

# KANSAS FARMER

CONTINUING

MAIL & BREEZE

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Number 31

## Ample Moisture Always

Irrigation will change your whole system of farming, but for the better

**A**T LEAST 63 Kansas counties have shallow water areas suitable for irrigation purposes. Generally speaking, the shallowest water tables are found in river valleys, particularly toward the Eastern end of the state where irrigation is not required as often as in the West.

During the last 3 years, irrigation has paid big profits to farmers who have a supply of water within reasonable distance of the surface. Shallow water cuts down the cost of installing a pumping unit and of power to lift the water. In the Medicine river valley of Kiowa county, Robbins Ranch has been irrigating 400 acres. Large crops of sorghum and alfalfa were grown in 1936. One thousand bushels of certified Atlas sorgo seed, and a considerable amount of uncertified seed, were produced. With Atlas selling at twice its normal value, one can readily figure how profitable irrigation must have been on this farm last year.

A series of irrigation meetings recently have been held in the Kaw Valley at the call of farmers who are becoming more and more interested. Hal Eier, extension engineer from Kansas State College, has been in charge of these meetings and the suggestions he and Henry Lobenstein, extension specialist, have given farmers along irrigation lines are [Continued on Page 17]



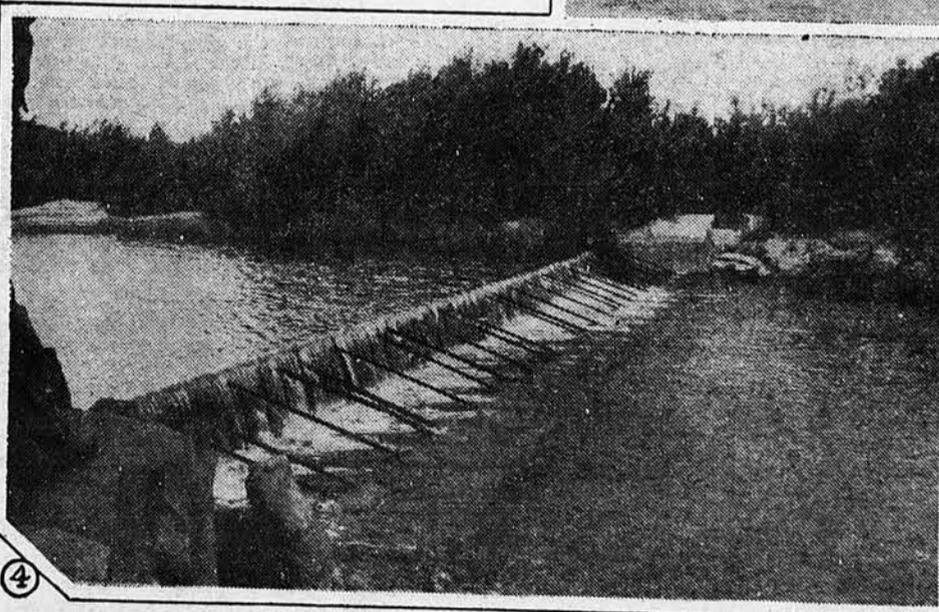
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### The Pictures:

1—Real hot weather thrills. Scott Kelsey, Topeka, and a workman, watch the water as it drains down a main irrigation ditch to water corn and potato land.

2—Atlas Sorgo produced under well irrigation on the Robbins Ranch, Kiowa county. The crop matured by the middle of September, said County Agent A. G. Pickett, shown in the picture, and more than 1,000 bushels of certified seed were grown. This ranch has 400 acres under irrigation on which Atlas and alfalfa are produced.

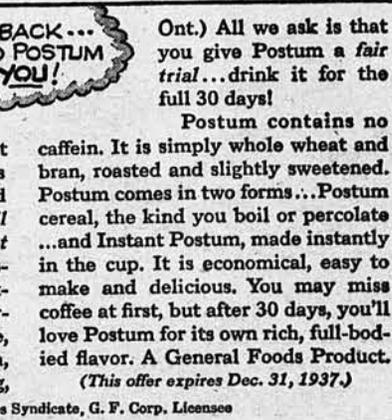
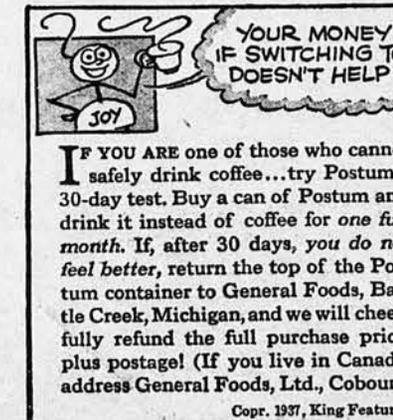
3—Four miles west of Cimarron, the McFarland Ranch has made a diversion ditch leading out of the Arkansas. This brings water down to put on feed crops as the men were busy doing here last summer. A temporary dike in the riverbed causes the water to lead out thru the ditch and follow the natural slope of the valley down thru the fields.

4—The only collapsible dam on the Arkansas river, is believed to be this one at Wilroads Gardens, 5 miles east of Dodge City. When high water comes the braces are let down and the dam lies flat. The braces are hinged at the upper end and fit in slots in the concrete at the lower end.

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**AN IRRIGATION PLANT PAYS A PROFIT ALMOST EVERY YEAR**

# JOYS IN GLOOMS



**YOUR MONEY BACK... IF SWITCHING TO POSTUM DOESN'T HELP YOU!**

IF YOU ARE one of those who cannot safely drink coffee... try Postum's 30-day test. Buy a can of Postum and drink it instead of coffee for one full month. If, after 30 days, you do not feel better, return the top of the Postum container to General Foods, Battle Creek, Michigan, and we will cheerfully refund the full purchase price, plus postage! (If you live in Canada, address General Foods, Ltd., Cobourg,

Ont.) All we ask is that you give Postum a fair trial... drink it for the full 30 days!

Postum contains no caffeine. It is simply whole wheat and bran, roasted and slightly sweetened. Postum comes in two forms... Postum cereal, the kind you boil or percolate... and Instant Postum, made instantly in the cup. It is economical, easy to make and delicious. You may miss coffee at first, but after 30 days, you'll love Postum for its own rich, full-bodied flavor. A General Foods Product. (This offer expires Dec. 31, 1937.)

## Our Crop Reporters Say—

**Barton**—We are again having some dust. The groundhog had the pleasure of seeing his shadow February 2nd. Butterfat, 30c to 33c; eggs, 18c; wheat, \$1.28 to \$1.29.—Alice Everett.

**Chautauqua**—Several farmers have pulled their drills out and started putting in oats. Oats seed, 55c to 65c per bushel; corn seed fairly plentiful, but sorghum scarce.—Cloy Brazle.

**Cloud**—Farm ponds are all about full of water. The ice that was over the wheat fields during the last of January and first of February hasn't done any real damage to wheat. Farmers feeling optimistic about the outlook for next summer's crops.—Leo Paulsen.

**Douglas**—Good demand for Sweet clover seed. Many inquiries for straw and all kinds of feed for livestock. More roads being rocked and considerable work being done on various projects by relief workers. A good many tenant farmers moving this month and in March. Egg production reported low according to number of hens kept on a good many farms.—Mrs. G. L. Glenn.

**Gray**—Fields blowing badly in parts of the county. Many fields will be strip listed where wheat is good if the frost goes out of ground. Plenty of moisture in soil in part of county and wheat a good stand. Stock brings good prices at sales. Eggs, 17c; cream, 31c.—Mrs. G. E. Johnson.

**Greenwood**—All prices have advanced since oil drilling started. Fields are impossible to haul a load out. Hay is in good demand with prices ranging from 38c to \$1.08 per ton; alfalfa hay \$1.58. No surplus of rough feed.—A. H. Brothers.

**Jefferson**—Wheat came on much better than expected. Feed about all used up, but most stock in good condition. Oats sowing will begin soon. A few farmers will not plant corn because of discouragement and high price of seed. All grass seed is very high.—J. B. Schenck.

**Lane**—Soil blowing started before frost was out of ground and has been a serious handicap to those whose fields needed protection. Lots of moisture in ground, but top soil is blowing where there is no protection.—Mrs. A. R. Bentley.

**Leavenworth**—Many horses and cattle died from injuries falling on the ice or had to be killed because of broken bones. The wheat is coming thru better than folks thought. Ponds filling up with water nicely. Feed high and scarce and livestock generally thin in flesh.—Mrs. Ray Longacre.

**Lyon**—Wheat looks good. Most of the winter is over; soon time to sow oats. Stock and poultry went thru zero weather real well. Roads in good condition. Good oats sell from 65c to 70c a bushel.—E. R. Griffith.

**Marshall**—Wheat is safe here. The snow and ice that fell early in the season did little, if any, damage. It looks like we are going to have the best crop in history. Now if we can get a good corn crop, we farmers will be sitting pretty again. Eggs 12c to 16c; cream 32c; wheat \$1.25; corn \$1.35; hay \$15.00.—J. D. Stosz.

**Ness**—Weather acted badly the past week, with high winds and plenty of dust, but now a good snow. Some fields were blowing badly. Feed is scarce. We need some wheat pasture to help the stock to grass if it ever comes again.—James McHill.

**Osage**—Wheat fields look rather brown. Grass looks green. Dairy cows are in very poor condition and many going dry. Silage is of poor quality. A sale on February 16 where good Holstein dairy cows giving milk sold for \$25 to \$35 per head. Good farm machinery sold for almost nothing. Butterfat 32c; seed oats 72c; seed corn \$3.50 to \$4.50 a bushel; alfalfa hay \$20.—James M. Parr.

**Osborne**—After having the ground covered with snow for about six weeks, we had a light rain, then more snow, and the ground is in wonderful shape. Wheat came out in fine shape and with a little warm weather will make good pasture again. Feed is getting scarce and pasture will not come any too soon for most of the farmers. Considerable interest is shown in the new soil conservation program. Here's hoping it will be the means of getting considerable alfalfa sown in our county. Several farm sales advertised for the next few weeks.—Niles C. Endsley.

**Pawnee**—Alternate freezing and thawing has made the top soil very mellow, blowing easily. Most of the wheat is small, but alive and being pastured. Much feed has to be bought. Oats seed will be scarce. Colorado seed oats sold for 75c a bushel at weekly stock sale. Farm Bureau members getting certified seed potatoes for \$3.35 cwt. Not much wheat left in bins.—Paul Haney.

**Rooks**—Farmers are beginning to think of sowing oats. Some ground is blowing and farmers are listing or cultivating at intervals. Quite a few farm sales lately. Prices are good. Good young horses bring around \$100; milk cows \$25 to \$50; eggs 17c; cream 32c; corn \$1.30.—C. O. Thomas.

**Rush**—January's sleet and ice supplied moisture to our dry soil. Several days the sun has been completely obscured by dust high in the air—dust from Oklahoma and Texas. Wheat has greened up but little due to dry soil, but this snow will help. Subsoil moisture is deficient, and more moisture will be needed. Livestock averages thinner than usual. Roughage and silage nearly exhausted. Much feed and straw is being trucked in. Wheat \$1.25; eggs 18c; butterfat 34c.—Wm. Crotinger.

**Trego**—Frequent dust storms gathered intensity last week. A few fields blowing. Wheat fields dry. Frost going out of soil.—Ella M. Whisler.

**Wyandotte**—It surely seemed good to be able to walk on the ground once again. Probably more stock was lost from falls on the ice, than from all other causes in many months. Seed oats are very scarce with price around 75c. Rough feed seems to be holding out well, but most farmers are buying hog feed. Oat acreage will not be as large as usual, unless the wheat is dead as the land is not available. A small corn crop also is in prospect as most land was sown to wheat. Chicken thieves busy again.—Warren Scott.

## From a Marketing Viewpoint

HOMER J. HENNEY

(Carrying costs and probable changes in feed costs considered.)

