Route No. 4, Hanover, Kan.

**WHITE ROCKS**

PURE WHITE ROCK COCKERELS, \$2.00 each. Mrs. Anna Michler, Joes, Colo.

WANTED: WHITE ROCK EGGS HENS, Roosters. Vaughn F. Siler, Coats, Kan.

WHITE ROCK COCKERELS, \$3.50, \$5.00. Eggs, Chicks in April. Fowler Bros., Russell, Kan., Rt. 3.

WHITE ROCK CHICKS, \$14.00-100. Prepaid. Guaranteed alive. Young's Hatchery, Wakefield, Kan.

FISHEL STRAIN WHITE ROCKS; ACCREDITED Class "A". Eggs, cockerels, baby chicks. Carl Keesling, Neodesha, Kan.

WHITE ROCK BABY CHICKS FROM Kansas Accredited A trapped flock, \$16 per hundred. Homer Ramsour, Route 3, Junction City, Kan.

WHITE ROCK COCKERELS, DISCOUNTED 20%. \$2.50, \$3.00, up. Eggs; best stock, no pen \$3.00, 200-\$15, case \$22.50. Prepaid, guaranteed. Chas. Blackwelder, Isabel, Kan.

WHITE ROCK HATCHING EGGS. RANGE hens mated to mature cockerels, \$2 per fifteen, \$10 per hundred postpaid. Pen \$5 per 15. Infertile eggs replaced free. Cockerels \$5. Mrs. Gracie M. Cooper, Carbondale, Kan.

WHITE PLYMOUTH ROCK HATCHING eggs and Baby Chicks from production bred hens with trapped records (some official) from 175 to 253, mated to pedigreed males with dam records to 231. Eggs, \$8.00-100. Chicks, \$20.00-100. Ethel Brazelton, Troy, Kan.

**WHITE ROCKS**

WHITE ROCK COCKERELS FISHEL strain, three dollars; eggs, five dollars per hundred. Ernest Borchardt, Leavenworth, Kan., Route 2.

WHITE ROCK CHICKS, BEST QUALITY, prolific layers, guaranteed alive, prepaid delivery. Fifteen dollars per hundred. Baker Hatchery, Abilene, Kan.

**WHITE ROCK—EGGS**

WHITE ROCK EGGS, \$4.00-100, PREPAID. Mrs. Frank Cerny, Narka, Kan.

WHITE ROCK EGGS, STATE CERTIFIED Class A, \$6.00-100. Cockerels with dam records to 246. H. S. Blankley, Council Grove, Kan.

WHITE ROCKS, BRED EXCLUSIVELY twelve years, egg and exhibition qualities combined. Hatching eggs, \$2.00, fifteen; \$9.00 hundred, Chicks \$18.00 hundred. Guaranteed. Albert Helt, Parsons, Kan.

**RHODE ISLAND REDS**

HATCHING EGGS FROM R. C. RHODE Island Reds. Trapped stock. Mrs. John Cornick, Anthony, Kan.

ROSE COMB REDS, ENGLISH LEGHORNS. Eggs, Chicks Good as the best. Catalog. Elmwood Farm, Wilsey, Kan.

ROSE COMB REDS, COCKS AND COCKERELS, \$2.00 each; Eggs \$6.00 hundred. Mrs. Ralph Scott, Burlington, Kan.

CLASSY, DARK, GRADE "A" SINGLE Comb Red cockerels, blood tested, \$5.00. Earl Hollingsworth, Emporia, Kan.

RHODE ISLAND RED CHICKS, HEAVY layers, \$13.00-100. Prepaid. Guaranteed alive. Young's Hatchery, Wakefield, Kan.

EGGS FROM MAUD SMITH'S 300 EGG strain Rose Comb. Cod liver oil fed. \$7.50 hundred. Chicks 20c. Ernest Powell, Alden, Kan.

PURE BRED LARGE TYPE DARK RED Single Comb Cockerels, from select pen stock, \$3.00, \$5.00. Mrs. Gust Allen, Maplehill, Kan.

S. C. RED COCKERELS FROM CERTIFIED pen, \$4.00 and \$5.00. Choice pen eggs \$2.50-15. Lillian Fisher, 513 South High, Pratt, Kan.

RHODE ISLAND RED CHICKS, BEST quality, prolific layers, guaranteed alive, prepaid delivery. Fifteen dollars per hundred. Baker Hatchery, Abilene, Kan.

PURE BRED ROSE COMB REDS; LARGE, dark, even red, winter layers. Eggs 15-\$1.00, 100-\$5.50. Chicks 15c. Postpaid. Guaranteed. Everett Shuler, Moscow, Kan.

SPECIAL INTRODUCTORY OFFER: Harrison's Non-sitting, exhibition egg strain Reds, Stock, Eggs, Chicks, Breeders' guide free. Harrison Red Farm, College View, Nebr.

KANSAS STATE ACCREDITED "A" Grade S. C. R. I. Reds. Bigger and better than ever, eggs same price, \$7.50 per 100, \$4.00 per fifty, F. O. B. Lyons. Charles Plank, Lyons, Kan.

PURE BRED ROSE AND SINGLE COMB Rhode Island Reds. Pen eggs \$10 per hundred, infertiles replaced. Quality Baby Chicks \$20 per hundred. Fifteen consecutive years success at big shows. Marshall's, LaCygne, Kan.

BEST QUALITY ROSE COMB REDS. STATE certified Class "A", six successive years. Pens trapped continuously. High production, exhibition and non-sitting qualities combined. Write for mating and sales list on eggs and cockerels. Satisfaction guaranteed. Mrs. James Gammell, Council Grove, Kan.

R. C. AND S. C. RHODE ISLAND RED Chicks from Peters-Certified Flocks perfected in egg-laying and health. Sold on tested egg-production standards. Early maturing money-makers. These chicks are sent with a genuine guarantee to live covering the first two weeks—for your protection. Prices very reasonable. Get our free catalog which contains many reports from customers, also our poultry specialist's valuable book, "A Money-Making System of Poultry Breeding." Address Peters-Farm, Box 453, Newton, Iowa.

**RHODE ISLAND RED—EGGS**

RHODE ISLAND RED EGGS, PURE BRED flock, \$4.00-100. John Weeks, Belvue, Kan.

ACCREDITED OWENS SINGLE COMB Red eggs, \$7 hundred. Frank Miller, Cullison, Kan.

TOMPKINS' DIRECT SINGLE, TYPE, color, production, \$3.00-15. Myra Gaines, Lathrop, Mo.

220-290 EGG STRAIN SINGLE COMB Reds. Eggs \$5.00 per 100. H. C. Dam, Marysville, Kan.

S. C. R. I. REDS, BRED FOR EXHIBITION and production. EGGS \$7.00 per 100. James Sisters, Olathe, Kan.

TRAPPED SINGLE COMB REDS. Eggs \$1.75, \$3.00 per 15. Baby chicks. Agnes Reagan, Pittsburg, Kan.

EGGS FROM NON-SITTING, HEAVY LAYING Rose Comb Reds. Send for mating list. Mrs. W. F. Long, Burrton, Kan.

SIXTEEN YEARS ROSE COMB REDS, Bean Strain. Eggs \$6.50-100; \$1.25-15, prepaid. Mrs. Monie Witsell, Erie, Kan.

WHITE DIARRHEA TESTED, LARGE dark Rose Comb Red eggs, \$5.50-100, postpaid. Mrs. Charles Lewis, Wakefield, Kan.

PURE BRED ROSE COMB REDS, HEAVY layers, good coloring. Eggs \$5.50 postpaid. Nelson Smith, Hutchinson, Kan., Route 5.

PURE ROSE COMB RED EGGS FROM carefully selected range flock; 100-\$6; 50-\$3.50 postpaid. Mrs. Earl Bryan, Emporia, Kan.

SINGLE COMB REDS; EGGS; SPECIAL pens, 200-285 egg type, \$2.00-15; \$10-100; range, \$6.00-100. Mrs. Will Hopwood, Abilene, Kan.

EGGS: ROSE COMB REDS, LARGE BONE, yellow legs, dark even color, extra good layers. \$4.50-100. Guaranteed. John Larkin Lake City, Kan.

EGGS FROM HIGH QUALITY SINGLE Comb Rhode Island Reds, trapped range stock, \$1.00 setting, \$5.00 hundred. Mrs. A. Goebel, Mahaska, Kan.

PURE BRED DARK VELVETY ROSE Comb Rhode Island Reds, 15 eggs \$3.25; 100-\$6.00, postpaid. Mrs. Addie Simmons, Route 1, Manhattan, Kan.

SINGLE COMB REDS, PEN OF EXHIBITION quality Tompkins strain layers headed by cockerels from Harold Tompkins best pens. Culled for size, type, egg-production. Eggs: Pen \$6 hundred, range \$4 hundred. Satisfaction guaranteed. Mrs. George Dodge, Belleville, Kan.

**RHODE ISLAND REDS—EGGS**

TOMPKINS S. C. RHODE ISLAND REDS. Line bred for high egg production, type and color. Guaranteed eggs \$6.00 hundred. John Little Concordia, Kan.

SINGLE COMB R. I. REDS, 231 TO 320 egg lines, reaches back 59 years. Hatching eggs at live and let live prices, 15 eggs \$4.50. W. I. Gorsuch, Route 3, Olathe, Kan.

EGGS: BANBURY'S ROSE COMB REDS. Pen 1—headed by 1st State Show cock. Pen 2—Pure Harold Tompkins and 2nd State Show cock. \$10 per 15. Pen 3—1st State Show pen, eggs \$5 per 15. Range—headed by 1st, 2nd, 3rd State Show cockerels and others, \$10 per 100. Guaranteed. J. C. Banbury, Pratt, Kan.

**RHODE ISLAND WHITES**

RHODE ISLAND WHITE COCKERELS, \$2.00 up. Cora Eagleburger, Garden City, Kan.

PURE ROSE COMB RHODE ISLAND White chicks \$15.00-100, delivered. Lester Beck, Peabody, Kan.

ROSE COMB RHODE ISLAND WHITE cockerels \$3.00; Eggs \$5-100. Mrs. John Luehring, Washington, Kan.

SINGLE COMB RHODE ISLAND WHITES. Cockerels \$2.00, Eggs \$6-100, Chicks \$16-100. Roy Blackwelder, Isabel, Kan.

ROSE COMB RHODE ISLAND WHITE chicks, \$15.00-100. Prepaid. Guaranteed alive. Young's Hatchery, Wakefield, Kan.

**RHODE ISLAND WHITES—EGGS**

ROSE COMB RHODE ISLAND WHITE eggs, \$5-100. Mrs. Will White, Everest, Kan.

DOUBLE COMB RHODE ISLAND WHITE eggs, \$6.00 per hundred. Mrs. Geo. Piper, Mahaska, Kan.

ROSE COMB RHODE ISLAND WHITE eggs, \$6.00 per hundred. Frank Wilds, Mullinville, Kan.