**What would you do with hogs weighing 225 pounds—sell now or wait until the first 2 weeks of March? Corn is costing \$1.30 a bushel.—C. M., Blue Rapids, Kan.**

**About 7 chances out of 10 that prices by early March will be higher than late February. The advance may not pay for the feed costs, but I believe the odds favor such a program. In years when more than the usual proportion of the winter supply of hogs is sold before January, there is a tendency for prices to advance in March. The excessive lard holdings along with floods and strikes probably have been discounted by lower prices in February. The safest hog program ahead is a growing out or breeding program rather than a finishing program. July, August or September should be the best place to market any young stock.**

**Do you think it will pay to go ahead with broilers until April, or would you sell as soon as they will go on the market, or would you just let them range out and grow hoping for higher prices when they are roosters and hens?—O. B., Hymer, Kan.**

**About 8 chances out of 10 that your third program would net the most for at least a portion of your hatch. Heavy cold storage holdings of poultry, floods, strikes, unfavorable feed ratios, and advancing feed costs all are working for smaller net returns in the first half of 1937 than in the last half. With declining feed costs in the last half of 1937, chickens that would have been broilers might even net more as heavy fowl. Since the picture ahead is not clear, one should go ahead with the original program as planned for at least one-third to one-half of the hatch.**

**I have in mind buying some Hereford calves to put on grass this spring. What weight and sex should I buy? What price can I afford to pay and when should I plan on selling?—J. F. G., Edson, Kan.**

**About 6 chances out of 10 that you can show a profit this year above your probably higher cost on May 1 and your selling price on November 1. A straight summer grazing program, which calls for buying at grass time and selling in the fall, usually is a losing game unless in the late fall months there is a big corn crop and improving business conditions. To use grass to the best advantage, one needs to buy in the fall or carry over the next fall. Such a deferred program usually increases one's chances to 8 out of 10 for a profit. The above summer program calls for light-weight, choice-quality steers in order to have the class of cattle to sell to Corn Belt finishers if there is a big corn crop or the kind that can be carried 12 months longer if there is a small corn crop. Choice calves now cost 8 to 9 cents ready to go.**

**What would you do with lambs from my ewes? Would you creep feed with corn as high as it is or would you grow out and sell off grass next fall?—H. W. F., Larned, Kan.**

**About 9 chances out of 10 that you will net more by following your regular program of creep-feeding. Figuring the production advantages by creep feeding, the small amount of corn required, the present age of your lambs, and the advantage in getting on a seasonally high market, there seems little evidence that lambs already on the ground should be grown out for the fall market. Sheep on farms are still plentiful relative to the supply of cattle and hogs when comparisons are made with the high time in 1934.**



The highest scoring poultry flock in Kansas under record of performance work, belongs to Mr. and Mrs. H. H. Moore, Nickerson. Fifty-five hens out of 250 laid an average of 221 eggs last year.



Mr. and Mrs. J. D. Sabin, Burrton, Reno county, won the Kansas brooding championship on their flock of White Plymouth Rocks. They raised 84 per cent of 508 chicks to 6 months old, and scored 97.



Mr. and Mrs. Chris J. Mall, Clay Center, winners of state-wide honors in certified poultry flock management. Their work scored 98½ per cent for both brooding and management.



The Kansas Poultry Improvement Association named Mr. and Mrs. H. A. Praeger, Claffin, as state champions in poultry flock management work for 1937.



Winners of the state-wide management prize, given by Kansas State College Extension Service and the Poultry Improvement Association, for approved poultry flock work, were Mr. and Mrs. W. R. Lilliequist, Sawyer, Barber county.

## Five Points in Poultry Profit

MRS. L. E. MACY, Saffordville, Kansas

ONE word plays a most important part in the life of a chick and continues thru life. That word is "Sanitation." Two weeks before I expect my baby chicks, I sweep and clean the brooder house of all loose dirt. Then scrub with hot lye water until not a speck of dirt is left, and spray with a good disinfectant. After the house is well aired, install the stove to see that it is in proper working order.

We use ground corn for litter, but cobs are getting rather scarce. Always keep a pan of water on the brooder stove, as too dry heat is not good for chicks, and I think more chicks are ruined by too much heat than too little.

I wash the drinking fountains every day the first 3 weeks. Chicks are started on all-mash. Grain is fed in separate feeders after chicks are 4 weeks old. They have mash before them continuously from the first feed until they are put in the laying house, then they always have laying mash. The chicks also have grain in separate feeders, but we feed only grain to the laying flock in the evening. During the hot months I feed the laying flock a wet mash at noon.

The young and old chickens do not range together. We sow oats on the chicks' range in the spring, and rye and wheat for the laying flock to range on in the fall and spring.

Culling plays a most important part in the profit received from a poultry flock. Begin by taking out the "runty"

pullets, then cull the laying flock every day by looking them over when you feed them, and taking out the birds not up to par in vitality and those that show by their actions they are poor producers. Every time a hen goes broody I mark her and when she has been in the broody coop three times she goes to market. In August I mark each hen that is laying, these hens to go in my breeding pen the next year. A flock must be in good laying condition to be culled. This means they must be properly fed and housed.

A few weeks ago a poultry dealer said to me, "You would be surprised to see some of the chickens that come to market. Too many people 'keep' chickens. If they cannot feed them properly, they should sell them." I think this statement is true. I find some of the "high spots" of management are these:

1. Always start with "clean" chicks, those from flocks properly blood tested for pullorum disease.
2. Get chicks from approved or certified flocks.
3. Feed mash from start to finish.
4. Have pullets fat when they go into the laying house.
5. A good chick, properly raised, will make a nice profit for its owner. And first, last and all the time keep in mind that one word "Sanitation."

### Easy Record Keeping

Poultry record keeping is easy. Fasten 3 wire hooks and a large calendar on a convenient wall. On one hook file tickets showing poultry receipts, the dates, kinds and amounts. Use one to keep track of expenses, the other for a brooding and hatching record.

## Double Use for Sunken Brooder House

ONE of the finest family farms in North Central Kansas is owned and operated by L. C. Albrecht and family, of Smith Center. Mr. Albrecht specializes in wheat raising and is doing a good job of it. The best of farm machinery is used and it is kept in tip-top condition. The Albrechts keep a nice flock of White Rocks and raise a few good Duroc hogs. A small herd of cows is milked.

The lister is used more to prepare the wheat land than it was a few years ago. Summer fallow also is more popular. On a 40-acre field summer-fallowed in 1935 and harvested in 1936, the stubble still shows up rank and heavy compared to that on continuous cropped land alongside.

More than 700 acres of wheat were cut with one 10-foot combine by L. C. and Verne Albrecht last summer. After harvest they bought another used combine so they have two for the 1937 crop. There is considerable interest in the damming or basin lister around Smith Center. They believe it will prove far superior to terracing, when the cost angle is considered. However, even dammed furrows cannot be run safely up and down any but very gentle slopes. Contouring is the only safe way.

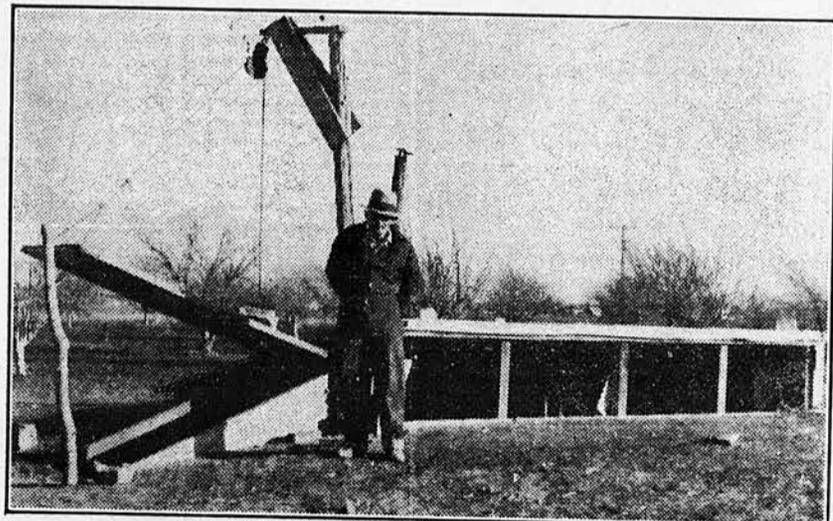
One of the novel buildings on Albrecht's farm is a basement brooder house. About 4 feet of the house is below ground. This makes it very warm for little chicks. It also is used for brood sows which are farrowing in cold weather of early spring. There is

a fine big barn, a warm, new adjoining shed and machine shop, a pit silo about 10 feet across by 24 feet deep, and a model farm home. Water was piped from Smith Center at low cost, since only a ¾-inch pipe had to be laid a quarter of a mile. Electricity also was wired out to the farm.

Corn has been a popular crop on this farm, 175 acres usually planted each

year, but the acreage will be cut sharply in 1937 as it will on nearly every other farm. Atlas sorgo is planted for silage. Albrecht believes it shrinks less than other varieties when drouth hits it.

A fine upland orchard lies just east of the Albrecht home, and despite conditions which have killed most orchards it appears to be largely alive.



L. C. Albrecht, Smith Center, and his underground brooder house which is used for both chicks and newly-born pig litters. It is usually warm.

### Like Good Kansas Chicks

Apparently poultry raisers in several western states like the quality produced on Kansas farms from Approved flocks. Several hatcheries, which are members of the Kansas Poultry Improvement Association, make a regular business of supplying eggs from their approved flocks to hatcheries in Arizona, California and other western states. Several hatcheries have under contract approved flocks which produce two or three times as many eggs as the hatchery could hatch, as the surplus finds a ready market to out-of-state hatcheries. Reasons for this are not only the very careful supervision maintained in Kansas, but also that only four states have as rigorous requirements for approval of a flock.

# The New Kansas Soil Drifting Law

Passing Comment by T. A. McNeal

**H**OUSE bill 130, which has passed both houses of the Kansas legislature, received the sanction of the Governor and has been published in the official state paper, is an experiment which I hope will be of great importance to Western Kansas. It is known as the "Soil Drifting Law."

Its object, of course, is to prevent so far as that is possible, the destructive blowing of soil, which has not only made large areas barren, but which has contributed to terrific dust storms from which the people of Western Kansas have greatly suffered. I say experiment advisedly, because it is that, altho not entirely an experiment.

Western Kansas has long been afflicted by soil blowing and the people of that part of the state have tried with some success to stop it. The object of this law is to bring about a more general and coordinated effort to cope with the difficulty.

The Kansas State Board of Agriculture is given the general direction in carrying out the law. It is empowered to adopt such rules as it may deem necessary in "stopping and preventing soil drifting in the State of Kansas." It must supply copies of these rules to all the boards of commissioners of the various counties. These rules must be published in the various official papers of the counties.

Any citizen may notify the board of county commissioners of soil drifting in the county. The commissioners then are required to make an investigation and are authorized to employ such labor as may be needed to carry out the orders of the State Board of Agriculture to prevent soil drifting.

The boards of county commissioners are authorized to levy an assessment against the lands affected by soil blowing as a special tax to pay the expenses of the work done to prevent soil blowing, but the amount of this special tax shall not exceed \$1 an acre.

The county commissioners also are authorized to create a "soil drifting fund" and issue warrants on such fund to pay the expenses incurred under the provisions of the law. In addition to the special levy on the land affected by soil drifting, the county commissioners may levy a special tax to pay warrants issued in excess of the funds collected by the special tax. This general tax is levied on all the property in the county.

The State Board of Agriculture already has formulated a rule concerning the methods to be employed. They consist of "plowing, furrowing, listing, chiseling or cultivation by such other practical methods as have been demonstrated by experience as most effective under variant conditions and types of soil and topography, and performed at such times as may be necessary to best accomplish the purposes of the law."

The State Board of Agriculture also has issued two orders, one to the owners of land subject to soil drifting or their agents, the other to the various boards of county commissioners. The owners or their agents are directed to plow, furrow, list, chisel or cultivate or use other methods which have proved beneficial in other efforts to stop soil drifting. Then if the owners neglect to do this work or have it done the county commissioners are ordered to cause the land so affected to be cultivated and worked.

As I have said, all this is more or less an experiment. The Kansas State Board of Agriculture so regards it, and therefore does not lay down any hard and fast rules of procedure. No doubt a good many things will be learned in the school of experience. But the object sought in the law is of great importance. It may mean the salvation of a large part of Western Kansas.

## A Most Attractive Luxury

**M**ODERN machinery may be driving the horse out, but on my desk are three very seductive type-written pamphlets discoursing on horses and mules. They give me information about race horses and race horse breeders scattered from ocean to ocean. Of course, the race horse is a luxury, but a most attractive luxury. One of the dreams of my youth was to own a race horse that could clean up all competitors in a great race meet. I could imagine myself bowing to the cheering crowds as I led my champion off the track. Well, I never have owned a race horse but I still get a thrill out of a horse race or trotting horses. I never have been able to get excited over an automobile race any more than over a hippodrome race in a circus.

The reason is, I think, because the race horse

takes an interest in the race. He wants to win just as much as his driver, while the racing automobile is inanimate and therefore does not give a whoop.

I have another bulletin here from the Percheron Horse Association, claiming that the big draft horse has come back into its own. I am surprised at that statement, if it is true. Also it brings back some fond recollections.

When I was a boy on an Ohio farm, several enterprising stock raisers sent a representative to France to purchase 16 huge Percheron stallions. When these magnificent horses were brought on the race track at the county fair they created a sensation. I thought they were the most beautiful animals I ever had seen and I still think so. Perhaps I was impressed with them just as I was impressed with the first clown I ever saw in a circus. Never since then have I seen a clown who was in the same class with that first clown; and so there dwells in my memory a picture of those 16 magnificent stallions as the most beautiful horses I ever have seen. They were led by a dapple-gray stallion called Prince, and Prince he was, fully 17 hands high and weighing full 2,000 pounds. He was as proud as Lucifer and probably twice as handsome—I have never seen Lucifer but would bet on Prince getting the prize in a beauty show. Notwithstanding his great height and the fact that he carried his head high his glorious mane actually trailed upon the ground.