ROSE COMB RHODE ISLAND WHITE eggs, \$5.00-100 prepaid. Mrs. Homer Timmons, Fredonia, Kan.

ROSE COMB RHODE ISLAND WHITES. Eggs, 100-\$6.00, prepaid. Mrs. W. E. Middleton, Kanorado, Kan.

ROSE COMB RHODE ISLAND WHITES, Excelsior strain; eggs \$5.00-100. Mrs. Clem Giger, Allen, Kan.

ROSE COMB RHODE ISLAND WHITE, 3 first prizes Hutchinson, 3 first, 3 second Salina; 3 first, 3 second, Solomon. Eggs \$5.50 hundred. Charley L. Donmyer, Solomon, Kan.

**WYANDOTTES**

PURE BRED WHITE WYANDOTTE COCKERELS, \$3.00. Mrs. H. C. Johnson, Garrison, Kan.

PRIZE COLUMBIAN WYANDOTTE COCKERELS. Special price. Henry Pauls, Hillsboro, Kan.

PURE BRED WHITE WYANDOTTE COCKERELS, \$2.00, \$2.50. Mrs. H. A. Jelinek, Anthony, Kan.

SILVER WYANDOTTES, CHOICE COCKERELS, \$5.00, \$7.50. Eggs. Charles Martin, Fredonia, Kan.

PLOCK'S WHITE WYANDOTTE FARM, Clay Center, Kansas. Cocks and cockerels \$3.00 and \$5.00. Blood tested. 43 years with Wyandottes.

WHITE WYANDOTTE CHICKS, BEST quality, prolific layers, guaranteed alive, prepaid delivery. Fifteen dollars per hundred. Baker Hatchery, Abilene, Kan.

WHITE WYANDOTTES DIRECT FROM Martins-Keelers pedigreed prize winners record layers, 100 eggs \$6.00; cockerels \$2.50; chicks 15c.—H. O. Collins, Fontana, Kan.

REGAL-DORCAS WHITE WYANDOTTES. Federal inspected. Accredited "A" farm flock. None better. Eggs \$10.00 per 100. Mrs. M. A. Smith, Smith Center, Kan., Route 6.

WHITE WYANDOTTES; SKAER'S REGAL Dorcas, stock from John Martin, bred for exhibition and production. Not excelled for beauty, vigor and egg production. They win, lay, pay. Eggs a specialty. Mrs. Will Skaer, Augusta, Kan., Route 2.

REGAL-DORCAS WHITE WYANDOTTES. Trap nesting the year round. Hens with records 160 to 223, \$2.50 to \$3.50. Pullets laying heavy under trap nest, \$2.00. Pedigreed cockerels \$5.00. Every bird tested free from Bacillary White Diarrhoea. R. C. Black, Enterprise, Kan.

WHITE WYANDOTTE CHICKS FROM Peters-Certified Flocks perfected in egg-laying and health. Sold on tested egg-production standards. Early maturing money-makers. These chicks are sent with a genuine guarantee to live covering the first two weeks—for your protection. Prices very reasonable. Get our free catalog which contains many reports from customers, also our poultry specialist's valuable book, "A Money-Making System of Poultry Breeding." Address Peters-Farm, Box 453, Newton, Iowa.

**WYANDOTTES—EGGS**

WHITE WYANDOTTE EGGS, KEELER strain, \$6-100. Joyce E. Olson, Leonardville, Kan.

COLUMBIAN WYANDOTTE EGGS \$1.50 per 15 postpaid. O. C. Sharits, Route M, Newton, Kan.

ROSE COMB BUFF WYANDOTTE EGGS, from pure bred farm flock. J. H. Decker, Moundridge, Kan.

PURE BRED ROSE COMB BUFF WYANDOTTE eggs, culled for laying, \$5-100. Mrs. Paul Schmanke, Alma, Kan.

PURE SILVER WYANDOTTE EGGS \$5-100; Chicks \$20-100. Prize stock. Mrs. Robert Bishop, Atchison, Kan.

WHITE WYANDOTTE EGGS, FROM closely culled flock, \$6 hundred. Cockerels. Sadie Springer, Manhattan, Kan.

EGGS: WHITE WYANDOTTE, MARTIN strain. Prize stock \$3-15, Range \$6-100. Mrs. H. A. Jelinek, Anthony, Kan.

WHITE WYANDOTTE EGGS, FLOCK culled for size, shape, production, \$5-100 prepaid. Sam Eitzen, Hillsboro, Kan.

WHITE WYANDOTTE EGGS, STATE CERTIFIED, prize winning, Martin stock, 100-\$6.00. Mrs. O. Richards, Beverly, Kan.

REGAL DORCAS WHITE WYANDOTTE eggs. From national and state winners. \$2.50 to \$6.00 settings. Jennie Hillbish, Lewis, Kan.

BARRON'S LAYING STRAIN WHITE Wyandottes, 15 eggs, \$1.75; 100-\$7.50, prepaid. Guarantee 60% hatch. H. A. Dressler, Lebo, Kan.

**WYANDOTTES—EGGS**

REGAL DORCAS WHITE WYANDOTTE eggs \$5-100. Mrs. H. Taylor, Alma, Kan.

**TURKEYS**

PURE BRED MAMMOTH BRONZE TOMS, \$15. Effie Bachar, Russell, Kan.

PURE NARRAGANSETT TOMS, \$10.00. Henry T. Dahlquist, Garfield, Kan.

BRONZE GOLDBANK STRAIN TOMS \$17, later hatch \$9. T. Lucas, Franktown, Colo.

PURE NARRAGANSETT TOMS, EXTRA fine, \$10.00. Len Wheeler, Greenleaf, Kan.

MAMMOTH GOLDBANK BRONZE TOMS, \$12.50. R. H. Lindsey, R. 7, Wellington, Kan.

BIG, PURE BRED MAMMOTH BRONZE TOMS, \$10.00. Samson Ranch, Quinter, Kan.

MAMMOTH BRONZE TOMS \$15-\$20. Large vigorous birds Fowler Bros., Russell, Kan., Rt. 3.

HENS, PULLETS, PURE WHITE HOLLAND; also Bronze, \$6.00. H. Specht, Sublette, Kan.

GOLDBANK BRONZE TURKEYS; TOMS, \$12.00, Pullets \$8.00 each. Frank Ayers, Burns, Kan.

PURE BRED BOURBON RED TURKEYS; TOMS \$10; Hens \$8. Mrs. Ralph Pray, Abilene, Kan.

**POULTRY PRODUCTS WANTED**

CAPONS, HENS, OTHER POULTRY wanted. Coops loaned free. The Copes, Topeka.

PIGEONS, CAPONS, OTHER POULTRY, wanted. Coops loaned free. The Copes, Topeka.

PREMIUM PRICES PAID FOR SELECT market eggs and poultry. Get our quotations now. Premium Poultry Products Company, Topeka.

**LIVESTOCK**

**HORSES AND JACKS**

FISTULA HORSES CURED \$5. PAY WHEN well. Chemist, Barnes, Kan.

FOR SALE—PERCHERON STALLIONS and mammoth Jacks. Leo J. Wentz, Burlington, Kan.

FOR SALE REGISTERED PERCHERON stallion and Mammoth Jack. Alex Stueber, Beloit, Kan.

FOR SALE—THREE REGISTERED PERCHERON stallions. Correspondence solicited. W. L. Bailey, Rush Center, Kan.

PAIR LARGE BLACK REGISTERED Percheron mares and their last colts, Carl Tangeman, Rt. 2, Newton, Kan.

FOR SALE OR TRADE FOR LAND OR cattle, one registered Percheron stallion by Carnot. One fifteen hand Jack. Dr. Barr, Hartford, Kan., R. 4.

THREE HIGH GRADE PERCHERON mares, four, five and seven years old. 1800 pounds each. F. J. Bartel, Route 8, Topeka, Kansas.

FEW YOUNG PERCHERON STALLIONS coming 2 year old, weighing from 1500 to 1800; also a pair of weaning fillies. W. E. Dustin, Rt. 1, Topeka, Kan.

SADDLE STALLION FOR SALE OR EXCHANGE. Grandson Rex McDonald, 8 yrs. sound, sure, fearless, 5 gaited. 75 colts two seasons. John Sessler, Uniontown, Kan.

**CATTLE**

REGISTERED AYRSHIRE BULL CALVES, \$40. C. J. Drake, Ruthion, Minn.

FOR GUERNSEY DAIRY HEIFER CALVES, write L. Terwilliger, Wauwatosa, Wis.

REGISTERED HOLSTEIN COWS, SERVICEABLE bulls. Inter-County Farms, Windsor, Missouri.

HOLSTEIN BULL CALVES—30 LB. SIRE well marked, 6 weeks to year old. Westview Farm, Wetmore, Kan.

FOUR HANDSOME HOLSTEIN HEIFER calves and registered bull. First check \$110. Alfakorn Farm, Evansville, Wisconsin.

YOUR BARREN COWS CAN BE MADE "Safe with Calf" or money refunded. Remedy, \$2. Booklet free. Breed-O Remedy Co., Box K, Bristol, Conn.

CONTAGIOUS ABORTION IN CATTLE Stopped—Six years successful record. Danger of contagion positively prevented. Fodder explaining free. Write, Sunnyside Farms, Bucktail, Nebr.

**HOGS**

O. I. C. BOAR PIGS FOUR MONTHS, ALSO S. C. Red Eggs. Peterson and Son, Osage City, Kan.

REGISTERED CHESTER WHITES, FALL boars and gilts; \$25 each; Yearling boars \$50. Bred sows, gilts. Earl Scott, Wilmore, Kan.

CHOICE FALL PIGS, BOARS AND GILTS sired by Golden Sensation Wonder. Price \$20 to \$25. George Hagerman, Ulysses, Kan., Route A.

**Do You Grow Flax?**

The Government has prepared in mimeograph form a limited number of copies of a publication on flax and its uses. The pamphlet contains information on yields, prices, marketing methods, grade standards, and uses of flax and its by-products. Copies may be obtained, so long as the supply lasts, on request to the Bureau of Agricultural Economics, United States Department of Agriculture, Washington, D. C.

**Walker is on Leave**

H. B. Walker, professor of agricultural engineering at the Kansas State Agricultural College, has been granted a year's leave of absence to take charge of a mechanical farm-equipment survey for the United States Department of Agriculture.



### Bananas Keep Mites Off

Having finished my work of poultry inspection in Kansas, I feel obligated, as a state inspector of accredited flocks, to write on this subject. Four years ago, when I completed my work in poultry at the Kansas State Agricultural College, I never visualized this work in the future. I located on a 15-acre tract, The Bellevue Poultry Farm, near Atchison, as a specialized breeder of English White Leghorns, and I am still a Leghorn enthusiast. But recently I accredited nearly 40,000 birds, in five counties.