One of the bulletins makes mention of mules. Now the mule has proved his worth and I freely admit that he is wiser than the horse and on the whole more useful. A mule sometimes will run away but is not fool enough to run himself to death as a spirited horse will do. Still, I find it impossible to go into ecstasies over the mule. It does not appeal to my fancy or my emotions as a fine-looking, spirited horse does. I cannot forget that he is the product of an unnatural alliance and that notwithstanding his usefulness, he still is without pride of ancestry or hope of posterity.

## I Hope It Works

**A** CERTAIN corporation, manufacturers of electrical appliances, calls my attention to the fact that last year 206,760 automobile accidents were traced to bad weather, treacherous road conditions and resulting poor vision, altho just why treacherous road conditions necessarily result in poor vision I do not know. However, as I read on I discover that they are merely calling my attention to a windshield wiper.

Well, if this corporation actually has invented or perfected a windshield wiper that will keep the windshield clean so the driver can see the road at least two or three rods ahead they are entitled to the thanks of an automobile—mad generation. I never have seen such a wiper and am from Missouri until I have seen it tested. But at least it can scarcely help being an improvement over most of the windshield wipers I have seen.

I may say in passing that my interest in automobiles is to a considerable extent general rather than personal. I have decided that as I probably do not

## THE KANSAS FARMER

Continuing Mail & Breeze

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have very many more years to live I prefer to live while I do live in one piece rather than in separated sections. Hence I do not voluntarily go riding in an automobile when it is either raining or snowing. But as there still are a great many people who do I wish to see driving made as safe as possible.

## A Little Bit Pessimistic

**I** HAVE here a 17-page letter from a reader, George A. Savage, of Miltonvale, Kan., taking me to task for what I said about the strike.

Now I have not the slightest feeling of animosity toward Mr. Savage for his criticisms in this letter. Instead of that, if I had the space I would print his letter in full. I have no doubt that he is entirely sincere, and one of the things that I most thoroughly believe is that every man in this Republic should not only have the right to believe what he pleases, but so long as he does not interfere with the just rights of other people, or does not undertake to either overthrow our Government, I am willing that he shall talk and write as he pleases.

Mr. Savage says that he is 50 years old and is a graduate of one of our colleges. He also says that he has been reading my comments for years, but I would judge from his letter that they have not had much influence with him. While he speaks highly of the Federal Constitution his letter would indicate that he considers our Constitutional form of government a complete failure. I quote the following sentence from his letter: "You know that we are in worse shape as a nation than we have ever been."

Evidently Mr. Savage is a very credulous man, as is illustrated by the following quotation from his letter. He says: "I probably wouldn't be so interested in this auto strike if it wasn't for a little incident that happened in 1930. Three wet, bedraggled young men drove into my place in a \$10 Lizzie just before harvest. They had lost their jobs in the auto factories of Detroit and were looking for jobs in the harvest field. They stayed with me for 3 days while it continued to rain. Never in my life have I seen three fine, intelligent young men, who were so completely whipped and burned out. One of them, a slender, handsome young fellow with the keen intellect and fine soul of an artist, had worked 3 years with one company. His work had been in the foundry setting molds for the exhaust manifold for the car. He got 11 cents for each perfect casting. The list price for that casting, he told me, was \$7.50. The cast iron in one of these cost less than a dime and the necessary milling perhaps less than a quarter.

"Another of the men was a fellow who appeared to have had high, fine ambitions at one time, anxious and willing to do his share of the world's work. He was a very accurate, scientific, keen-minded man who worked in the tool-making and die-tempering department. He was whipped and disheartened.

"The other fellow was a 240-pound giant who worked in the painting department. He was the British type and was a semi-professional wrestler. His keen eyes saw everything, and believe me, he knew his stuff. He had been in the World War. He told me that in one battle he had the whole top of his head shot off, and as he said it, took my hand and placed it on the top of his head. Under his scalp was a silver plate the size of a small saucer, that had been flattened out of a silver dollar. When I asked him if it hurt he said: 'Not so bad as having your guts blowed out.' Then he told how that one day in a charge a piece of shrapnel literally disemboweled him, and how he gathered up his intestines in his arms and retreated until an ambulance picked him up. And as he said: 'Of course, you think I am a liar,' he pulled up his shirt and revealed a huge scar that covered his whole front and was the shape of an octopus. But the fact that he had made such a sacrifice for his country didn't help him hold his job when the corporation couldn't show a profit from the toil of his well trained hands."

I have in my years of editorial life, for gentle diversion, written and published some exaggerated fiction under the title, "Stories by Truthful James," for which perhaps I should ask forgiveness. They, of course, were never supposed to be taken seriously, any more than were the stories of Mark Twain, or Swift's stories of Gulliver's Travels. I thought I had done fairly well in the matter of exaggeration, but I take off my hat to the disemboweled veteran who calmly walked back until he was picked up by an ambulance. Mr. Savage believed this story. A man who could believe that, it seems to me, could believe anything. This story, as well as the remainder of his letter, indicates that he does believe anything, provided it is pessimistic.

# Farm Matters as I See Them

## Expect Important Farm Legislation

**I**F THIS Congress does not get too badly bogged down in the dispute over Supreme Court justices, it should enact more farm legislation, and perhaps more important farm legislation, than any previous Congress of the United States.

Just in passing I wish to say I am opposed to President Roosevelt's proposal to allow him to name as many as six additional justices of the Supreme Court, in order to obtain "more liberal" opinions on constitutional questions before that high tribunal. I will admit that I have wished some of the court's opinions were "more liberal," particularly the decision invalidating the AAA. In that case I thought, and still believe, that the majority opinion was wrong and the minority opinion right. Agricultural production is more than a "purely local activity," in which the Federal government can take no active interest.

But I am not going all over that again at this time. Except that it would be far better to change the Constitution in the manner provided in the Constitution, than to attempt a short-cut by allowing one man to "pack the court" to get the kind of decisions he wants. In this instance President Roosevelt's remedy strikes me as being worse than the disease he seeks to cure.

## Crop Insurance Next Fall

**W**E IN THE Wheat Belt are much interested in the proposed experiment in wheat crop insurance by the Federal government. Indications now are that this session of Congress will enact necessary legislation to provide crop insurance on wheat, probably effective on winter wheat planted next fall.

The plan to be followed, according to the message President Roosevelt sent to Congress last week, is the one we have discussed several times before in the Kansas Farmer. Growers who desire to take out the insurance will pay premiums in wheat—or cash—in years of better than average production. In years when production falls below say 75 per cent of the "crop expectancy" on their wheat lands, they will collect in wheat or cash the difference between actual production and the 75 per cent.

That is, wheat land with an "expectancy"—which would be adjusted from year to year in the light of experience of the last 6 years—of 8 bushels an acre, always would yield the producer 6 bushels an acre, if he went into the insurance program. His premium might average between 1 and 2 bushels an acre a year, depending upon conditions.

As you know, I have been urging this legislation, and am glad to know it has such a good chance of early passage.

## Offer a Four-Step Plan

**T**HE farm conference, which met here recently to work out a comprehensive national farm program, indorsed the "ever normal granary" plan of Secretary Henry A. Wallace of Agriculture. This includes crop insurance and tenancy programs, but a cautious approach to both of these problems.

The conference, in which Dr. O. O. Wolf of the Kansas Farm Bureau, and John Vesecky of the Kansas Farmers Union participated, also recommended a four-step plan for adjusting farm production to market demand for the purpose of giving agriculture a fair share of the national income and guaranteeing consumers adequate supplies of food.

The conference would continue the present soil conservation act and conservation payments, which will run about 500 million dollars a year. It also would provide commodity loans, like the corn loans of 1933, when small surpluses threatened stability of market prices. A third step would be "conditional payments" for taking land out of production only when surpluses threaten destructive drops in price levels. These conditional payments, which are the same as the benefit payments of the AAA, would be in addition to soil conservation payments.

I agree with these three proposals. I am sure I do not like the proposed fourth step—compulsory production control to reduce surpluses in emergencies—if the first three steps fail to end the danger of price destructive surpluses. It may be necessary to include this "last resort" power in the program. But I frankly don't like it. It will receive careful consideration, however.

## Crops That Outwit Disease

**C**ROP disease control isn't new to farmers. Treating seed grain against smuts or spraying fruit trees and garden, are quite familiar jobs. This is high-priced protection against the "gangdom" of the crop world. But it would be more costly, even ruinous, not to use it.

Fortunately, our men of science have tracked down these crop thieves and a great industry has grown up to produce the dusts, sprays, gases and solutions, that prove such lethal weapons against them. We might call this the "crops department of justice" because they certainly "get" the disease they go after. No doubt there

always will be need for dusts and sprays to fight disease; new diseases will show up and old ones will return in different ways.

But there is another side to this which interests me greatly, as I am sure it does you. That is developing disease-resistant plants.

Official figures show that American farmers are ahead 66 million dollars or more a year because of the breeding and introduction of disease-resistant varieties of only 17 of the more important field and truck crops.

Altho we may have heard a good deal about disease-resistant crops, the whole subject is a mere infant in the life of agriculture. The greatest development in this field lies ahead of us.

A good start has been made, of course. G. H. Coons, Department of Agriculture, points out that 55½ million acres were planted to disease-resistant varieties of crops 2 years ago; about one-fourth of the acreage in the 17 crops mentioned, which had a total value of 618 million dollars.

Now, the farmers who planted these crops and took care of them, are doing scientific work which is entirely as important as any work done in the laboratory or seed plot. Without their help, little progress could be made. I wish to commend those in this state who had a part in the work; also the experiment station men who always are on the front line of defense.

Here are a few results from acreage planted to disease-resistant crops:

Improved varieties of flax, able to grow despite wilt, account for virtually all of the flax grown in this country.

Several of the hybrid varieties of corn developed in recent years, are somewhat disease-resistant. Dr. Coons mentions a 2 per cent benefit on 100,000 acres in corn crosses that are known to be resistant.

As you know, several of the good milling wheat varieties are somewhat resistant to diseases. Such varieties planted in 1935 on 39 million acres added 19 million dollars in production value over the yield that could have been expected from the old, non-resistant wheats.

Sugar beets resistant to curly top disease, yield 2½ to 3 tons an acre more than non-resistant varieties, and in years when the disease is severe, the new varieties make the difference between a crop and a crop failure.

Agriculture will make profitable strides along this line in the future.

*Arthur Capper*

Washington, D. C.

# Three Courses for Egg Producers

## Trend of the Markets

Please remember that prices given here are Kansas City tops for best quality offered:

	Week Ago	Month Ago	Year Ago
Steers, Fed.....	\$12.50	\$12.50	\$ 9.00
Hogs.....	10.00	10.05	10.25
Lambs.....	10.65	10.25	9.50
Hens, Heavy.....	.14	.14	.18½
Eggs, Firsts.....	.20½	.20	.21½
Butterfat.....	.31	.30	.32
Wheat, Hard Winter..	1.40½	1.37	1.14
Corn, Yellow.....	1.23½	1.22	.70
Oats.....	.57½	.56½	.31½
Barley.....	.96	.94	.50
Alfalfa, Baled.....	26.00	23.00	15.00
Prairie.....	16.25	15.50	8.00

body maintenance until spring, when the birds can rustle most of their living and produce enough eggs for hatching another flock.

Or, you might sell the entire flock at once and give the poultry houses and yards a thoro cleaning. In March or April, hatch or buy chicks from a flock known to be healthy. Brood and rear them on clean ground 300 yards or more from the old range, and put them in laying houses in September. You should be getting eggs at a profit by November 1, if the pullets are well grown out and prices advance as appears likely. These suggestions by L. F. Payne, of Kansas State College, seem very practical.

## What Caused Market Weakness?

In view of long-time yearly changes in the wheat market, there is a 2 to 1 chance later advances may be expected, following recent declines. A heavy movement of South American wheat caused weakness in the market, but this factor should disappear rapidly and clear the way for higher prices later. One bearish factor is disappearance of sleet and snow from Kansas wheat fields with forecast for a big winter wheat crop probably by March.

While hogs, cattle, sheep and horses all declined in members and total value on Kansas farms from January 1, 1936 to January 1, 1937, the same is certain to be true for every other state of livestock importance in the Corn Belt. Nebraska's report—just out—shows hogs, sheep and mules declined most, while all cattle are 12.7 per cent below the 1931-35 average level. East of the Mississippi river, declines in cattle on feed have been heavy. In any event, declines in livestock numbers, while traced directly to short feed crops, are a move toward more normal levels. We are "better off" with fewer head. At the same time quality has been greatly improved by culling. Hogs are an exception from point of numbers, being far below normal.

The fed lamb market is expected to reach a seasonal peak in March and April. There are fewer lambs on feed this year than last. The largest proportion were fattened in areas which normally market in January and February. Therefore fewer lambs are in the offing for this spring.