For folks who are not acquainted with the work, I might say that every bird in the flock to be accredited is handled for standard disqualifications, and egg production. Every bird that passes the test is awarded a metal leg band, to wear for identification. The outstanding disqualifications are side-springs, stubs and down, off colored feathers, ear-lobes or shanks, split-wings, crooked breastbones, undersized birds, and birds showing lack of vigor. After culling specimens of this kind, it leaves a flock for breeding that is worth while. The chicks hatched from eggs of such flocks should start out in the world strong and vigorous. There can be no question about reproduction. "Like begets like," and the sooner poultry breeders get acquainted with the facts of heredity—knowing that these disqualifications tend to breed back—that much sooner will their flocks reach perfection.

These flocks also were culled for egg production. Many flock-owners question how such culling can be accomplished at this season. For an amateur it may seem difficult, but for a professional it is not so hard, for many factors are taken into consideration, while the beginner may think only of measurements of pelvic bones, which can, of course, be more easily detected during the summer months when non-layers show no capacity. A good dairyman can choose a good milker, or cull out a poor one, even though the cow is out of production, by using his score card.

A study of heads is a great asset in judging for egg production. The head of a hen is the index of her body, while the eye is a mirror of her egg organ. A peaked looking head, with dull, sunken eyes, always reflects poor production, while bright eyes and vigorous heads show good producers.

A skilled culler can distinguish quality the instant the fingers touch the body of the bird. Good quality and good production go together.

The science of feeding no doubt has much to do with filling the egg basket, and I feel that many of our poultry friends have not yet fully conceived the modern ideas of raising and feeding their flocks. Most flock owners feed a mash, but one which is often a very incomplete formula. The one thing needful (meat scraps) is left out. Best results cannot be expected unless the rations are balanced. No experienced baker would think of mixing a cake and leave out the baking powder, for the desired results would fail. The practice of feeding also is of importance. A ton of mixed feed put into a ton hopper for 1,000 birds, with only enough feeding space for a dozen birds, would avail nothing, so far as increased egg production is concerned. And yet, I observed a similar condition not long ago. A certain poultry man had 300 birds. Shortly after I began accrediting the flock, I was impressed by finding the birds in poor condition, and asked about mash hoppers. My attention was directed to a wash tub in one corner of the house, with probably 3 inches of mash for the entire flock. I presume a male bird, and possibly a hen, had the pleasure of eating to their hearts' content, but how about the other 299? Hoppers and water fountains should have enough capacity for the whole flock.

Another very common trouble is scaly-leg, caused by a small mite, not a fault of the mite or hen, but the carelessness of the keeper.

There are various means of exterminating insect pests, but I was very much amused by the following method. On entering a poultry house I noticed a banana stem hanging from the loft by a string. My curiosity finally overflowed, and I asked the purpose of this stem. The reply was, "I heard that it would keep away the mites and lice, so I thought I'd try it." At another farm a goat was kept among a flock of a few hundred hens, which

were housed in a rather small building. On investigating I was told the goat was kept with the chickens to prevent colds and cure roup. No theories were advanced in either case. I presume it is supposed to work miraculously.

These persons no doubt meant well, but they were taking things for granted. I am inclined to think that many others are doing the same, perhaps in different ways. For we may listen to the slick-tongued doctor who travels thru the country selling "dope" or be misled by high sounding advertisements which are beyond the boundary limits of human reason. We may be deceived by the fake poultry culler, who comes and takes the best layers, in broad daylight, at market price.

Let us beware and act after earnest thinking and consideration in all our poultry work, being careful to take steps which lead to progress and success.

Atchison, Kan.

### Prefers Day-Old Chicks

We made our first venture into buying baby chicks last year, and it proved so successful that we are using that method again this season. Our first order was delivered January 4, and we now have in two orders, for 3,000 chicks, to be delivered soon. By this system all the trouble involved in caring for incubators is eliminated. And we raise more than 80 per cent of the chicks purchased.

Oswego, Kan. Mrs. W. F. Perkins.

### Real Christmas Money

Mrs. Emma Schroepe of Larned believes in Santa Claus and turkeys. About the middle of December she sold 98 turkeys, which brought her \$666.55.

### Sudan \$62.50 an Acre

W. C. Gutzman of Smith Center had an income of \$62.50 an acre from his Sudan grass crop of last year, mostly from the seed.

### Moisture Conditions Good

(Continued from Page 26)

production. Now is a favorable time to buy linseed oil for painting farm buildings. Hay trade has been slow because of mild winter in the East and the price went off slightly in some markets in February. The only special change in the feed situation is the lower price of linseed.

Prices for hogs were slightly lower at Chicago about the middle of February, followed by a moderate decrease in supplies in the great markets. Other stock held better with heavy steers reaching tops near \$13 at Chicago and fat lambs well above that figure. January holdings of potatoes were reported about one-sixth greater than last season. The quantity reserved for seed is increased and a gain of possibly 13% in acreage in the late potato region is indicated by the reports issued in February. Earliest shipping Southern states have increased acreage greatly, especially Texas, but the second early group may not show much gain judging from reports of present intentions. Prices held near recent declines, which brought various shipping points and the Western markets below \$2 for 100 pounds.

The butter situation is fairly good because of the light supply in storage. Holdings on February 1 were 20 million pounds less than for the season before and only about half of the five-year average. Demand continued active and new receipts, although increasing, were not so heavy as in February, 1926. Nothing in these conditions seemed likely to upset the steady price situation holding above 50 cents for top grades in most markets. Cheese seems to meet rather slow demand and the tendency of prices has been slightly downward, resulting in a drop of from 1 to 2 cents during February. Rather light supplies have held the market fairly well since the decline, and demand has been increasing.

Eggs show the usual spring decline in price, but the drop came later this season and has not been so severe as that of a year ago. The lighter holdings in cold storage are a favorable feature and the receipts still are below those of February 1926. The poultry markets show no particular change. Holdings in storage are about the same as a month ago. Live poultry tends to sell slightly lower.

### Wheat Prospects Are Good

Southwest Kansas' wheat conditions are improving and now run from medium to excellent over the western part of the state. Individual reports indicate the crop now is in a better condition over this section, taking the west half of the state as a whole, than it was at this time last year. In Pawnee county C. F. Ditus states that the condition is good and the prospect very promising at this time. L. C. Jones of Finney county states that he has been farming in Finney county for the last 15 years and never has had a crop failure. Conditions are good there at this time and the prospects good for 1927. At Satanta, which is in Haskell county, the indications now are excellent for another bumper crop. While no heavy moisture has fallen during the winter there is enough to keep the wheat in excellent condition. From Elkhart in Morton county there is a favorable report. Little moisture fell last fall and some of the wheat was late but last week's rain and snow together

## The Real Estate Market Place

RATES—50c an Agate Line  
(undisplayed ads also accepted at 10c a word)

There are five other Copper Publications which reach 1,446,847 Families. All widely used for Real Estate Advertising.  
Write For Rates and Information

### MISCELLANEOUS LANDS

FARMS WANTED. Describe imp., crops raised, nearest markets, etc. State cash price. E. Gross, North Topeka, Kan.

FREE LIST farms, suburban, trades, business chances. Real opportunities. Owners' names. Homeseekers Magazine, 512 E. Ellsworth, Denver, Colorado.

OWN A FARM in Minnesota, Dakota, Montana, Idaho, Washington or Oregon. Crop payment or easy terms. Free literature; mention state. H. W. Byerly, 81 Northern Pacific Bldg., St. Paul, Minnesota.

THE GREAT NORTHERN RAILWAY serves an agricultural empire in Minnesota, North Dakota, Montana, Idaho, Washington and Oregon. Low round trip rates. Send for Free Books describing opportunities. Improved Farms for Rent. E. C. Leedy, Dept. 200, G. N. Ry., St. Paul, Minn.

GOVERNMENT RECLAMATION LANDS Lower Yellowstone Project. 8,000 acres optioned to Government. Exceptionally low priced, 20 years time. Rich valley land adapted to alfalfa, sugar beets, corn, grain, livestock and dairying. Well developed community; sugar factory; good markets; schools and churches. Write for Free Government booklet. H. W. Byerly, 211 Northern Pacific Bldg., St. Paul, Minn.

### ARKANSAS

FREE Ark. Homesteads, 100,000 A. Map 20c. Fruit, poultry, dairying ideal, delightful climate. K. Hitchcock, Gulfport, Miss.

40 ACRES, HOUSE, spring, wood, fruit, team, cow, sow, chickens, furniture. Price \$850. Free list. H. W. Stone, successor to Wilks, Mountain Home, Ark.

### COLORADO

IMPROVED Colorado ranches \$2.75 per acre up. R. Brown, Florence, Colorado.

IF YOU WANT TO TRADE for Colorado write J. Davis, Florence, Colorado.

### KANSAS

LAND BARGAINS. Write for printed list. Jess Kiser, Garden City, Kan.

WHEAT LAND in the new wheat belt. Snaps. E. E. Nelson, Garden City, Kan.

FOR SALE—N. E. Kansas farms, ranches and city property. Melvin Ward, Holton, Kan.

WHAT HAVE YOU—Farms, mds., hdw. or ins. come? Big list free. Bersie Agy, Eldorado, Kan.

BARGAIN—IMPROVED 70 acres 2 1/2 miles good town. \$3,500, \$2,000 cash. J. Stavlund, Onaga, Kan.

160 A. 100 tillable, good improvements. Near paved road, 6 mi. Lawrence & State University. Price \$90. Terms. Hosford Inv. Co., Lawrence, Kan.

### JACKSON COUNTY LAND

I have several very desirable improved farms in this county for sale. From 40 to 160 acres in size and priced to sell by March 1st. No trades. C. L. Myers, Holton, Kan.

HIGHLY IMPROVED 160 acre farm. Electric lights. Main highway. Well watered. Family orchard. 20 alfalfa. Possession. Price \$15,000. \$3,000 will handle. Mansfield Brothers, Ottawa, Kansas.

FERTILE VALLEY FARM—Fruit, well improved, spring and well water, 2 1/2 miles from good town. Farm located on Kansas U. S. 166 Highway. Small payment down will handle. J. C. Fields, Tyro, Kansas.

800 ACRES in sight good Kansas town; 320 growing wheat; no waste; plenty water; 2 sets buildings; forced sale to settle partnership; \$35 per acre; attractive terms. Mansfield Co., 1205 Board of Trade Bldg., Kansas City, Missouri.

640 A. near Garden City, choice, nicely improved, 4 mi. to High School and good trading point, on railroad. 320 A. in wheat, good condition, immediate possession. \$35 A.; terms 1/2 cash, bal. 3 yrs. 5 1/2% annual interest. Geo. W. Finnup, Owner, Garden City, Kan.

FOR SALE—Ideal dairy or stock farm consisting of about 100 acres first bottom cultivated land and 360 acres good blue stem pasture. Improvements consist of fine 8 room stone house, 2 barns and numerous out-buildings. Located 3 miles south of Manhattan, population 10,000, seat of Kansas State Agricultural College with 5,000 students. Price \$27,500. \$10,000 cash will handle. No trades. Chauncey Dewey, Brewster, Kan.

### MISSOURI

TIMBER LAND at \$5 A., near town; more than pay for itself. 594 Mountain View, Mo.