## The Weather Is Reverse

Central and Northern California have been having the most serious

## Market Barometer

**Cattle**—Some recovery felt but several weeks will be required for a reasonable comeback.

**Hogs**—Higher prices should be the rule.

**Lambs**—Some better next month.

**Wheat**—A steady market is probable.

**Corn**—Not much change.

**Butterfat**—Price steady if not very profitable.

**Poultry and Eggs**—Eggs showing more resistance than was expected and poultry a little stronger.

drouth conditions in many years, in the face of extremely severe winter weather thruout the Western country. This is a reverse situation from that prevailing the last few years, in which California has had good crops while the Corn Belt was suffering from short feed supplies. There is some possibility that after California's run of half-fat cattle is over, the Pacific market may help to bolster our Midwestern markets.

**T**HERE seem to be three courses open to poultry owners in order to avoid a heavy feed bill at losing prices for eggs. They might cull their flocks severely, market all birds not laying, feed the remainder a well-balanced ration, and hatch a sufficient number of chicks in March and April to fill the laying house next fall. Another plan is to let the flock have free range as soon as weather permits, feeding just enough whole grain for

# How a U. S. Farmer Sees Things On the Other Side of the Ocean

ROBERT C. VANCE

Moscow—The Red Square and a visit to Lenin. Article No. 10 in the travel series by Mr. Vance.

MOSCOW, the capital of Soviet Russia, proved to be the most interesting city I ever have visited. I was met at the railway station by a tourist-agency guide and taken to a new hotel. My room provided such luxuries as a writing desk, private bath and radio. Altho the ink at the desk ruined my fountain pen, there was no soap or towels in the bath and the radio did not work, I still appreciated the gesture.

Opening off the hotel lobby was a marble-and-onyx-finished subway station with a moving stairway to carry passengers down to the track level. The electric trains that travel this subway are the equal of any in the world. There were as many automobiles in the wide street that fronted the hotel as in any other city of Europe. Across the street from the hotel are the two new buildings of concrete and steel that house

Eight hundred years of history have passed thru this Red Square and of all of the characters who have marched in the parade, not one has changed the destiny of a nation or caused such a feeling of world-wide dread as has the little man who lies in state at the west side of the square.

Midway of the west side of the square, at the base of the Kremlin wall, is the tomb of Lenin. This mausoleum is a massive, truncated pyramid built of great blocks of red granite. On days when demonstrations are held in the Red Square, the flat top of this pyramid serves as a speaker's stand.

The tomb is not opened until 5 p. m., but a double line of people begins to form before the entrance shortly after the noon hour. I think that 2,000 or 3,000 people stand in this line daily. Foreigners, however, are not required to take their places in line. By exhibiting my tourist-agency coupon book to the officer in charge I was allowed to step into the line at the entrance, only to be hauled out again by the G. P. U.

in plain clothes and made to surrender the camera that I was carrying.

Back in line again I descended a flight of marble steps into a subterranean chamber. In the center of this chamber on a raised dais lay the body of Lenin. The line filed slowly past this dais, so close that I might have reached out and touched the glass coffin that enclosed the body. A strong electric light shone directly on the features. Preserved by some secret embalming process, this small man with the close-cropped hair and a 2-day growth of reddish beard stubble, seemed as if he had grown tired of the daily crowds that pass to pay him homage and had laid down to rest.

Directly back of Lenin's tomb and forming the west side of the Red Square is the Kremlin, the nerve center of Communism. It is built in the shape of a tri-

angle on the high left bank of the Moscow river. The Kremlin is surrounded by a high brick wall, three-quarters of a mile in length. The 19 watch towers interspaced along the top of the wall give it a medieval aspect. Set into niches in this wall, along the side of the Red Square, are funeral urns containing the ashes of three former



Thousands congregate in the Red Square every day waiting to go thru Lenin's tomb.

Americans. The careers of Bill Haywood, I. W. W. leader; Charles Ruthenberg, American Communist party leader; and Paxton Hibben, anarchist writer, ended there.

And might I suggest that this is a long wall where many such funeral urns might be accommodated. From among those who are now seeking to undermine our American government we might, with profit to ourselves, ship over to Moscow enough funeral ashes to finish this wall decoration.

### Forbidden to Take Picture

The largest cathedral within the Kremlin was built in the years 1475 to 1479. This building is oblong with an arched roof supported by columns and crowned by five gilded domes. Another cathedral known as the Archangel, was built in 1505. It is cubical in shape with five domes. The graves of the Russian Czars and princes are there.

Facing the group of churches is a large palace built in 1490 and used by the Czars for receptions given in the honor of foreign ambassadors. Another large palace occupies the northwest section, and a Military Academy and barracks are being constructed in the southwestern corner of the grounds. All of the buildings within the Kremlin are now occupied by the high executive committees of Soviet Russia.

Being the high governmental headquarters, the Kremlin is not opened to visitors. There also is a law against taking pictures of it. Standing on the bridge across the Moscow river, I had unlimbered my camera to take a picture when a mounted policeman rode up and, in the sign language, made me understand that he would have to knock my ears down if I didn't put the camera away. The picture appearing on this page I borrowed from a timid little school teacher from Boston. She snapped the picture while the policeman was talking to me.

At the south end of the Red Square is St. Basil's Cathedral, built by Ivan

the Terrible in 1564-69. Ivan must have been in a particularly terrible mood when he adopted this style of architecture. It is built of brick and stone with nine domes, carved and vividly colored, arranged in a spiral around a lofty central tower. Like most cathedrals in Soviet Russia, St. Basil's is now in use as an anti-religious museum.

The east side of the Red Square is occupied by the state theater. There is an enormous stage on which spectacles of unusual size are staged. A study of the theater posters gave me the impression that the theater is one of the many effective methods of propaganda in use by the Communist Party. All of the posters and descriptions of plays seemed to use the same plot.

First would be scenes showing the oppression of the workers in the days before the Revolution. Then Sonia would shoulder her rifle and march out with the boy friend to "liquidate" a few of the oppressors. The last scene would show Sonia and Ivan seated in some park of Culture and Rest looking over a world they had helped to make perfect. There would be a great deal of whip-cracking and pistol-shooting thruout the play, but no love-making. Even in the last act Sonia and Ivan do not hold hands, which is a bourgeois gesture.

### They Catch the Villain

Plays also are woven around the "Shock Troops of Industry," groups of workers who are shipped over the country from factory to factory to speed up production. In this story the play opens with a factory's being wrecked by sabotage. The villain who slips into the factory at night to put sand in the bearings is, of course, a German spy. Sonia and Ivan arrive with the Shock Troops when things are looking the worst. They catch the villain in the act and liquidate him by feeding him into the gadget machine. The last act shows Sonia and Ivan, sur-

(Continued on Page 7)



St. Basil's Cathedral at the south end of the Red Square. It was built in the period 1564 to 1568 by Ivan the Terrible.

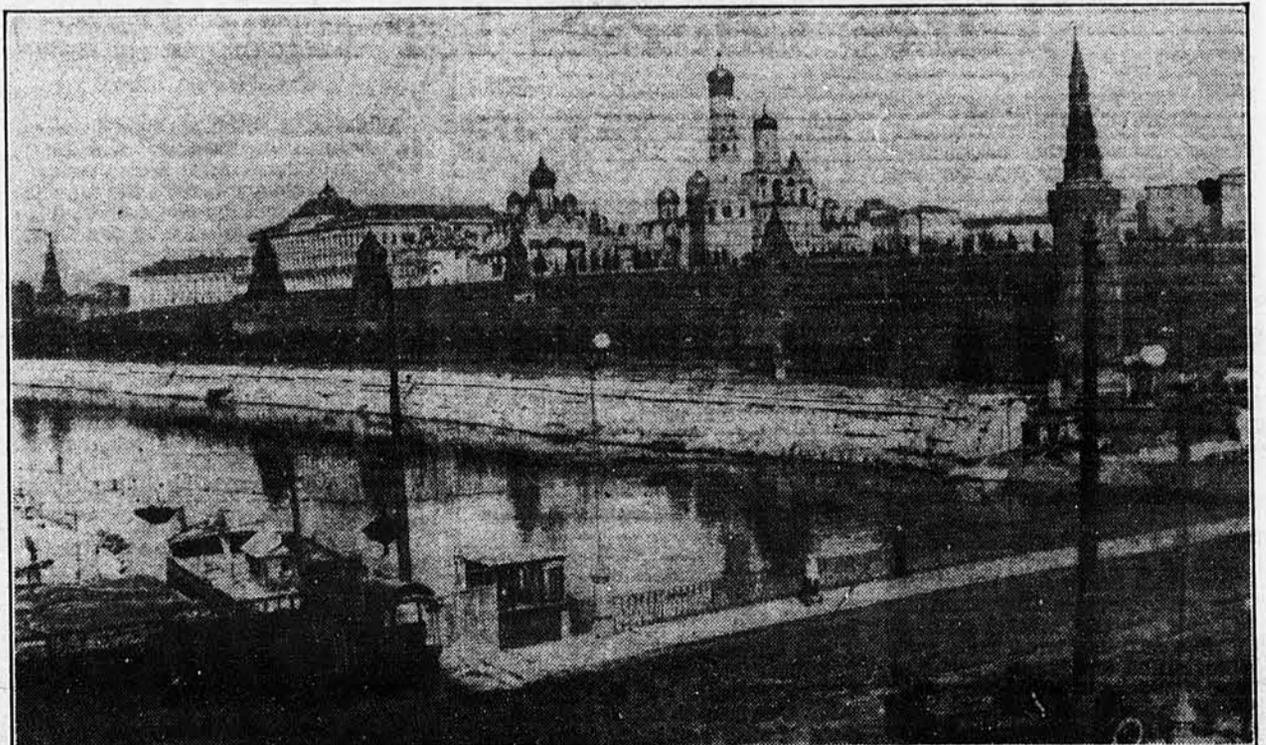
the post office and G. P. U., or Secret Police, each of skyscraper proportions.

A 3-minute walk will take the traveler to the narrow, cobble-stoned streets that follow the caravan trails of 8 centuries ago. There domestic life seems to turn its back upon the street, and one can only peep thru doorways in the thick walls into the deep inner courtyards of the ancient buildings. In sharp contrast with the grim, straight walls of these old buildings are the gilded domes of an occasional old mosque or cathedral.

### Many Racial Types Seen Here

In equal contrast are the types of people. As the capital city of a nation that includes one-sixth of the land surface of the world, Moscow is the gathering place for several distinct racial types, all citizens of Soviet Russia. Slant-eyed Mongols and fair-haired giants from the Ukraine; Turkoman and Slav; disciples of Communism visiting the city from all parts of the world; a turbaned giant from India, followed by his little brown wife; even a lonely colored boy from Georgia, who was as proud of the Hammer and Cycle badge on his lapel as he was of the red ribbon on his straw hat—all mingle together in the stream of humanity that passes in and out of the government offices.

The heart of Moscow is the Red Square. As far back as the 11th century this was a market place. Like the spokes in a wheel, the caravan trails radiated away from this spot to pass thru the many gates in the city walls. Streets then grew up along these trade roads and later became connected by cross streets. A map of the city resembles a great spider web broken here and there by the meandering of the Moscow river.



Illegal picture of the Kremlin from the Moscow river. While Vance engaged the policeman, a Boston school teacher snapped the picture.

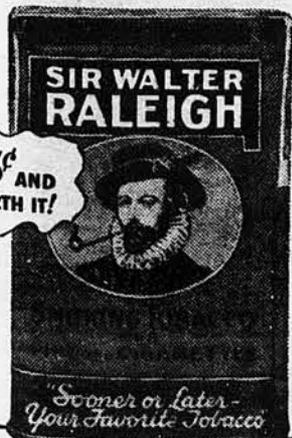
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HOW TO TAKE CARE OF YOUR PIPE

TUNE IN JACK PEARL (BARON MUENCHAUSEN) NBC BLUE NETWORK, MONDAYS 9:30 P. M., E. S. T.

## U. S. Farmer Sees Things

(Continued from Page 6)

rounded by their admiring comrades, reading aloud a letter from the Commissar of Gadgets, to the effect that the plant has produced the greatest tonnage of gadgets in its history and were just getting started.

In fact, everything that is handed to the common people of Russia is first run thru the propaganda mill and made to serve a purpose in stirring up wartime frenzy in time of peace. A good example of this was the trial of a group of 16 men who were charged with complicity in the murder of one Sergei Kirov. I do not wish to identify the man who gave me the information on this trial, but I believe him to be reliable; it is his business to be informed on the happenings of Russia's capital city.

### Were Shot Without Trial

Kirov was one of Stalin's trusted lieutenants who was assassinated last June. At that time 95 suspects of complicity in the assassination were rounded up and shot without trial. Sixteen other suspects were spared from this mass execution and told that if they would plead guilty and throw themselves upon the mercy of the court they would be given a trial. Their trial occurred while I was in Moscow. As copies of the Moscow Daily News are obtainable in English I was able to follow the newspaper account of the trial.

Every one of the 16 men pleaded guilty. Not one asked for mercy or tried in any manner to justify his act. Yet the trial dragged on day after day. Daily the press mentioned the defendants by name and credited them with such remarks as "Whatever sentence the court chooses to give me, it will still not be severe enough by half," or "I cannot understand why so vile a creature as myself was ever born," or "I now look upon myself as a creature more dangerous to society than a rabid dog."

### A Few "Government" Headlines

During the last days of the trial the newspaper columns were almost entirely filled with letters from the trade unions and collective farms demanding that the defendants be executed. Here are a few of the headlines picked at random from one issue of the Moscow Daily News: "People of All Walks of Life Rally Against the Assassins," "Treason and Betrayal, Say Voronezh Farmers," "Scientists Voice Anger at Conspiracy," "The Rabid Dogs Must Be Shot to The Last One."

On the last day of the trial the State Prosecutor spoke for 4 hours. His speech was printed in full and filled 17 columns of the Moscow Daily News. A verdict of "guilty" for all 16 men came at 3 o'clock in the morning. At 8 o'clock of that same morning I chanced to meet a foreign newspaper correspondent in the hotel restaurant.

"When will those men be executed?" I asked. "Or will they be given another trial?"

"They already have been executed," he answered. "They were shot at daylight this morning."

Those men had been condemned from the moment of their arrest. In fact, they were doomed at the moment they were even suspected of complicity in the plot. The entire trial had been staged only to keep the people stirred up.

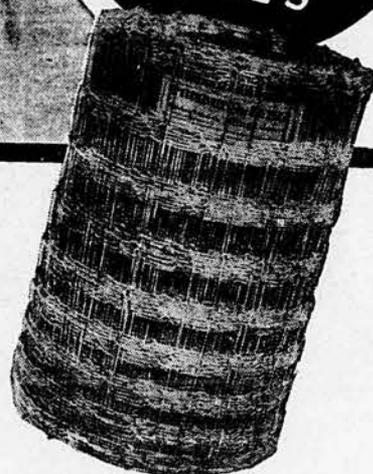
In the next story we will visit the People's Court and look into the marriage and divorce business.

### Two Rains Make Good Crop

Terraces gave surprising results on B. F. Brinkman's farm, Greeley county, last year. On an 80-acre field in 1935, he raised some good feed in the low spot of the field, but on the upper slope the crop was a complete failure. In 1936, Mr. Brinkman had the field terraced and worked it in the spring with a duckfoot cultivator used on the contour. Only two rains fell on the field, but by means of the terraces and contour cultivation which held the moisture, a good, even sorghum crop was harvested from the entire field.



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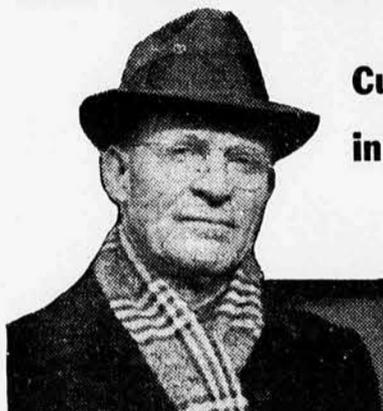
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"With high compression, good gasoline is more economical than ever," says Merritt Klopfenstein of Dundee, Michigan, who farms 260 acres. Mrs. Klopfenstein runs the Sunny Ridge Hatchery, with a 40,000-chick capacity, making a specialty of ducklings and turkey poults.

THE economy of good gasoline is an old story to Merritt Klopfenstein, Dundee, Michigan. He's been using it more than ten years in his old low compression tractor, and has only had the valves ground twice and no major repairs. But the performance of his new high compression Oliver "70" opened his eyes.

He writes, "I've done my first full season's work with my high compression Oliver '70' and it's more economical, more powerful, and covers the ground faster. For example, I cultivated 26 acres of corn from 7 o'clock at night to 3 o'clock in the morning, and in eight hours steady work, used only one-half a gallon of gasoline to the acre.

When I used my new Oliver and

my old tractor together, the Oliver made four rounds of the field to the other's three. Our first high compression tractor has proved to us that good gasoline is more economical than ever, and that is why we are going to trade our old low compression tractor for another new high compression Oliver Rowcrop "70."

Good gasoline in your car, truck or tractor steps up the useful power, gets work done faster, eliminates costly repairs, and in your tractor, cuts oil dilution by as much as two-thirds. Get this added economy, performance, and speed by using regular grade gasoline.

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## Growing Hybrid Corn in Kansas

DR. A. M. BRUNSON, Kansas State College

A GOOD many inquiries are coming from Kansas farmers this winter relative to planting hybrid corn. These inquiries have mostly resulted from the stories of success with hybrid corn in Iowa, Illinois and other Corn Belt states.

Thus far hybrids released for commercial production have been tried many times at Manhattan and in other parts of the state. They have been tested in co-operative tests conducted on farms, representing the best corn producing sections of the state.

In good years, some of the hybrids so tested have produced higher yields than the best adapted, open-pollinated varieties, altho grown at a considerable distance from the localities where they were produced and for which they are best adapted. In years of medium production there is very little difference between the yields of these hybrids and the open-pollinated varieties. In unfavorable years, however, such as the last three seasons, they have not shown up as well in comparative yield trials as have our best open-pollinated varieties, such as Midland Yellow Dent, Hays Golden and Pride of Saline.

For this reason the Kansas Agricultural Experiment Station has not recommended the use of these imported hybrids for our conditions as a general practice; altho there may be a question in some of the northeastern counties where conditions of soil and climate most nearly approach those of the Corn Belt proper, that the use of some of the longest season commercial hybrids available would be justified.

The Kansas station has been working for several years on the production of hybrids suitable for Kansas conditions. Results indicate hybrids can be produced for our conditions which are as much superior to our open-pollinated varieties as the Iowa

and Illinois hybrids are superior to their own local varieties. Thus far, however, none of these hybrids have been released for commercial production. The crop failures of the last 3 years have not only interfered seriously with yield tests and comparisons necessary to establish the superiority of a new hybrid, but also have so seriously depleted the breeding stocks it will require at least one good year before material for tests again will be available.

### Early Weevil Treatment

Wheat and kafir which have been stored in open bins all winter may be infested with weevil by spring unless care is taken to prevent it. Just as soon as warm weather comes, any weevils which have been dormant during the winter will begin to multiply rapidly. Moving the wheat in cold weather will cool the wheat so that no weevils will work until warm weather. Then as warm weather comes the grain should be fumigated with carbonbisulphide, recommends E. G. Kelly, Kansas State insect specialist. Fumigation is not difficult but must be done carefully. If you wish to treat your grain for weevils send to the extension service, Kansas State College, now for free directions.

### Contour Sorghum Did Well

Sorghum planted on the contour made more growth during the dry, hot weather than most fields. Guy Antrim, Spivey, had a field of this kind and it produced considerable mature seed last fall. The seed had to be hand selected, however. Sorghum seed ordinarily doesn't have to be ripe to make good seed. If it is dry enough not to "squir" when pressed between the fingers, it should be worth saving.

## We Learn More About Molasses

TUDOR CHARLES

SEVERAL Kansas cattlemen are successfully self-feeding molasses.

I first ran across an example of this in O. F. McGonigle's feedlot near Nickerson. He had a herd of 60 finished steers running to molasses tanks. They also were being fed several pounds of cottonseed meal and a small feed of ground corn daily. He said he had no trouble getting them on full feed of molasses, but had worked them up slowly for about 30 days, by pouring the molasses over the cottonseed, corn and silage. Mr. McGonigle also was feeding a carload of cows the same ration.

The next day I noticed several purebred bulls in E. A. Stevenson's pens near Kingsdown, lapping molasses from a wash tub. He said he had 300 heifers on similar feed on wheat pasture. He had no trouble whatsoever getting them started, simply letting them run to the molasses tanks while on good pasture.

With these two recommendations we decided to try self-feeding molasses to 60 head of yearling heifers we are fattening on our farm at Republic. We increased the daily cottonseed feed to 5

pounds apiece, changed from alfalfa to wheat straw, and increased the hand-fed molasses to 3 pounds daily a head. This change took about a week, then we let them run to a tank of molasses and they have done fine. Not a bit of scouring and they are drinking and eating heavier. They are eating about 8 pounds of molasses daily.

We feed about half the cottonseed screenings on a feed of silage in the morning, then open the molasses tank which has a temporary cover to keep out dust, trash and snow. We thought the cover might prevent the cattle from eating too much molasses first thing in the morning before they got their other feed. In the late afternoon we feed some wheat straw and the remainder of the cottonseed.

Mr. McGonigle believes pure molasses is safer to self-feed than if mixed with water, as cattle will lap it, but not try to drink the mixture. He has a tank on his truck made from an old water wagon belonging to a thresher outfit. He hauls molasses in the bulk from a railroad tank car. His tank is equipped with a 3-inch nozzle so the molasses drains rapidly.



Pure molasses before the steers in O. F. McGonigle's feedlot, Reno county. They also are being fed ground corn, cottonseed meal and silage.

## Early Seeded Oats Add 20 Bushels

SEED Kanota oats early, urge Dr. John H. Parker and A. L. Clapp, plant specialists of Kansas State College. They offer conclusive experimental evidence to back up their argument. Dr. Parker said oats should be seeded in Kansas to get the highest yield just as soon as the farmer "feels it in his bones" that spring has come and he can work the ground. Kanota oats especially needs to be planted early. In Oklahoma and Texas, Kanota is grown as a winter oats and if seeded too late in Kansas may assume a semi-spreading habit of growth, characteristic of winter oats.

Comparisons in yields of Kanota oats at the plant breeding nursery at Manhattan for 5 seasons, are:

Bushels to Acre	Normal date		Late date
	1932	1933	
1932	72.3	26.2	
1933	33.8	15.5	
1934	13.2	0.0	
1935	69.5	57.0	
1936	52.7	42.3	
5-year av.	48.3	28.2	

There is an average difference of 20 bushels in favor of early planting. There also was a difference in test weight in favor of early oats. Dr. S. C. Salmon, formerly of Kansas State College, found in tests from 1925 to 1927, that oats seeded before March 15 yielded 45.6 bushels on the average, while those seeded after March 31 made only 21.4 bushels.

The fact many Kansas farmers are heeding the experience of early oats seeding is evidenced by reports from Harper county farmers at Farm and Home Week this year. On February 10, Henry Duwe, Freeport, and several of his neighbors said farmers had begun oats seeding. Dry, hot Junes of recent years have discouraged hope of spring grain yields from late seeding.

### New Ideas in Cow Testing

A. B. NYSTROM

Milk and butterfat records of individual cows long have been used as a basis for culling out low producers. But despite all this culling we still are breeding low producers—animals that must be culled from our herds. We must cull our bulls, too.

Proving a bull means getting a measure of his transmitting ability. A bull is proved thru the performance of his offspring, usually the production records of his daughters. The greater the number of daughters out of different dams, the better the picture of the bull's transmitting ability. A bull that always gets high-producing daughters is without doubt consistently transmitting the factors for high production to all his offspring.

When bulls are selected on the basis of pedigree and individuality, as has been done by breeders generally for many years, only one in three proves good. When proved-sire records are used as a basis for sire selection, good sires are selected three times out of four.

The extension section of the American Dairy Science Association last summer approved a plan whereby all bulls in dairy herd improvement association herds would be automatically proved as soon as their daughters on test had finished their first 305-day lactation. This plan is now in operation. By this means the individual animals, both male and female, that possess and transmit an inheritance for high-producing capacity may be located.

### Poor Roads Are Costly

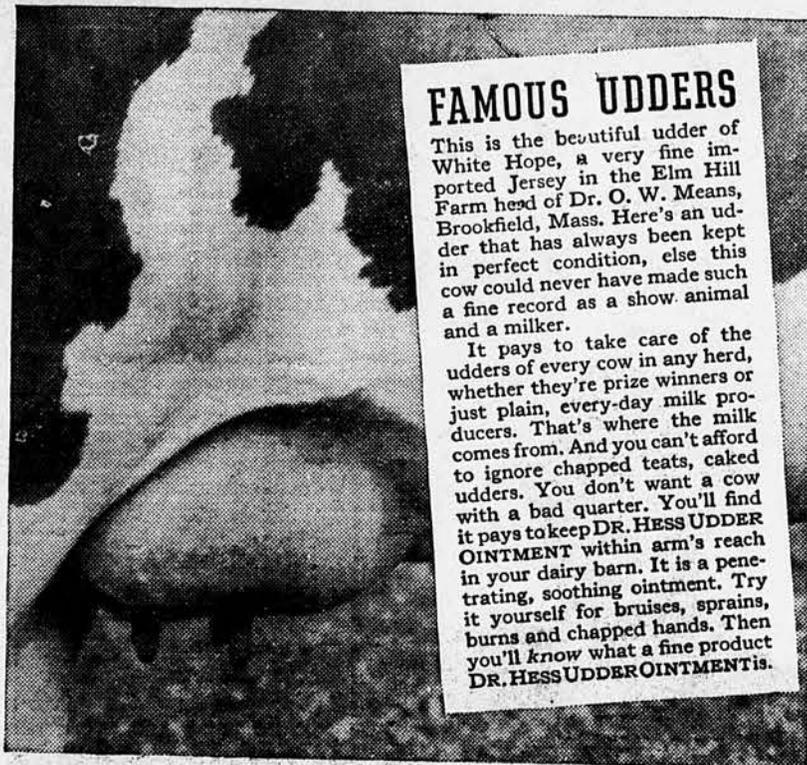
Senator Capper: I fully agree with you on your stand for us farmers and wish to thank you for your valiant fight for our rights, and may God speed you on in your good work. Now in regard to the poor roads being costly to the farmer. That is a fact few of our law-makers realize outside of the farmers themselves. While all of this money is spent on all-weather roads, yet the poor farmers get but little benefit out of it. He still has to pull and fight his way thru mud roads to get to markets.