LISTEN: 80 acre fruit and poultry farm. Price \$1,850, terms. Have other farms. List free. Ward, Ava, Missouri.

POULTRY LAND, \$5 down, \$5 monthly, buys 40 acres Southern Mo. Price \$200. Send for list. Box 22 A, Kirkwood, Mo.

240 ACRES—Excellent farm, priced low to sell for spring delivery; easy terms; a farm you can't help but like. Come and see or write Frank Blank, Prairie Home, Mo.

FARM BARGAINS—80 A. up to 200 A. fine grain, hay, grass. Near R. R. direct to K. C., Mo. Fair to modern impr. Cream stations. Cheese factory and condensary. Priced right. Terms to suit. Write W. C. Milligan, Stotesbury, Missouri.

### MISSOURI

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

SOUTHEAST MISSOURI rich, alluvial land. Large and small tracts. Improved farms sacrifice prices, 10% cash, balance like rent. Discount for cash. Cut-over land no cash down, no interest four years, then 33 years 6%. Free map, full information. Good renters wanted who can finance themselves. C. Himmelberger-Harrison, Cape Girardeau, Mo.

9 CHOICE A. cherries, blackberries, grapes, raspberries, etc. Level rich land. 5-rm. house, other bldgs. City water, gas, Skinner sprinkler system; 1 1/2 mi. main street, 2 street car lines within 3 blocks. Academized street (length 2 A.) thru property. Geo. S. Mock, Box 12th Roosevelt Ave., Joplin, Missouri.

### FINE GRAIN, DAIRY OR STOCK FARM

Close to Lamar, Mo. This fine farm consists of 480 acres of deep black loam bottom land, about 160 A. blue grass pasture, 60 A. timber along creek. Balance corn, timothy, wheat, etc. 1 1/2 mi. Lamar, county seat, pop. 2,500. On hard surface road. Every acre tillable. 8-rm. brick house, good large barn, other bldgs. This carries a loan, Government plan of \$16,000 with 27 years to run. Will sacrifice at \$50 acre, small down payment. Why rent? Address Owner, Harry Shekin, 903 Commerce Bldg., Kansas City, Mo.

### FINE STOCK OR GRAIN FARM

Close to Kansas City, Mo.—consists of 720 acres, 400 blue grass pasture, balance corn, wheat, alfalfa, clover. 6-rm. house, 4 large barns, 2 hollow tile hog houses. Mostly fenced and cross-fenced hog-tight, 1 mi. town, 3,000 pop. 40 mi. Kansas City, on paved road. Ideal for handling cattle, sheep or hogs, also dairy. Close to the big city markets. Small down payment will handle, balance 28 years time on the government plan. Might trade for Central or Western Kansas land. Address Frank Carter, Owner, Clinton, Missouri.

### MINNESOTA

FREE MAP OF MINNESOTA and facts about the Sure-Crop State. Address State Immigration Dept., 641 State Capitol, St. Paul, Minnesota.

### NEBRASKA

1,000 ACRES of farming and grazing land, all fenced and improved. Good water and timber, 3/4 mile to school and 3 1/2 miles to R. R. town. Otto Tietze, Harrison, Nebraska.

### OKLAHOMA

100 ACRE FARM, good land, near oil field. Wonderful chance for oil. Leaving country and must sell. S. L. Langley, Overbrook, Okla.

### OREGON

2000 MIDDLE WEST FARMERS moved to Oregon in last two years, after thorough investigation. They like our mild winters, cool summers, with no severe storms to ruin a season's work and destroy property. Fine roads and schools, productive soil, good markets for your products. Write for official bulletins and illustrated facts. Booklet free. Land Settlement Department, Oregon State Chamber of Commerce, 260 Oregon Building, Portland, Oregon.

### TEXAS

IN FAMOUS WINTER GARDEN DISTRICT We own and have for sale both improved (cleared and irrigated) and raw lands, choicest citrus and winter vegetable lands in Texas. Wonderful climate, rich soil, cheap water. We grow about 300 cars winter vegetables yearly ourselves. Know soils, water districts and production methods. Get our advice and counsel, whether you buy from us or not. Correspondence and inspection invited. Box E. WROE FARM COMPANY, Asherton, Texas.

### WYOMING

FOR SALE—Improved well located farm, cheap. J. M. Mason, Rockport, Mo.

### SALE OR EXCHANGE

BARGAINS—East Kan., West Mo. Farms—Sale or exchg. Sewell Land Co., Garnett, Kan. LEVEL IMP. 160 A. CLEAR. Leasable land adjoins. Terms or trade. \$4,000. Send for plat. Box 395, Garden City, Kan.

### INCOME \$4590.00

Solid brick 8 apartment. Each apartment 6 rooms. Boulevard location, close to downtown business center. Trade for farm. Also have other properties. R. P. Vernon, 200 Grand Ave., Temple Bldg., K. C., Mo.

### REAL ESTATE WANTED

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

er with other small moisture spells of the winter have brought the wheat up in good condition.

Meade county reports a more flattering condition than a bit farther west. Here a heavy snow fell during the winter and some good rains came during the fall that placed the wheat in fine condition. The north part of that county received more moisture than of the southern part and is showing up better. L. M. Pope, well known over Southwest Kansas has just made an exhaustive survey of wheat conditions in Southwest Kansas. He states that from Garden City and Sublette west that wheat is all sprouted and coming up in good condition and there is little or no chance for any large acreage being listed up as the small rains have kept it alive.

From Pratt running a radius of 100 miles in every direction the wheat conditions

never were more favorable, states J. E. Hardesty, well known wheat raiser.

A message from Ulysses in Grant county reports that the wheat prospects have advanced wonderfully with warm weather following the moisture.

No fly damage is being reported from any section of the state so far and many close examinations have been made for this pest.

In Wallace county the irrigation of many farms now is being done.

George Crippen has installed an irrigation plant for his 560 acres and is pumping water from the underflow of the south fork of the Smoky Hill river. Many other land owners are installing like irrigation plants with the result this year promises big returns in the way of crops.

The pumping is done from a large source of water only 18 feet below the surface.



# Shorthorn Section

**HUMBOLDT VALLEY STOCK FARM**  
Two bulls, 17 months old. Pure Scotch, Tomson breeding and extra good. Priced reasonable. 12 bull calves, Scotch and Scotch Topped.  
A. E. Brown, Dwight, Kan., Morris Co.

**W. A. BLOOMER & SONS**  
A herd of largely Scotch cattle. We offer bulls of serviceable ages, cows and heifers bred or open. Write for prices. Address as above.  
Bellair, Kansas, Smith Co.

**DALE'S SHORTHORN FARM**  
Mating our great sire Orange Cumberland with daughters of Emblem Jr. Annual sale May 4th next.  
E. S. Dale & Sons, Protection, Kan.

**CANNON BALL SHORTHORNS**  
British Villager 982104, son of Imp. British Emblem in service. Cows of Scotch breeding. Young bulls and heifers for sale. Visitors welcome.  
Asendorf Bros., Garden Plain, Kansas

**Homer Creek Stock Farm**  
SHORTHORNS. Headed by SCOTTISH GLOSTER. Stock for sale.  
Claude Lovett, Neal, Kan., Greenwood Co.

**Spring Creek Shorthorns**  
10 cows and heifers for sale, some bred. Also young bulls. Good individuals and richly bred.  
H. G. BROOKOVER, EUREKA, KANSAS

**Bapton Marauder**  
is our herd bull. We have a small herd of nicely bred Scotch cows. Young Scotch bulls and a few heifers are for sale at reasonable prices.  
J. C. SEYB, PRETTY PRAIRIE, KANSAS

**Alfalfa Leaf Shorthorns**  
herd established thirty years. DIVIDE MAGNET the 1924 Denver Jr. Champion in service. Stock always for sale.  
JOHN REGIER, WHITEWATER, KANSAS

**EASTLAWN SHORTHORNS**  
All Scotch herd. 2 good roan bulls for sale. 1 sired by Scottish Sultan by Sultan Supreme, one by Collynie Joffre, out of Lavender dam. An extra heavy milker.  
H. O. PECK & SON, WELLINGTON, KANSAS

**HILLCREST SHORTHORNS**  
headed by Looky Acres Sultan, great son of Fair Acres Sultan. Assisted by son of Radium. Cows of best Scotch breeding. Stock for sale.  
Fremont Ledy, Leon, Kansas

**Calvary Creek Shorthorns**  
Golden Crown 2nd, son of Marshall's Crown in service. Cows mostly Scotch, heavy milking families. Annual sale May 4th next.  
BEN H. BIRD, PROTECTION, KAN.

**Young Shorthorn Bulls**  
Bred for both beef and milk. Herd established fifteen years. Reasonable prices.  
W. J. HALLORAN, CASTLETON, KAN.

**Blocky Bull Calves**  
sired by Bapton Sultan, the great son of Imp. Bapton Dramatist, out of Scotch dams.  
L. R. ANDREWS & SON, Harper, Kansas

**Winchester Stock Farm**  
Shorthorns that produce beef and milk. Grandson of Marshall's Crown in service. Bulls for sale.  
B. E. WINCHESTER, STAFFORD, KAN.

**BULLS—BULLS—BULLS**  
for farmers and breeders. By Cumberland Knight and Radium Stamp. Nice roans.  
S. M. KNOX, HUMBOLDT, KANSAS

**2 Outstanding Young Bulls**  
Best of Scotch breeding, a Lavender and a Clara. Dams are real dual purpose cows. Priced reasonable.  
FRED ABILDGAARD, Rt. 6, Winfield, Ks.

**Sultan Jubilee**  
heads our Polled Shorthorn herd. His dam has produced five first prize calves and is a heavy milker. His calves are promising.  
McILRATH BROS., KINGMAN, KANSAS

**IMPORTED BAPTON DRAMATIST**  
heads our Scotch Shorthorns. Choice young bull and females of different ages for sale.  
D. Wolschlegel, Harper, Kan.

**PROSPECT PARK SHORTHORNS**  
20 head of choice young bulls from 9 to 15 months old, of excellent type and quality. Scotch and Scotch Topped breeding.  
J. H. Taylor & Son, Chapman, Kan., Dickinson Co.

**SPRING CREEK SHORTHORNS**  
We breed for milk as well as beef. Herd headed by Prince Collynie and a Flintstone bull. Young Mary cows deep milkers and regular breeders.  
Thos. Murphy & Sons, Corbin, (Sumner Co.), Kansas.

**Retnuh Farm Shorthorns**  
Bulls—Red, white or roan, 2 weeks to 10 mos. \$50 to \$100. Sired by grandson of Villager. From dual purpose Bates and English foundation. Plenty of milk with beef conformation.  
WARREN HUNTER, GENESEO, KANSAS

**DeGeer's Utility Shorthorns**  
Bred for beef and milk. Headed by Max-hall Jealousy 1110723. Assisted by Rosario 1374890, by Divide Magnet, and out of a granddaughter of Rodney. Stock for sale.  
V. E. DEGEER, LAKE CITY, KANSAS

**HERD BULLS**  
Best of blood. See our cattle before buying your next herd sire. Federally accredited. Prices reasonable.

**Elmdale Stock Farm**  
A. E. Johnson, Owner  
Greensburg, Kansas

**CREEKSIDE SHORTHORN FARM**  
Choice young bulls and heifers for sale. Sired by Village Guard, son of Village Marshall. Also some bred cows and heifers.  
E. H. Abraham & Son, Emporia, Kansas

**MATURE HERD BULL**  
Albertas Sultan, splendid breeder frame for a ton. Scotch breeding. Keeping his heifers. Priced reasonable.  
ARTHUR WATTS, Yates Center, Kansas.

**Neelands Ranch**  
G. D. Hammond, St. John, Kan.

**MILKING SHORTHORNS**  
**CHOICE BULL CALVES**  
By Kansas Duke 1054173. Dam, Fannie B., a 1700 pound cow that milked 55 pounds, equivalent to 11,000 pounds a year. Out of a double Mary Cow.  
BEADLESTON & GAGE, EUDORA, KAN.

**HEATON'S MILKING SHORTHORNS**  
Strong in Glenside Blood. Heavy milking ancestry. Bull calves to ten months, sired by Glen Oxford and Ireby Emperor. Females all ages. MR. and MRS. W. K. HEATON, Kinsley, Kan., Nettleton Route.

**POLLED SHORTHORNS**  
**NEBRASKA POLLED SHORTHORNS**  
Sultan breeding. A few young males and plenty of females.  
A. J. Russell & Co.,  
Crab Orchard, (Johnson Co.), Neb.

**POLLED SHORTHORN BULLS**  
for sale; also 40 bred Shropshire and Hampshire ewes; Spotted Polands either sex.  
A. S. ALEXANDER, Burlington, Kansas

**White Goods**  
Pure Scotch. Has sired more R. M. cows than any other Scotch bull in America.  
W. C. Williams, Coldwater, Kan., Coy Rt.

**Cedar Knoll Stock Farm**  
Polled Shorthorn breeding stock for sale, either sex. Some choice young bulls.  
R. H. HANSON, JAMESTOWN, KAN.

**SULTAN BRED POLLS**  
for beef and milk. Young bulls for sale sired by grandson of True Sultan. Jr. sire son of Dales Special.  
ROSENBERGER & COOK, GREENSBURG, KAN.

**Quality Polled Shorthorns**  
Grandsons of Imported \$5000 and \$8000 bulls. Blood, quality, Beef, Milk and Butter. A nice pair of calves \$125, yearlings \$160. Three delivered within the state. 1/2 price for first calf. Nearly 200 in herd. Reds, whites and roans. Bulls \$60 to \$200.  
J. C. Banbury & Sons, Pratt, Kan.

# Teaching a Calf to Drink

Of all the jobs on the farm, teaching a calf to drink milk stands out in my memory as one of the most unpleasant ones a farm boy in those old days "fell heir to."

It was a two-man, or a two-boy job. I held the calf, or tried to, while my brother held the bucket and tried to coax the calf to stick its innocent face into that deep, dark vessel. When we finally thought we had succeeded and were resting from the round with the beast, up would come that same innocent face snorting and blowing milk like an active volcano, and shooting in two directions. Then we would begin all over again with the coaxing and wrestling.

In those days that was the only way we knew of teaching a calf to drink. As we grew older we learned of a better and saner, altho less active, method, of starting a calf on a bucket diet. Here is what we believe is the best method—at any rate we have used it satisfactorily for years on scores of calves. Starve the calf for 24 hours after it has been taken from the cow. The calf will then begin to drink as soon as its nose feels the warm milk in the bucket. With calves that are slow to drink it may be necessary at the first bucket meal or two to lead the calf's nose to the milk with your fingers in its mouth, but if it has been starved for 24 hours it will continue drinking after the fingers are removed.

When a dairy cow freshens we prefer to let the calf do its own milking for the first few days. The calf is allowed to suck three times a day, after first removing sufficient milk by hand from the udder so there will be no danger of the calf getting too much. For several days after freshening it is sometimes difficult to draw the milk by hand on account of the enlarged condition of the udder and the shortening of the teats. Generally it is only one or two teats that are thus tempor-

# SOLD ALL SURPLUS STOCK

Farmers Mail & Breeze, Topeka, Kan.

Gentlemen: Having sold all of my surplus stock, you may stop my ad in Duroc section in your paper. This ad has proven a good investment for me and I will use more of it later.

I have had a great many inquiries from Kansas, Colorado and other states.—Sincerely yours, Charles Stuckman.

arily shortened, and by letting the calf get part or all of the milk from such teats much time and temper are saved.

Some farmers object to letting the calf suck longer than for one day after birth, because if the calf once gets the sucking habit started good it will be difficult to teach it to drink from a bucket. However, if starved for 24 hours it will be easy to teach it to drink even if it has sucked for several days.  
C. O. Levine.

Waterville, Kan.

# Pigs Gained Every Day

How much feed does it take to make 100 pounds of pork? Depending upon the ration, stockmen probably would answer that from 5 to 15 bushels of corn are required. But let records speak for themselves, says J. W. Farmer, farm agent of Greenwood county. Farmer reports that Joe Blecha of Severy kept a record of the cost of raising five litters of pigs last spring. Figures were kept from the time the sows were bred until the pigs were marketed. A total of 6,983 pounds of pork was produced at a cost of \$508.87. The profit on the five litters amounted to \$380.04.

Mr. Blecha produced these pigs at a very low cost, according to the county agent. Good brood sows and a good boar were used. The sows had plenty of water and exercise and a balanced ration. Before the pigs came the farrowing pens were cleaned, and then scalded with boiling lye water to kill roundworm eggs. Thirty-five out of the 40 March and April farrowed pigs were raised, and sold in September, weighing an average of 212 pounds.

The pigs were kept in dry clean quarters until they were 8 weeks old. They were then put on alfalfa pasture

# Ayrshire Section

**Henderson's Dairy King**  
the greatest sire in the West heads our herd. Our mature cows have records. Some A. R. records. Stock for sale. Federal accredited.  
R. E. BANKS, Larned, Kansas

**Ayrshire Bull Calves For Sale.** Herd aver. 1088 lbs. milk, 43.8 lbs. fat C. T. A. Sire Penhurst Keystone Mischief 30166. 5 nearest dams aver. 1327 lbs. milk, 74.4 lbs. fat. Some sired by Oaklodge King 2050 lb. bull. G. J. Bahnmaier, Lecompton, Kan.

**Woodhull Ayrshire Farm**  
We are offering the Junior Ch. bull at the Louisiana State Fair. He is practically all white, old enuf for service. A real bargain.  
A. B. Williams & Sons, Darlow, Ks.

**Big Kate's Dairy King**  
heads our Ayrshire herd. Cows of equal breeding and individuality. Bull calves for sale.  
JONES BROS., PENALOSA, KANSAS

**Nordaryr Dairy Farm**  
Reg. Ayrshires headed by Dairy Finlston Armour in service. Young bulls for sale.  
O. M. NORBY, PRATT, KANSAS

**Our Ayrshires**  
their sisters, dams and granddams have 35 records that average 1599 milk and 625 fat. Our bull's granddam and great granddam have an average production of 24175 milk and 1068 butter. Our foundation cattle came from John Linn & Sons, K. S. A. C. and University of West Virginia.  
J. F. WALZ & SONS, HAYS, KANSAS

**WE OFFER FOR SALE**  
Linddale Lassie's Champion B. 8, 30-26. Backed by 2 world record producers, 4 state champions, 4 French cup winners, 60 advanced reg cows.  
T. J. Charles, Republic, Kan., Republic Co.

**AYRSHIRE COWS**  
Herd sire, Penhurst Prince Albert No. 31223. Breeding for production. Cows to freshen soon for sale.  
A. G. BAHNMAIER, Rt. 1, Topeka, Kan.

**FAIRFIELD FARM AYRSHIRES**  
A few outstanding bull calves for sale from high producing cows.  
DAVID G. PAGE, TOPEKA, KANSAS

# Auctioneer Section

**J. B. Heinen, Beloit, Kan.**  
Livestock, Real Estate or big farm sales. Write or wire for dates.

**Will Myers, Beloit, Kan.**  
solicits the pure bred livestock and real estate sales of Northwest Kansas. Write or phone for dates.

**Floyd W. Gift**  
Wellington, Kan., Rural Tel. 69  
Satisfaction guaranteed.

**Frank C. Mills**  
AUCTIONEER  
Alden (Rice Co.), Kansas.

**ART McANARNEY**  
Pratt, Kansas.  
Live stock and farm sales auctioneer.  
313 North Main St.

**BILL GAUSE**  
Live stock and general farm sales auctioneer.  
Haviland, Kansas.

# Auction in Colorado

**The Hayden Properties**  
To settle an estate 30,000 acres, 1,100 Purebred and Grade Hereford Cattle, 100 Work Horses and Brood Mares, Sheep, Hogs and Farm Equipment.

**LONGMONT, MARCH 8**  
**DENVER, MARCH 9**  
**PUEBLO, MARCH 10**  
**FT. COLLINS, MARCH 12**

The seven ranches near Longmont, Denver and Pueblo, are now completely equipped and in operation.  
Real homes, good barns, silos and corrals. Extensive irrigation on each ranch, producing alfalfa, corn, sugar beets and bounteous crops of small grains.  
The Ft. Collins property consists of 16,000 acres near the Wellington oil field and is adapted to sheep grazing.

The chance of a lifetime to buy small or large Colorado ranches.  
**TERMS**—Personal Property, Cash Land 25% cash; 5% in 1 year, 5% in 2 years, 5% in 3 years, 5% in 4 years, 55% in 5 years, 6% ANNUAL INTEREST on all deferred payments, 10% Discount for Cash on Deferred Payments.  
Ask for illustrated catalogue, addressing

**DAVIS & WALLBANK**  
714 Equitable Building, Denver, Colo.  
or  
**P. M. GROSS AUCTION CO.**  
404 Victor Building, Kansas City, Mo.  
Every auction personally conducted by Col. P. M. Gross, and sales staff.

**HAMPSHIRE HOGS**  
**White Way Hampshires**  
On Approval  
Choice fall boars and gilts, sired by champion boars. Special prices on trios for quick sale.  
F. B. Wempe, Frankfort, Kan.

# Poland China Section

**Big Poland Boars**  
for sale, sired by Black Seal. Also choice gilts bred to Villager 2nd.  
O. G. SMITH,  
Colony, Kan., Anderson Co.

**BRED GILTS FOR SALE**  
sired by a 1,000 lb. grandson of Cooks Liberty Bond, and bred to Kansas Monarch 3d. Grandson of the world's Champ, Monarch.  
M. F. Rickert, Seward, Kansas

**The Financier**  
First prize senior yearling boar of Kansas 1926 heads my herd. Boars and gilts by this sire for sale.  
Chas. J. Holtwick, Valencia, Kan.