I have about 8 miles of mud roads to travel to get to town. Of course, his last year the drouth and grasshoppers saved us from hauling anything to market. But it is my belief that while all this money is spent on

the roads, if they would spend it in making all of the mail routes all-weather roads—as the mail carrier always comes from town and returns to town, passing as close to the farm house as possible—that would make an all-weather road for the farmer to market, and then when the road is completed, cut the carrier's wages, as \$200 a month is too high on an all-weather road. Let this saving go toward paying for building the road. I would like to see this in operation as it would not only give all the poor farmers work, but give nearly all of them an all-weather road to and from market. We feel we are not getting our rights when the ones who do not produce a thing ride on nice, all-weather roads, while farmers have to pull thru mud.—L. A. Young, Blaine.

### Corn Borer Moves Along

The European corn borer didn't get much farther west than its Indiana and Michigan limits last year, altho it held its own. It did, however, migrate south as far as Virginia, which adds much concern on the part of Virginia farmers, just as it adds concern to farmers in other states where it has spread. It may reach Kansas in time, but the longer it stays away still will make its appearance here too soon.



### FAMOUS UDDERS

This is the beautiful udder of White Hope, a very fine imported Jersey in the Elm Hill Farm herd of Dr. O. W. Means, Brookfield, Mass. Here's an udder that has always been kept in perfect condition, else this cow could never have made such a fine record as a show animal and a milker.

It pays to take care of the udders of every cow in any herd, whether they're prize winners or just plain, every-day milk producers. That's where the milk comes from. And you can't afford to ignore chapped teats, caked udders. You don't want a cow with a bad quarter. You'll find it pays to keep DR. HESS UDDER OINTMENT within arm's reach in your dairy barn. It is a penetrating, soothing ointment. Try it yourself for bruises, sprains, burns and chapped hands. Then you'll know what a fine product DR. HESS UDDER OINTMENT is.

Mention Kansas Farmer when writing to advertisers. It identifies you and insures prompt service.

## Bank on McCormick-Deering Tillage Tools for the Best Work

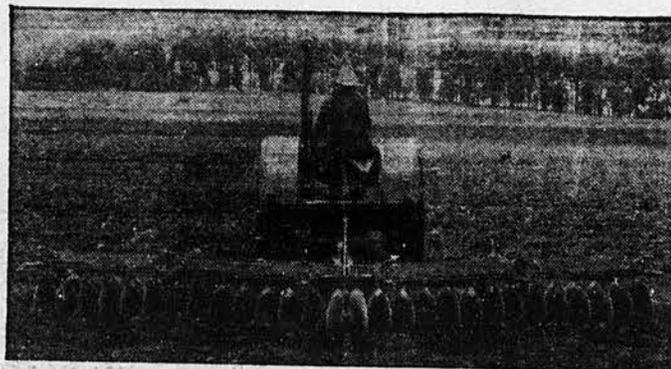
● Crossed-draft connections that provide quick angling and accurate trailing . . . heat-treated, heavy-gauge crimped-center disks which are exclusive with McCormick-Deering . . . truss-type angle steel frames with heavy steel gussets—these are a few of the reasons why McCormick-Deering Tractor Disk Harrows offer you the most for your money in every way. Various models for making the most efficient use of the power of your tractor are available in the McCormick-Deering line. And there are the wide-type disk harrows, and the offset type for orchard and grove work.

McCormick-Deering Tillage Tools also include various other types of harrows, soil pulverizers, rotary hoes, field cultivators, rod weeders, land packers, and harrow plows for horse or tractor operation.

See the McCormick-Deering dealer and look into the tools designed to meet your particular needs. Check the value built into the McCormick-Deering line—then you will see why it is to your advantage to invest in this equipment.

### INTERNATIONAL HARVESTER COMPANY

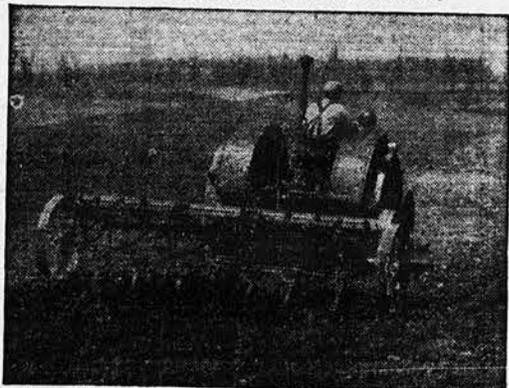
606 So. Michigan Ave. (INCORPORATED) Chicago, Illinois



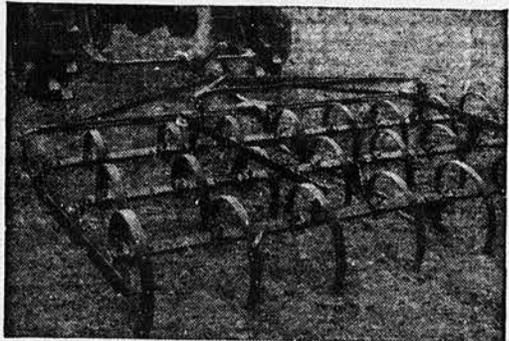
Above: The McCormick-Deering 15-foot wide-type disk harrow disks four rows at a time, leaving ample space for lapping. It is easy to fold for passing through narrow gates and for storing.



Above: The McCormick-Deering No. 9 Tractor Disk Harrow. Also available are the No. 10—a lighter weight harrow, and the No. 11—a heavy-duty harrow. All feature strong, sturdy construction to stand up under all kinds of conditions.



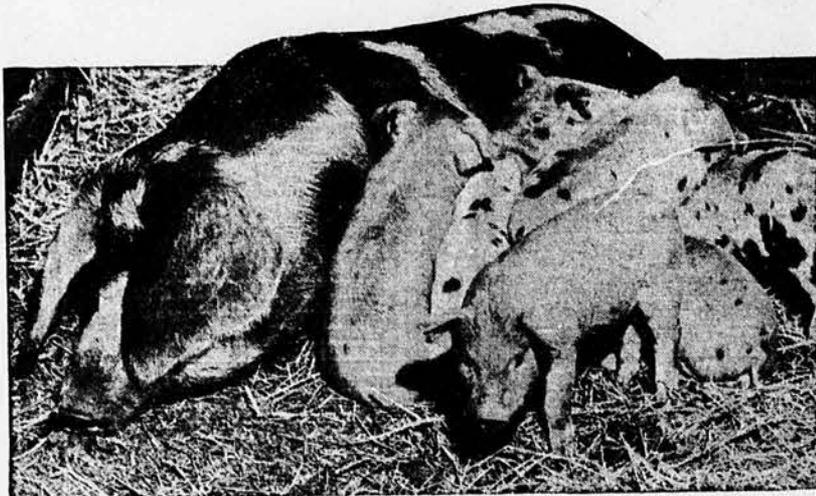
Above: The new McCormick-Deering No. 8 Field Cultivator is built in six sizes for preparing seed beds, killing weeds, renovating alfalfa, orchard work, summer fallowing, etc. It meets the requirements of basin-listed land better than any other tool.



Above: One of the newer harrows in the McCormick-Deering line is the self-clearing tractor spring-tooth harrow that tractor owners like because it is built strong for the power and speed of tractor operation.

# MCCORMICK-DEERING

# TROUBLES AT PIGGING TIME



POOR litters, anemia, hairless pigs, weaklings and runts, sows that lose their pigs—these are some of the troubles that can come along at pigging time. All of these troubles can be caused by mineral deficiency.

Feed Dr. Hess Hog Special to your sows regularly every day for at least a month before farrowing. It supplies all the minerals any hog ever needs. It is particularly plentiful in iron, iodine, copper, calcium, phosphorus—minerals that are almost a necessity to healthy litters and that are often lacking in even the best of rations. In addition, Hog Special

contains conditioning properties that help put a sow's insides in readiness for farrowing.

It'll cost you very little to take this extra safeguard against troubles at pigging time—only 10½ cents per sow per month. So get Hog Special from your Dr. Hess dealer. Dr. Hess & Clark, Inc., Ashland, Ohio.

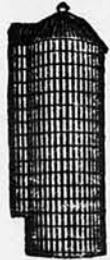
### RESEARCH FARM TESTED

Dr. Hess Products are always on test at our Research Farm. We are always looking, searching—finding ways to make them better. We don't expect this work ever to be completed. There are always new and better ways of doing things. Don't you find it that way on your own farm?

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A small deposit and easy monthly payments will put this long-life Separator to work for you. See your dealer or mail the coupon.

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Gentlemen: Please send me free illustrated folder describing the Perfection Gold Star Cream Separator ( ). Also details of your monthly payment offer ( ). I have had my present separator for ..... years. I milk ..... cows.  
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Horses can't tell you what relief Absorbine brings. But they can show you by the way they work. Nothing like it for sprains, strains, swellings. Never blisters—never removes hair. And horse can work while you use it. Great antiseptic for cuts, boils, sores. \$2.50 at all druggists. W. F. Young, Inc., Springfield, Mass.

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LeJay Light Plants save light bills. Being pioneers in the wind electric field we have developed improved self-controlled economical electric systems that make low cost electric power. 6-12-32 and 110 volt plants.

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2 Cylinders - 5 H. P.  
It Plows, Harrows, Cultivates, Seeds, Mows, Pulls Loads, etc.  
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2151 E. Henn. Ave., Minneapolis, Minn.

## Here Is This Season's Favored Fruit Growing Spot in U. S.

JAMES SENTER BRAZELTON  
Echo Glen Farm, Doniphan County

WE ARE sitting pretty. For the moment this is God's favored spot. We do not wish to appear elated over another's loss, for one can never know where disaster will strike next. But the floods in the Mississippi and the Ohio valleys, freezes in California and abnormally warm weather in the Southeastern states provide a setting very much in our favor provided, of course, we do not get a late, damaging frost. We must not crow too soon, however.

To get an accurate estimate of the actual damage to citrus growers from the severe cold spells in California is almost impossible. At least we shall not have cheap grapefruit and oranges to compete with our cold storage apples next January and February. Many fruit buds in Oregon are black as a result of a severe freeze following a period of growing weather. Authorities in Utah fear fruit trees have been winter-killed by temperatures that went as low as 40 degrees and more below zero in some sections. Cold weather has damaged pecan, apricot and cherry buds around Wenatchee, Wash.

In the South it is the opposite extreme. In West Virginia, where the temperatures have been ranging around 60 degrees during the day, growers are worrying about a premature movement of the sap that would invite ruination if low temperatures followed. Georgia is experiencing a like condition of abnormally warm weather and the peach growers wear a worried look, for the trees are budding. Florida growers are apprehensive over the warm weather where temperatures have been running from 15 to 20 degrees higher than normal. Sap is rising rapidly in the citrus groves and should the temperatures drop suddenly to the freezing point, the trees would suffer heavy damage.

The commercial orchardists in Pike, Jersey and Calhoun counties in Illinois report heavy damage from ice to peach, cherry and apricot trees. The "ice age" recently experienced here has been responsible, more or less, for sun scald damage, serious on young trees especially.

### Orchard Still Pays Best

C. A. Meidinger, thrifty fruit grower and farmer living near Wathena, says "I still think the orchard industry is about the best thing to get into right now. We haven't 'hit' for 5 years, but if a person does hit once in awhile an orchard will make more money than anything else I know." Prospects for a fine fruit crop in this section were

never better. Altho winter is not over, we probably will experience no more bitter cold weather, or at least it cannot be of long duration. January and most of February up to the time this is written could scarcely be considered mild, yet we have had virtually no sub-zero temperatures. Fruit buds would not have to be especially hardy to withstand such conditions as we have had so far.