**Henry's Big Type Polands**  
Bred and open gilts and fall pigs. Best blood lines, choice individuals.  
John D. Henry, Lecompton, Ks., Douglas Co.

**BRED SOWS.** Few tried sows bred for Feb. Fall pigs either sex, weighing up to 150 lbs., sired by Dundale Giant, Regulator and The Cake Eater Jr. Champ. American Royal last year. Few by Donquixote.  
S. U. PEACE, OLATHE, KAN.

**Tried Sows and Gilts**  
A few open gilts and tried sows. Will book orders for fall pigs at weaning time, either sex, sired by Mc's Big Orange.  
GEO. MORTON, OXFORD, KANSAS

**November and December Pigs**  
Sired by Sharpnel, the undefeated boar of Dickinson county, 1925-1926. Double immuned. \$18 each. Crated.  
F. O. B. Hope, G. E. SCHLESNER, Hope, Kan.

**CHOICE FALL PIGS**  
sired by the 1000 lb. Golden Rain-bow and Standard Giant. Out of tried sows. Immuned and guaranteed to please.  
C. E. Hoiland & Sons,  
McPherson, Kan.

**20 Big Spring Boars**  
for sale, sired by Paymaster Chief. Out of Big Timm and Ciansman sows. Inspection invited.  
J. C. MARTIN, WELDA, KAN.

**Choice Bred Gilts for Sale**  
sired by New Era Jr. and Flashlight's Leader. Bred to Morton's Redeemer, a splendid son of Redeemer. Prices reasonable.  
J. T. MORTON & SONS, Stockton, Kansas


**Bred Sow Sale Feb. 25, 1927**  
Mostly bred to Sundial Senior and Grand Champion of Kansas National 1926. Sows King Kole and Pleasant Hill Giant blood. Write for catalog.  
F. E. WITTUM, Caldwell, Kan.

**BRED SOWS AND GILTS**  
at private sale bred to two of the best boars of the breed. Immunized and guaranteed to please you. Write for descriptions and prices.  
C. R. Howe, Scranton, Kansas



HOLSTEIN CATTLE

**HOLSTEINS for Profit**



Holsteins are profitable because they lead in milk and butterfat production, calve regularly, adapt themselves quickly to all climates and fit profitably into the farming program.

Write for literature

**The HOLSTEIN-FRIESIAN Association of America**  
230 East Ohio Street Chicago, Illinois

GUERNSEY CATTLE

**Hector of Elm Ledge 126052**

For sale. Born April 9, 1925. Well grown, straight and nicely marked. He is a grandson of Lone Pine Mollie (Cowan 840 lbs. fat). Guy E. Welcott, Lawton, Kan.

SHORTHORN CATTLE

**Shorthorn Herd Bull Victor**

For sale, also some choice young bulls for his sire. Write for prices.

W. F. BLEAM & SONS, Bloomington, Kansas

POLLED SHORTHORN CATTLE

**Bird's Polled Shorthorns**

Polled Shorthorn yearling bulls and heifers of quality. Sired by Marengo, Grandson of Marauder. HARRY BIRD, ALBERT KAN.

DUROC HOGS

**EARL E. NORMAN'S SALE**

**Duroc Bred Sows and Gilts**

sale at the farm, near Chapman, Kan., Tuesday, March 3

About 35 head, 25 of them spring gilts. All by High Giant Sensation, Critic's Pal and Sensation King. Also a few by Unceada Top Scissors. Practically all bred to Unceada Top Scissors, second in Junior yearling class, Topeka, 1926. A few good boars at private sale. Write for sale catalog to

**E. E. NORMAN, CHAPMAN, KAN.**  
Aucts.: Jas. T. McCulloch, Ross Scholiss

**Fall and Big Spring Gilts**

By Walmeyer's Giant and Major Stills, bred to the champion bred Giant W. R. S. Leader for March and April farrow. Also fall boars. Registered. Immunized. Satisfaction or money back.

**W. R. HUSTON, AMERICUS, KAN.**

**SPOTTED POLAND CHINA HOGS**

**SPOTTED POLAND BRED GILTS**

Bred to Kansas Sunbeam, son of 1926 World's Champion. Priced right.

Robert Freemyer, Menlo, Kan.

**Spotted Poland Sows**

Bred to son and grandson of World Champions. Fall boars and gilts. Priced reasonable.

**LEWIS HUDDLE, SELDEN, KANSAS**

**Registry—Merit Gilts**

Manufacturers of THE MILLIONAIRE bred to champions. Popular prices. Some among fall boars. Write for descriptions. CRABILL & SON, CAWKER CITY, KAN.

**Meyer's Spotted Polands**

Handsome spotted boars, various sizes, good gilts, bred to sons of Giant Sunbeam and Big Munn.

**WM. MEYER, FARLINGTON, KANSAS**

**CHESTER WHITE HOGS**

**Chester White Gilts**

Bred for Mar. April, May. Large litters, prize winning blood. Price \$10, \$20 and \$30. Shipped C.O.D. Also bred sows to loan on shares.

Alpha Wilmers, Diller, Nebr.

**Goodpasture's Chester Whites**

A few bred sows for private sale. Write for description and prices.

**M. R. GOODPASTURE, HORTON, KAN.**

**O.I.C. HOGS on time**

Write for Hog Book

Originators and most extensive breeders.

**THE L. B. SILVER CO., Box 15, Salem, Ohio**

**Rate for Display Livestock Advertising**

\$7.00 per single column inch each insertion.

Minimum charge per insertion in Livestock Display Advertising columns \$2.50.

Change of copy as desired.

**LIVESTOCK DEPARTMENT**  
Capper Farm Press, Topeka, Kansas

and had access to a corn and tankage self-feeder.

Feed for the pigs, including that given to the sows from farrowing to weaning time, amounted to 374 bushels of corn, 17 sacks of shorts, 7 sacks of tankage, 2 gallons of skim milk a day for two months, and alfalfa pasture.

**LIVESTOCK NEWS**

By J. W. Johnson  
Capper Farm Press, Topeka, Kan.



Theo. Jagels's public sale of registered Shorthorn cattle and Spotted Poland China hogs at his farm near Hepler, Feb. 25 is next Friday. The sale will be held at the farm.

John Hund, Paxico, sells registered Jacks and Jennets and Percherons at Alma, Kan. in the sale pavilion there, Monday, March 7. It is a dispersal sale, everything listed will sell and the sale will be held in a nice warm sale pavilion, rain or shine.


The new officers of the Kansas Aberdeen Angus Association elected for the ensuing year are: William Ljungdahl, Manhattan, Kan., president; Fred Chilene, Miltonvale, Kan., vice-president; D. L. McIntosh, Manhattan, Kan., Secretary-treasurer; A. J. Schuler, Chapman, Kan., and Johnson Workman, Russell, Kan., executive committee.

Earl Lugenbeel of Padonia, Kansas, writes that he had a very satisfactory sale of Chester White hogs Feb. 3 and that he did not have near enough hogs to supply the prospective buyers in attendance. The 23 head sold averaged \$120 per head. Wm. Barr of Corydon, Iowa, bought the top priced animal in the sale at \$400. R. E. Williams of Iowa City, Iowa, bought the second top at \$355. A large number of bidders were present from Kansas, Nebraska and Iowa.

Poultry breeders over the state are co-operating more and more every year with the poultry department at the agricultural college and the improvement in flocks over the state is surprising. Miss Patience Amcoats, Clay Center, owns a nice flock of pure bred Barred Rocks that has been certified for three years and won Class A, and again in 1927 is Class A certified by the agricultural college. The flock is headed by cockerels from trap nested hens with records from 225 to 289 eggs per hen. In 1926 Miss Amcoats' flock which is a range flock averaged 163 eggs and the little chicks were all mothered by hens from the flock.

**LIVESTOCK NEWS**

By Jesse E. Johnson  
463 West 9th St., Wichita, Kan.



W. T. McBride, the veteran Duroc breeder of Parker, Kan., had a very fine offering in his Duroc sow sale Feb. 10. The average for the entire offering was \$65 with a top of \$85. Nothing sold below \$50.

More than 75 interested boys and pig club sponsors attended a meeting held at Pratt recently. Dale Konkle, C. H. Stinson and John Hardesty were selected as a buying committee. Figures were presented at this meeting showing that there are only one and one fourth hogs to every 100 acres of land in Pratt county.

The buying committee of the Kingman Pig Club, in Kingman, have been busy for several weeks buying pigs to distribute among the club members. The leading sales of the territory have been attended and a good many have been purchased at private treaty. Several weeks ago over 50 head had been placed and the buying is still in progress.

February 14 was open house day on the G. M. Shepherd farm at Lyons, Kan. Mr. Shepherd's neighbors and farmers from his own and adjoining counties and breeders from a distance wiped their shoes on gunny sacks and crowded into Mrs. Shepherd's kitchen and overflowed the rest of the house without ceremony, and partook of the big free lunch. Everyone present knew Mr. Shepherd well enough to call him "Shep" for he has been holding and attending sales of this kind for 20 years. The offering of Durocs was probably the best, everything considered ever offered by this breeder. A man of character had bred and developed them and the kind of men who appreciate the best were seated at the ringside so there was a ring of more than ordinary earnestness in Boyd Newcom's opening talk. The entire offering averaged a trifle over \$80, not counting a couple sold that were not safe in pig. E. G. Hoover, president of the Kansas Duroc association, made a talk at the beginning of the sale. Stants Bros., Abilene, owners of the grand Champion King of All Pathmasters, bought the top sow paying \$175 for No. 1 in the catalog. Mrs. Perry of Oklahoma, bought the only one that left the state. E. G. Hoover, Leo Breeden, of Great Bend; Dewitt Craft, Garden City; L. P. Warner, Liberal and Helen-dale Ranch, Gove county were distant buyers.

**Public Sales of Livestock**

**Shorthorn Cattle**  
Feb. 28—A. O. Stanley, Sheridan, Mo.  
March 1-2—The Central Shorthorn Breeders' sale, Kansas City, Mo.  
May 4—E. S. Dale & Sons and Ben H. Bird, Protection, Kan.

**Holstein Cattle**  
March 3—E. L. Capps, Liberty, Mo.  
March 28—Collins Farm Co., Sabetha, Kan.  
April 12—J. L. Young, Haddam, Kan.

**Duroc Hogs**  
Feb. 28—E. E. Innis, Meade, Kan.  
March 8—E. E. Norman, Chapman, Kan.

**Percheron Horses**  
March 8—Ira E. Rusk & Sons, Wellington, Kan.

**Jacks and Jennets**  
March 7—John Hund, Paxico, Kan., in sale pavilion, Alma, Kan.  
April 5—Hineman's Jack Farm, Dighton, Kan.

**Rusk's Reg. Percheron Sale!**

on Ira Rusk farm, 5 so. and 1 mile east of town. One mile east of Meridan Paved highway

**Tuesday, March 8**

30 HEAD representing the natural accumulation of our herds.

10 STALLIONS. 3 three year olds, 6 two year olds and 1 yearling.

20 MARES and Fillies. 15 of them in foal. Remainder nearly all old enough to breed. The mature mares were sired by CHRISTO a son of CARINO dam by CASINO and CAEVER also a son of CARINO. The young stallions and fillies are sired by DeGoy B a grandson of the 2600 National Grand Champion HOULEUX and HILCOR a grandson of HOULEUX and Carnet. The horses selling are sound in every way and the mares old enough have been used for work on the farm. Catalog on request.

**IRA E. RUSK & SONS, WELLINGTON, KAN.**  
**W. K. RUSK, WELLINGTON, KAN.**  
Auctioneers: Boyd Newcom, John D. Snyder.



**COMPLETE DISPERSAL SALE**


**Percherons, Jacks, Jennets**

In Alma's heated sale pavilion, rain or shine,  
**Alma, Kan., Monday, March 7**

6 Jacks from 3 to 6 years old, 14.2 to 15.1 hands high, extra good quality and well broke. 10 Jennets all bred, heavy bone, extra good quality. Included is our registered herd stallion Paddy 117327, well known because of the high quality of his get. Two 7 and 8 year old mares, high grade Percherons. 25 Farm and draft mules, 5 to 8 years old, weight from 1200 to 1500 each. Jacks and Jennets and stallion, all registered. Every animal in this sale bred on our farm. No postponement. For further information address,

**JOHN HUND, Owner, Paxico, Kan.**  
Boyd Newcom, Auctioneer.

Location: Alma is 100 miles Northeast of Hutchinson and 100 miles west of Kansas City on the Main line of the Rock Island. Also on the Alma-Burlington branch of the Santa Fe.



**HORSES AND JACKS**

**TERMS ON STALLIONS**

Three coming three years old, all blacks, one of them winning 2nd at Royal, K. C. Also some real big brood mares to sell in pairs or single.

**ED NICKELSON, LEONARDVILLE, KAN.**

**25 Jacks and Jennets**

for sale or trade for land, town property or other stock. Registered. Mo. foundation breeding.

**J. C. BEATIE**  
Anson, (Sumner County) Kansas

**Stallions For Sale**

3 year old, black-grey Percheron stallion, weight 2200 lbs. 2 black two year olds. Splendid style and quality. Carnot and Casino breeding. Also few reg. mares.


**H. G. ESHELMAN, SEDEWICK, KAN.**

**HORSES AND JACKS**

**PERCHERON STALLIONS**

Reg. One black and one dark gray. Coming three years old. Grandsons of Casino. Priced right for quick sale. Write for photos.


**W. H. NOTT, HERINGTON, KAN.**



**Percheron Horses**

For sale. Stallions, registered mares, grade mares, geldings, mares in foal by Carnot (grandson of the \$40,000 Carnot).

**L. E. FIFE, 5 miles south of Newton, Kan.**  
Meridian Road



**Jacks and Stallions**

for sale. Worth the money or would trade for land. Four big Reg. Jacks, 2 Reg. Percheron stallions, one Reg. Belgian stallion. All are excellent breeders and good ages.

**W. H. MALDRE, CHASE, KANSAS**



**Jersey Section**

**Better Blood Lines**

When in need of better blood in your herd, write us about a son of Financial Interest Boy No. 130770 and some of the heaviest producing cows in Kansas.

**W. S. Sheard, Junction City, Kas., Geary Co.**

**B. C. Settles JERSEY SALE MANAGER**

"If I manage your sale we both make money."  
404 HALL BUILDING, KANSAS CITY, MO.

**Bulls of Serviceable Ages**

and bull calves. Grandsons Fern's Wexford Noble and out of R. of M. and prize winning cows.

**R. A. Gilliland, Denison, Kan., Jackson Co.**

**BULL 12 MONTHS OLD**

From a state champion cow. And from a son of Fern's Wexford Noble. Here is a real herd builder. Several others for sale. All from R. of M. and class champion cows. CHAS. H. GILLILAND, Mayetta, Ks.

**Bull 12 Months Old**

Register of Merit dam. Splendid individual. Financial breeding. Priced right for quick sale.

**ED C. LATTA, Holton, Kan., Jackson Co.**

**ECHO FARM JERSEYS**

For sale. Stockwell's Blue Owl, Jr. born June 10, 1924, grandson of Mary from Subj's Choice, 855 fat A.A. H. M. dam of Stockwell, Flying Fox and Blue Belle breeding. E. H. TAYLOR & SONS, KEATS, KAN.

**J. B. Porter & Sons**

Our herd sire Casotte Coomassie, son of a double gold medal cow. Two of his sons, soon ready for service, for sale. J. B. Porter & Sons, Mayetta, Kan., Jackson Co.

**Bull Calves For Sale**

sired by Cunning Mouse's Masterman, whose sire and dam both were first prize winners over the Island and whose full aunt was Grand Champion at the 1926 National Dairy Show, price \$50.00 to \$100.00.

**C. E. SOUDERS**  
710 Schwelger Building, Wichita, Kansas

**Poe's High Record Jerseys**

still breeding them but not for sale just now. **L. A. POE, HUNNEWELL, KANSAS**

**FINANCIAL COUNT BLOOD**

Bull calves for sale sired by a son of Maiden Fern's Prince, first prize aged bull National Dairy Show 1926. Granddaughters both sides hold Kansas state records butterfat. **L. W. NEWTON, Winfield, Kan.**

**LILL'S JERSEY FARM**

is still headquarters for the best in Jerseys. Sophie's Tormentor and Sunflower Lad in service. Hood farm blood.

**PERCY E. LILL, MT. HOPE, KANSAS**

**WE HAVE LEASED**

From Longview Farm, Leg's Summit, Mo. The R. of M. bull, Manera's Fairy Lad #74908, son of the Silver Medal bull, Flora's Queen's Raleigh. **Beal Bros., Colony, Kansas**

**JERSEY BULL**

Dropped June 18, 1926, half brother to present herd sire. Price right. Last bull until others are dropped.

**W. R. Linton, Denison, Kan., Jackson Co.**

**Nebraska Jersey Cattle**

Line bred Sultanas Jersey Lad breeding. Foundation cows direct from Island. Stock for sale.

**H. E. WYATT, FALLS CITY, NEB.**

**MAIDEN FERN'S GOLDEN NOBLE**

A son of the 1st prize aged bull at the National Dairy Show 1926 heads our Jerseys. A line bred Oxford You'll Do bull calf for sale.

**Frank Van Buskirk, Kincaid, Kan.**

**Hood Farm Blood**

Seaside Tormentor in service. Young bulls and some females for sale.

**ALEX LEROUX & SON, PRESTON, KAN.**

**TWO BULL CALVES**

Grandsons of Xenia Sultan, July and Aug. Calves. Priced for quick delivery. Other stock for sale. Let me have your wants. Also Shetland Ponies.

**J. B. HUNTER, DENTON, KANSAS**

**QUEEN'S VELVET RALEIGH**

heads our Jerseys. His dam is the highest tested Gold Medal daughter of Flora's Queens Raleigh. Young bulls for sale from tested dams.

**A. H. Knoppel, Colony, Kansas**

**FINANCIAL KINGS AND NOBLE OF OAKLANDS**

Yearling bulls and under for sale.

**W. E. KING, Rt. 3, WASHINGTON, KAN.**

**Reno County Jerseys**

This is the big Jersey center of Kansas. The breeders listed below invite inspection of their herds.

**VINDALE JERSEY FARM**

28 cows half of them first and second calf heifers, averaged over 300 lbs. fat last year. Bulls for sale by grandson of You'll Do Oxford.

**Geo. Vincent, Hutchinson, Kansas**

**Mercury's Admiral of Coleman**

heads our Jerseys. Cows of Raleigh breeding. Keeping all of our females and building up a strong herd.

**H. G. WRIGHT, SYLVIA, KANSAS**

**Hood Farm Bred Jerseys**

28 cows and heifers for sale. Most of them have records made by county Cow Testing Assn. Also young bulls. Everything registered. Inspection invited.

**J. P. TODD, CASTLETON, KANSAS**



# FLEX-O-GLASS

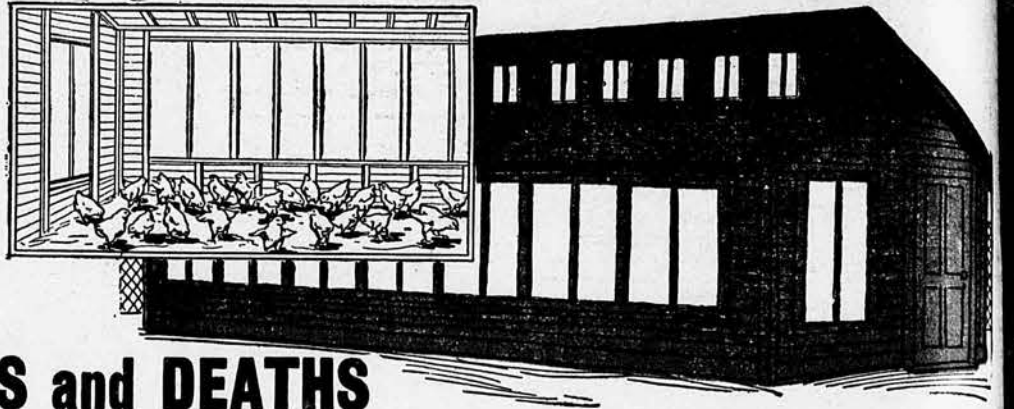
**Admits Ultra Violet Rays**

PATENT PEND. T. M. REG.

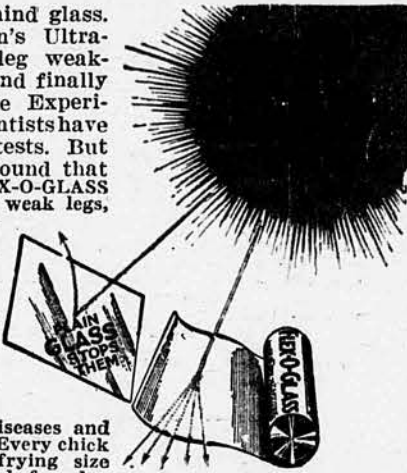
**1/8 Cost of Glass and Much BETTER**

**KEEPS Baby Chicks Healthy**

**PREVENTS RICKETS (WEAK LEGS) DISEASES and DEATHS**



Don't keep chicks behind glass. It shuts out the sun's Ultra-Violet rays, causes leg weakness, rickets, disease and finally death. Leading State Experiment Stations and scientists have proved this in many tests. But these scientists also found that chicks kept under FLEX-O-GLASS were safe from rickets, weak legs, stayed healthy, were full of pep and grew amazingly in this warm, sunlit room—because the chicks absorbed the energizing Ultra-Violet rays that FLEX-O-GLASS admitted. See the proof in center column. These tests were made for you. Put your chicks under FLEX-O-GLASS.