### Late Berries Are Larger

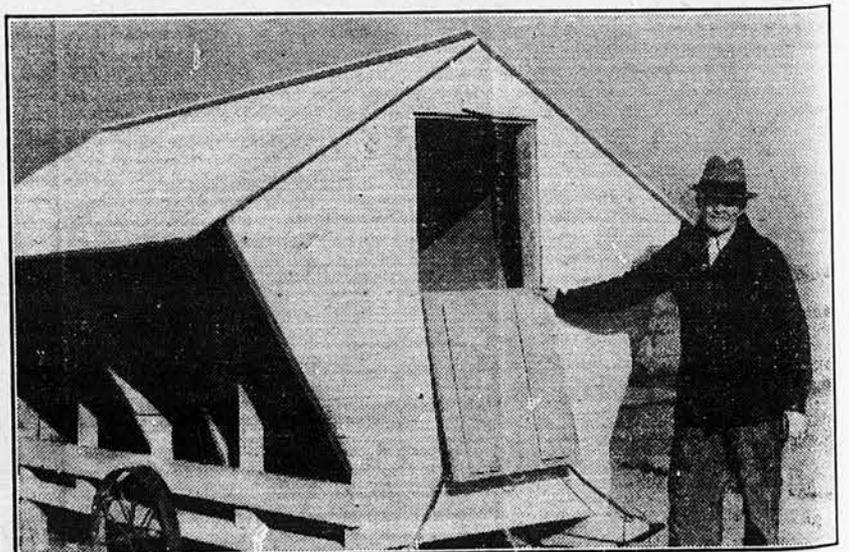
Raspberry pruning on this farm generally is delayed until spring so the extent of possible winter injury may be determined. If the canes in our half-acre planting of Latham red raspberries kill back from one-half to two-thirds each winter we think nothing of it; for at pruning time we would cut them back equally as much. Slashing so drastically delays the harvest 2 or 3 weeks but the fruit is of better quality because the buds farther down the cane produce larger berries than do those near the tip.

Buds for next summer's crop are borne in the axils of this year's leaves and the bigger the leaves the bigger the buds. The fruit near the tip, being more exposed to light and air, is the first to ripen. In so doing it draws nourishment from the larger buds farther down, often preventing them from ripening. Shearing off the tips of the canes removes these weaker buds, much to the advantage of those that remain.

### Plants Made Good Come-Back

My 2-acre planting of black raspberries killed back to the ground last winter. The dead canes were mowed with a scythe and removed from the patch. The plants made a good come-back this summer, and if the remainder of the winter does not get too severe we hope to produce a crop of raspberries again. Early this spring, just after the buds have begun to swell, the number of canes to each plant will be thinned so that only 5 or 6 remain. To leave more would result in less vigorous growth and berries of poorer quality. To prevent overbearing, the side branches, called laterals, growing on these selected canes are cut back to from 12 to 18 inches. Where the canes are small we leave not more than 2 buds to each lateral, while the larger canes can carry as many as 6 buds to a lateral. The fruit is borne on current season growth which starts from these buds. The number and size of the berries, therefore, may be controlled by the number of buds left on them.

## Just the Right Place for a Creep



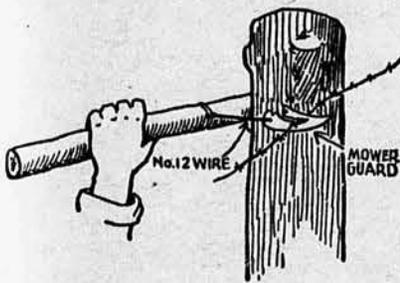
E. D. Stout, Emporia, and a movable calf feeder used in his pasture.

A CREEP-FEEDER sits in a calf creep between two pastures on E. D. Stout's farm, near Emporia. The calves run to grain there all during the grazing season. The creep sits right beside the pond where the cattle drink from a tank below the dam. Mr. Stout has his pasture divided almost equally and grazes it alternately. This gives greater carrying capacity than he was ever able to get when it was grazed as a whole.

# Ideas That Will Come in Handy

BY FARM FOLKS

## Emergency Wire Stretcher



It often is desirable to have an extra wire stretcher around the place for an emergency. Our extra one was made by twisting one end of a short length of No. 12 wire around a stout stick and passing the other end thru the small hole in the round end of an old mower guard, leaving about 6 inches of wire between the two. The wire to be tightened is slipped thru the mower guard and the stick is enclosed behind the post, pulling the wire taut.—B. E. M.

## My Hanging Cupboard

One of my most valued conveniences is a cupboard my husband built in the cellar for me. It is quite a simple affair, 24 by 30 inches and 30 inches high. Only the corner pieces, door frames, shelves and top, are of wood and they were taken from a dry goods box. All four sides, including the door, are covered with window screening. It is suspended in mid-air from the rafters above, and further strengthened by being nailed along one side to a post which stands as a support in the cellar. Foods placed within get the benefit of all the air, yet cannot be reached by rats, mice or bugs. It is so placed that the door opens onto the stairs and is easily reached from the kitchen.—C. B.

## My Stovepipe Crimper

After a piece of stovepipe has been cut off, it cannot be used until the cut end has been crimped. The crimping gives it a taper so the next joint will slip over it.

Bend a steel bolt at right angles, using care not to damage the end threads. Slip on a fine-toothed gear—such as a Model T Ford timing gear—and screw up the nut. Lay stovepipe on its side on a soft wooden block. Place tool inside of pipe at the end and tap end of bolt with the hammer. Go around the entire end of pipe.—R. W. Taylor.

## Rubber Dipped Gloves

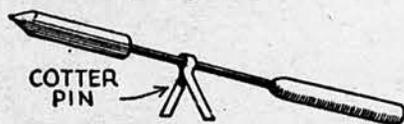
The canvas gloves which have been dipped in rubber are just the thing for wearing when handling wood, brick, rocks or lumber. One can safely pick up briars and brush with them. After they have been worn a few hours, I roughen the face of the thumbs and fingers with sandpaper and apply rubber cement. Then from a tire patching

kit I cut strips of patching material and apply to wearing surfaces. This gives a double surface which will wear much better. When small holes or splits appear, they likewise can be patched.—R. W. Taylor.

## Does Away With Knot

A quick and neat method of fastening rope to snaps and rings, is to pass the rope thru the ring and loop it back 6 inches. Put 4 hog rings around the double part of the rope and take the hog ringers and clamp as tightly as you can. This does away with a knot and keeps it from unraveling.—J. E. B.

## Soldering Iron Support



A heavy cotter pin slipped over the handle of a soldering iron and tightened enough to support it, but left loose enough to turn easily—so the legs will always be down—makes a dandy support for the tool. There is then no danger of scorched boards or possible fires resulting from the hot iron.—B. E. M.

## Also Stops Noise

To prevent chairs from scratching and marring varnished floors or linoleum, attach rubber crutch tips to the bottoms of the chair legs.—B. V. N.

## Paraffin Flower Tabs

Most flower lovers like to know the variety names of their plants. I write the name on a strip of white cloth with indelible ink, then dip in melted paraffin. In this way, weather will not dim. This is especially fine for chrysanthemums and plants left in the ground.—Mrs. P. L.

## Tire Pump Cleans Drill

To clean seed out of the grain droppers and flutes of a grain drill, you can use a tire pump. This will get every seed and particle of trash or earth. After blowing the mechanism clean, it is a good idea to put some kerosene with a little machine oil in it, in the gears. This may check rusting.

## Paint Doesn't Drip

When painting anything higher than the arm, avoid the waste and discomfort caused by the paint running down the handle of the brush by cutting a hollow rubber ball in two and forcing the handle thru a small hole in the middle of the resulting rubber cup. Hands and paint both are saved by this device.—D. K.

# You Can Help With Pastures

KANSAS FARMER announces another big pasture contest for 1937. Every farmer who completes his pasture plan will be given the opportunity to have his pasture inspected by the committee of judges. Prizes amounting to \$250 will be given the first 10 winners by Kansas Farmer. Counties which win outstanding recognition because of their interest or accomplishments, will be honored by a local "feed" and general good time for those in the pasture work.

If you wish to have a part in rebuilding the grazing lands of Kansas, send in your name and address to Kansas Farmer, Topeka, and we will send you complete rules for entering the contest. Just follow your own pasture plan, whatever it may be. There are no restrictions on the measures you may use.

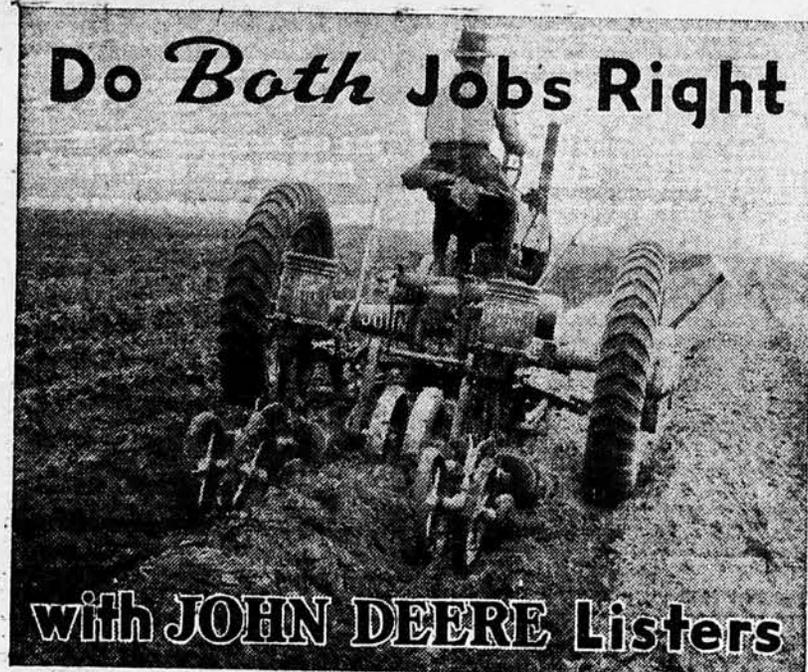
The contest area is west of the line running along the west side of Washington, Clay, Dickinson, Marion, Butler and Cowley counties.

Kansas Farmer,  
Topeka, Kansas.

Please send me rules and entry blanks for the Pasture Rotation Contest being sponsored by Kansas Farmer, for farmers in Central and Western Kansas.

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

County.....



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John Deere Listers give you much more than good plowing and accurate planting; they give you the simplicity of design, sturdiness of construction, and ease of operation that have made John Deere Listers famous.

Investigate the integral or unit listers available for your John Deere Model "A" or "B" Tractor. In them, extreme ease of adjustment is

combined with the ease of operation made possible by the John Deere hydraulic power lift, which uses tractor power to raise and lower the equipment—you save time because you can make the turns without stopping; you save effort because the tractor does the heavy work of raising the lister.

If you prefer a pull-type lister for your two-plow tractor, the new John Deere No. 720 Series two-row lister will meet your requirements. For larger tractors, the John Deere No. 630 Series three-row still holds its leadership established years ago by its better performance in all conditions. Both of these listers give you the strength and rigidity of sturdily braced, heat-treated beaded steel beams; the convenience of the inclosed John Deere power lift—simple, positive, long-lived—and the advantages of easy adjustability to various row-widths.

See John Deere Listers at your John Deere dealer's; check them over completely; make any comparison you care to make; you'll see why John Deere listers do both the plowing and the planting jobs right, and for years to come. Mail the coupon below for literature.



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John Deere Gave to the World  
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John Deere, Moline, Illinois. Dept. L-11  
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# Spring Styles Take on Frills

JANE ALDEN

IN THE recent big Hollywood Fashion Show featuring studio designs that are sure to influence present and future styles, Orry-Kelly, famous Warner Brothers' designer, stressed the Persian draped influence in several of his Kay Francis costumes from "Stolen Holiday."

Persian turbans, such as Miss Francis wears, will make a particular hit this season, and the draped neckline of her frock is such a flattering one that many women will include the idea in their spring dressmaking or buying plans. Sleeves will show this same subtle Persian influence. Swathed Oriental sandals will have their counterpart in modern spring and summer footwear.

For the last year the popularity of draping as applied to hats, sandal straps, necklines, and sleeves has been growing with style designers. And it all started because Alix, Parisian couturier famous for starting things in the way of new style trends, has been creating exquisitely draped clothes since . . . but there, let me tell you the story as I saw it develop.

It was last spring in Paris. The day was a pale washed blue, flickering with gold and silver as the rain continuously blew up to streak the sunshine from the sky and bring out the luminous glow of upright horse chestnut blooms against dark wet leaves. To me the chill winy air was doubly intoxicating because I was on my way to see, among other fashion collections, that of the very famous Alix.

At tea in the Ritz Gardens that same afternoon . . . I sat in a vague state of absent-mindedness brought on by having seen too many inspiring clothes in one small day . . . clothes that would indeed "start something" in the fashion world. I even so far forgot myself as to succumb to a wedge of the famous Ritz fudge cake, before I was aroused from my abstraction by four fashion friends who breezed in, wanting to talk about the new Alix collection.