Prevent weak chicks, diseases and deaths in this easy way. Every chick will mature or reach frying size much sooner than ever before because they absorb the tissue building Ultra-Violet rays that pass thru FLEX-O-GLASS. Poultrymen everywhere have replaced glass with FLEX-O-GLASS, which makes use of the sunshine—Nature's only health-producer—indoors where chicks are out of slush, snow and rain. Fast, strong chick growth will actually amaze you. Just build a FLEX-O-GLASS scratch shed easily and replace all poultry house windows with FLEX-O-GLASS. The results will be astonishing. Use 15 yards for 300 chicks. This cozy sunlit brooder-house will pay for itself many times the first season alone and next winter keep your hens in it. The Ultra-Violet rays will keep them healthy and active, stimulate the egg glands and make them lay to the limit in coldest weather.

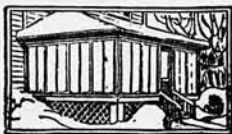
## Better Than Glass For HOT BEDS

Gardeners—get stronger, bigger plants that will grow when transplanted. Because FLEX-O-GLASS admits concentrated Ultra-Violet rays and Infra-red (heat) rays, it makes plants grow much stronger and faster than when under plain glass. (Glass stops these rays.) Have plants earlier. Get more money for them. FLEX-O-GLASS is installed much easier, holds heat better and costs far less than glass. Scatters light just as needed. Does not chill like glass. Frames are lighter and easier to handle. 15 yards of FLEX-O-GLASS covers a hot bed of 135 square feet. Ideal for greenhouses.



## Enclose Porches and Storm Doors

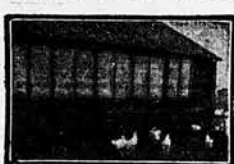
Just nail FLEX-O-GLASS over screen porches and storm doors. Changes snow trap into healthful sunroom or children's playhouse, cheaply. Fine for sleeping porches. FLEX-O-GLASS is also used on ordinary curtain rollers to diffuse healthful light to every corner of the room. Actually makes room much lighter.



## MILLIONS OF YARDS IN USE—READ WHAT USERS SAY

Hundreds of Letters Received Daily Prove FLEX-O-GLASS Best

**Hoffman Poultry Farm of Indiana writes:** "We used FLEX-O-GLASS on our brooder-houses this spring and were very well pleased. We placed it by the side of one window that was covered with—(another product). The difference in the color of the light was quickly noticeable. But one very convincing argument was that the chicks piled up in front of the FLEX-O-GLASS window, leaving the space in front of the other entirely empty. The FLEX-O-GLASS looks as well at the end of the season as it did at the first, while the other material is decidedly worn. I thought perhaps these observations of ours might be of interest to you."



**HIS THIRD ORDER**  
"Enclosed find check for \$3.50 for which send me 10 yards of FLEX-O-GLASS. The other two shipments have proved very satisfactory indeed. It is all you claim for it."—F. S. Hammond, St. Petersburg, Fla.

**SUPERIOR TO GLASS**  
"I put FLEX-O-GLASS on alongside of a glass window last summer. I found it superior to glass for light. I have had enough experience in the use of FLEX-O-GLASS to give advice to people I meet. I do not hesitate selling anything that has merit."—T. S. Baird of N. Y.

**KNOWS WE'RE RIGHT**  
"I used some FLEX-O-GLASS last year, think it all you claim."—M. D. Reed, Utica, Ohio.

**HERE'S PROOF**  
"I have used FLEX-O-GLASS for a year and like it fine. My father had about 50 hens but no FLEX-O-GLASS and he got 3-5 eggs a day during the cold, while I had 12 hens and I got 8-10 eggs a day with FLEX-O-GLASS during the coldest weather. Please send me 15 yds. more immediately for a scratch shed."—Minnie Foster, Schaghticoke, N. Y.

**IT'S O. K.**  
"Enclosed please find \$30.00 in Post Office money order for which please send me 100 yards of your FLEX-O-GLASS. Your FLEX-O-GLASS is O. K. My chickens are doing fine. Scratching and singing all day long, and laying, too. I expect some of my neighbors will send in for FLEX-O-GLASS by the way they talk."—John Westwood, Belleville, Ill.

**FOR PIGS**  
"FLEX-O-GLASS works wonders for little pigs."—A. P. Nave of O.



**What Ultra-Violet Rays Will Do**  
See the two chicks above. They illustrate the difference in growth obtained by depriving chicks of Ultra-Violet rays, and by keeping them under FLEX-O-GLASS. State Experiment Stations and thousands of poultrymen have proved this since Flex-O-Glass was originated. You can too. Take two chicks from the same hatch. Feed them the same. Deprive one of Ultra-Violet rays. Put the other under FLEX-O-GLASS. At 10 weeks, the latter will be two to three times the size of the former. Read what leading U. S. authorities say about Ultra-Violet rays and FLEX-O-GLASS.

**PROOF**  
**IOWA STATE COLLEGE** states: "Believe your product (FLEX-O-GLASS) far superior to common glass for enclosing chicken houses for winter and for brooder houses."  
**OHIO STATE EXPERIMENT STATION**, upon completing a ricket test reports: "Enough of the effective Ultra-Violet rays were transmitted to offer protection against leg weakness."  
**KANSAS STATE EXPERIMENT STATION** says: "Up until 2 years ago no one understood the value of Ultra-Violet rays. Some excellent results have been reported by practical poultrymen who have used glass substitutes, which will allow the passage of the health-giving portion of sunshine to a considerably greater extent than glass."  
**DR. MORSE**, for 45 years Consulting Chemist of Connecticut says: "Congratulations are due you. Your statements I heartily corroborate because the Ultra-Violet rays which penetrate Flex-O-Glass makes hens healthful, chemically active and increases oxygenating power of the blood."  
**CANADA AGRICULTURAL COLLEGE of Man.** reports: "FLEX-O-GLASS is standing up fine under test conducted this winter," says Mr. Otto.

**A REAL BOOSTER**  
"I am enclosing check for \$30. Send me 100 yds. of FLEX-O-GLASS at your earliest convenience. I had a \$5 roll of you a year ago. I think I will want another 100 yds. after I see how far this hundred goes. It's for covering hen yard to keep out rain and snow."—R. H. Small, South Harwich, Mass.

**IT STOOD THE TEST**  
"I bought 10 yards of your product about October 1st, 1928. When a company makes the statement that—'my brother's eggs increased, etc.'—I usually associate such claims with a well known farm animal advertised as a brand of well known smoking tobacco. My hen house was 8 1/2 x 10 and faced west. So I built a lean-to south of this 8 1/2 x 10 of FLEX-O-GLASS. Not until January had I any accurate figures on production, so I waited until the end of that month to write you. With a space of 170 cubic feet (about enough for 40 chickens) I have successfully raised 61 without any sign of disease and although on the night of the 13th we had 20 degrees below and on the 12th snow piled over 4 feet on this FLEX-O-GLASS and on the 10th over an inch of sleet fell on it, my FLEX-O-GLASS is still O. K., and my egg production shows an increase of 45% over last year. One hen laid 25 eggs in January. If you need a booster send them to me."—A. A. Shisler of Ills.

## Use Only Original FLEX-O-GLASS

Folks have always had poor luck with chicks when kept behind plain glass. The reason was not known until a few years ago. Scientists found that chicks, pigs and many plants eventually died and hens quit laying when deprived of Ultra-Violet rays, and plain glass shut these rays out. Therefore Mr. Warp originated FLEX-O-GLASS to admit these needed rays. He perfected FLEX-O-GLASS after much research and experimenting. He found it could be manufactured much cheaper than glass. FLEX-O-GLASS was the first and original Ultra-Violet ray filter advertised years ago, and Mr. Warp still has charge of the manufacture of this most durable, health-producing product. He stands back of every word on this page. Why chance a substitute or imitation when the genuine, time tested FLEX-O-GLASS, which is registered in the U. S. Patent Office costs no more. Thousands of people have replaced plain glass windows with health-producing FLEX-O-GLASS. It scatters healthful light to every corner of the room, causing wonderful growth. It is highly recommended by Best Authorities. Millions of yards are now in use.

**Just Cut With Shears and Nail On**

FLEX-O-GLASS is very easily installed. Comes in one piece, 3 feet wide, any length desired. Just cut to size with ordinary shears, nail on and the job is done. It is absolutely weather-resistant, transparent and waterproof. Looks neat and attractive. Lasts for years.

## Genuine FLEX-O-GLASS Is Guaranteed Most Durable

FLEX-O-GLASS, the Original product advertised for admitting Ultra-Violet rays is unequaled. Genuine FLEX-O-GLASS always has been and is today made on a stronger, better cloth base, specially processed to withstand all kinds of weather. That's why it lasts for years, always lies flat and stays bright. FLEX-O-GLASS even looks fresh and new after many seasons of exposure to wind, rain and snow. Don't confuse it with inferior materials. State Experiment Stations tested FLEX-O-GLASS thoroughly before recommending its use—Your Protection. It is used with amazing results everywhere, for replacing glass at only 1/8 the cost. In fact, it costs only 3 1/2 cents a square foot, postpaid. Order Genuine FLEX-O-GLASS today at our risk—direct from the factory and save money. Mrs. T. J. of Nebraska, writes: "When FLEX-O-GLASS is installed beside another, it speaks for itself."

## PRICES—All Postage Prepaid

Per yd. 36 inches wide: 1 yd. 50c; 5 yds. at 40c (\$2.00)  
10 yds. at 35c (\$3.50) 25 yds. at 32c (\$8.00)  
100 yards or more at 30c per yard (\$30.00)

## SPECIAL TRIAL OFFER

15 Square Yards Postpaid for \$5.00

The FLEX-O-GLASS MFG. CO. just send it back and your money will send you a 15 yard trial roll of FLEX-O-GLASS 3 feet wide and 45 feet long, postage prepaid for \$5.00. This big trial roll covers a scratch shed 6x15 ft. (135 sq. ft.) size for 300 chicks) or use for brooder house fronts, hotbeds, poultry, barn or hoghouse windows, enclosing porches, storm doors, etc. If after 15 days not satisfied that FLEX-O-GLASS gives more warm, healthful light than glass, or if it isn't stronger, better and more durable than other materials, valuable poultry information.

### PROMPT SERVICE

It takes only 18 1/2 hours for a letter to come from Wichita, Kan. to Chicago. Within 24 hours your FLEX-O-GLASS leaves the factory.

Flex-O-Glass has made a hit Its cost is just a little bit; For chicks and plants it's mighty fine It is a wonder of the time.

## QUICK DELIVERY!

Mail this COUPON now!

FLEX-O-GLASS MFG. CO., Dept. 262  
1451 N. Cicero Ave., CHICAGO, ILLINOIS

Find enclosed \$..... for which send me..... yards of FLEX-O-GLASS 36 inches wide, by post paid parcel post. It is understood that if I am not satisfied after using it for 15 days I may return it and you will refund my money without question.

Name.....  
Town.....  
P. O. No. ....  
State.....

**FLEX-O-GLASS MANUFACTURING CO.**  
1451 N. CICERO AVE. Dept. 262 CHICAGO, ILL.