Before my mind's eye the swaying, exotic mannequins began their parade again; gleaming stiffened brocade tunics that flared over slim skirts, flaming red cloaks, subtly draped scarves, rich Oriental colorings and patterns, silk jerseys draped in Grecian style, and svelte molten cire satins that sculptured the curves of the body into smooth flowing grace.

Evidently the beauty of these new looking clothes had inspired the others as well! Dora Miller, who writes for Liberty and scores of other magazines, set down her tea cup for an ecstatic observation: "Ah, those lovely draped effects, some Grecian, some Oriental in inspiration . . . they will help develop the new feeling for femininity in clothes." Someone else prophesied right then that we would have swathed turbans and sandals as well as draped necks and sleeves . . . within the next six months.

There followed a hubbub of speculation as to just how soon these draped effects would be applied to modern dress in general. We decided that the trend was naturally advancing along more feminine lines, and that buyers would see this subtle draping as delightfully expressive of the new trend. They did, and bought. And the fashion stylists and writers commenced writing with increased enthusiasm about the trend toward femininity in American women's clothes. Newspapers throughout the United States picked it up, and designers the world over started bringing out lovely interpretations of the feminine mode.

Of course, the draped feeling in clothes is only one expression of the growing style trend toward femininity. You will find coats, dresses, and suits with pleated or gored swing in the skirts, loads of crisp, dainty trimmings, colorful embroideries, and low necklines wearing frills . . . all of which spell the eternal feminine!

To fit in with this frilly, swishy, fem-

## Work for Pleasure

Work thou for pleasure; paint or sing or carve  
The thing thou lovest, tho the body starve.  
Who works for glory misses oft the goal;  
Who works for money coins his very soul.  
Work for work's sake then, and it well may be  
That these things shall be added unto thee.

—Kenyon Cox.

ine feeling of your wardrobe, however . . . you will want something draped. It may be a smoothly wound turban for your curls, wrapped sandals, a draped shoulder, sleeve, or neckline. But something draped you must have, as it was the draped loveliness of Alix's Grecian and Oriental clothes that helped along this flow of favor for the softly feminine in our new season's offerings.

(Copyright, Edanell Features, Inc., 1937)

## We Made an Extra Closet

MRS. E. C. M.

We moved into a house, one bedroom of which had no closet. As this room was for a child, a short closet would serve nicely. So we took the upper part of a dish cupboard, removed the shelves and lined it with gay cretonne, to make it more nearly dust-proof. Short rods of convenient lengths were sawed from an old broom handle and nailed in, on either side, running front to back. These rods accommodate a number of clothes hangers upon which garments may be hung. Shoes rest on the floor of the cupboard. Two small drawers underneath, formerly used for tea towels and silver, accommodate socks, hankies and underwear. Two dainty curtains hung over the glass panels of the doors complete a very handy closet.

## Winter Time Crackling Dishes

MRS. NELLE P. DAVIS

AFTER butchering days are over and the pork has been smoked, salted, fried down or made into sausage, there are always leftovers, consisting of fat scraps with perhaps a few streaks of lean. These are fried out, leaving crisp bits of cracklings. On most farms these are used for soap or fed to poultry. If you will try these recipes I am sure you will decide there is a much better way of disposing of cracklings than to use them for poultry feed. For use in cooking they should

be fried out until quite dry. I then run them thru the food grinder, using the coarsest knife. After this is done they may be packed in fruit jars or other airtight containers, and stored in the cellar or any other cool place, where they will remain fresh for a long time.

Navy beans cooked with cracklings are fine. Boil two cups of white beans until tender, in the usual way. Add salt, pepper and catsup to taste. Stir in a cup of cracklings—either whole or ground—pour into a casserole or bean

pot and bake for two hours, not allowing them to become too dry.

For macaroni and cracklings, boil two cups of macaroni in salted water until tender. Drain and blanch. Add a teaspoon of sugar, a cup of cooked tomatoes or tomato pulp, and a cup of cracklings. Put in a casserole and bake for half an hour in a moderate oven. If desired, cheese may be grated over the top before baking. A Spanish dish may be made by adding onion, lightly browned in bacon grease, and chili powder to the mixture.

Escalloped tomatoes are delicious when seasoned with cracklings. To a quart jar of canned tomatoes add a teaspoon of sugar, with salt and pepper to taste, and pour into a baking dish with alternate layers of bread crumbs. Sprinkle the top with half a cup of bread crumbs mixed with an equal amount of ground cracklings. Bake, uncovered, in a moderate oven for 45 minutes.

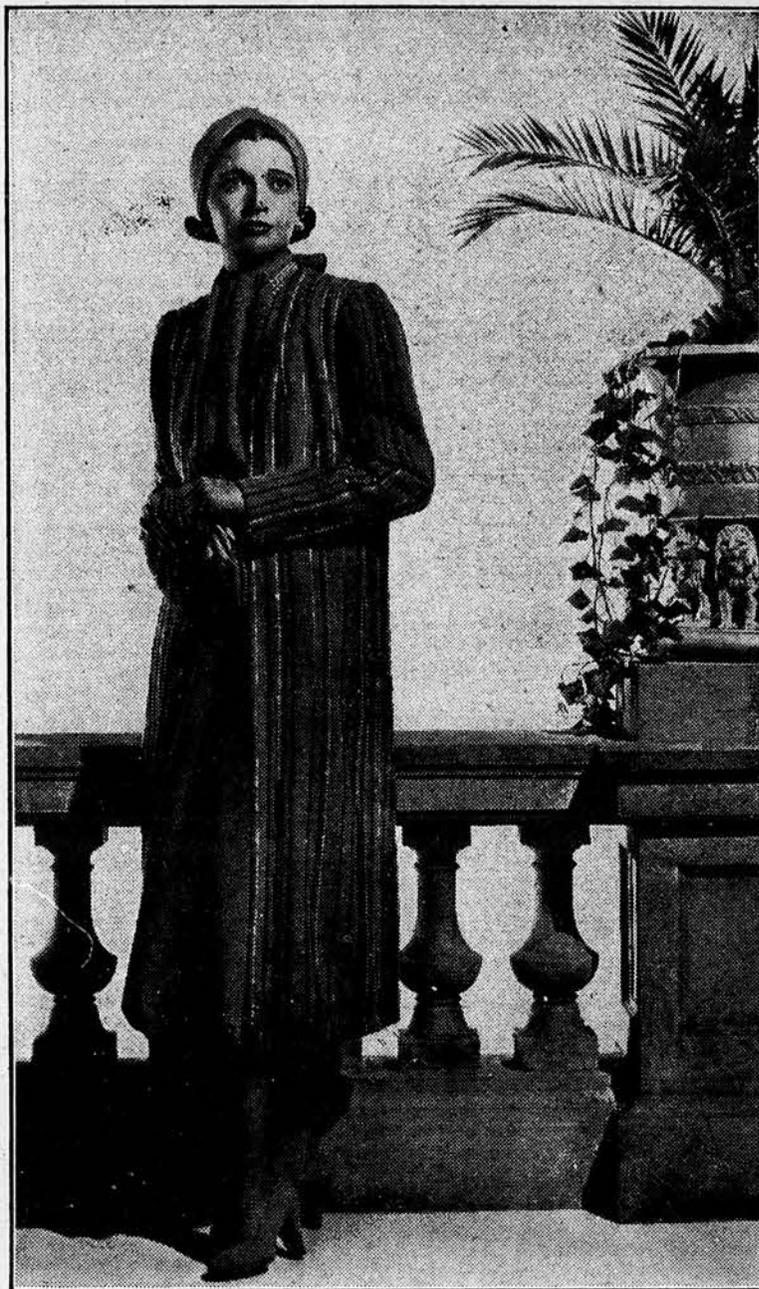
For vegetables en casserole, parboil two cups each of potatoes, carrots and cabbage, all of which have been cut in small pieces. Drain. Salt and pepper to taste. Put into a casserole, add one cup sweet milk and one cup cracklings, cover and bake in a moderate oven for an hour and a half, adding more milk if it becomes too dry.

Nearly all vegetables are fine cooked with cracklings, and no other richness is needed, as the cracklings are rich in fat. A delicious meat and vegetable pie, using leftover meat, cubed potatoes and bits of other leftover vegetables, gravy or cereals, may be seasoned and flavored with cracklings.

A cupful of ground cracklings added to your cornbread batter, omitting other shortening, will result in delicious, old-fashioned crackling cornbread.

## Those Leftover Batters

Leftover pancake or waffle batters make perfectly good thickening for gravies or sauces. Never waste them. —Ruth E. Picklum, Orway, Colo.



Persian turbans, like this one the movie actress, Kay Francis, wears, are the hit of the season. Note, too, the draped neckline—and don't miss the hemline draping.



Baked beans seasoned with cracklings is a favorite wintertime dish at our house.

## Etiquet for Every Day

KNOW ALL THE ANSWERS?



To shake or not to shake?

Marian's heard that it's the woman's place to extend her hand or not—as she chooses—when a man is introduced or takes leave.

But no woman of charm ever would be guilty of Marian's blunder. She lets Charlie stand there foolishly with extended hand.

For social adroitness and poise you must know the small but enormously important details of etiquet. Don't be satisfied with a lot of half-baked notions about introductions and leave-takings.

Our 40-page booklet, "Etiquet for Every Day," clears up many puzzling points of behavior. Social and business success often depend on knowing the gracious details of calls, introductions, conversations, table manners, conduct at restaurant, club, theater, train, other places where you're on view.

Our booklet, "Etiquet for Every Day" is only 15 cents and may be obtained from Home Institute, Kansas Farmer, Topeka.

## Flowers in February

MRS. G. G.

Propped up by a window that overlooks snowy fields, Mrs. Jones has been recovering from the flu. But she does not see the snow. In her hands—and you'd know this if you had seen her garden last year—she holds a seed catalog.

Mrs. Jones and I are supposed to be sane, level-headed women. We know the seasons of the year, know the date

## Wise Choice Made in Selecting Home Demonstration Agent Head

THE new Home Demonstration Agent leader for Kansas is Georgiana Hope Smurthwaite. She succeeds Amy Kelly, who resigned not long ago to accept a similar position in Missouri.

Miss Smurthwaite received her Bachelor of Science degree from the Utah Agricultural College and her Master of Science degree from Kansas State College. Graduate study was continued in the University of Chicago and University of Columbia, New York. She was county and then district home demonstration agent in Idaho, coming to the Kansas Extension service as foods and nutrition specialist in 1924. She was promoted to the position of district supervisor in Eastern Kansas in 1931. Her broad experience in the educational field as both teacher and executive indicate her eminent qualifications for the position of State Home Demonstration leader.

She has been active in developing policies and solving problems in home economics and educational organizations. She is a member of the Epsilon Sigma Phi honorary fraternity. Miss Smurthwaite is well-known to members of 4-H Clubs in Kansas thru her work with them during 4-H Club rallies and national encampments, but her major interest always has been in the field of adult education. "Miss Smurthwaite has an analytical mind and at the same time a warm understanding of human needs," said Ellen M. Batchelor, district home demonstration agent leader, in commenting upon

of the last frost in our part of the state, know that our gardens have not even been plowed yet.

But I am not seeing the snow either after my call on my neighbor. All evening I have had a seed catalog on each knee—my head in fleecy spring clouds—the odor of sweetpeas in my nostrils—the feel of damp earth on my fingers—absorbed in a picture of myself saying, "Oh, yes, we've had lettuce and radishes already, and some spinach almost ready to cut, and our rhubarb never was better."

My husband went out on the porch a few minutes ago and came back to report the temperature. "Oh, John," I answer dreamily, "it says these tomatoes ripen in 60 days. Do you think we'd better—"

"Tomatoes!" he snorts. "Did you head me say it's below zero?" He bends over the catalog. "H-m-m—60 days, huh? Let me look a minute."

That's why I have time to write this. John has the catalogs.

## A Castor Oil Soda

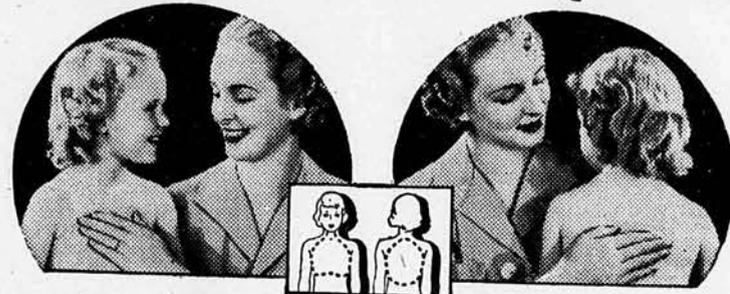
MRS. A. N. B.

No longer is it necessary to coax, bribe or threaten the children to get them to take that much disliked, yet oft-necessary castor oil. Just extract the juice of an orange, pour it into a glass and to it add the prescribed amount of castor oil. Add a bit of soda and stir vigorously under the distrustful eye of a reluctant youngster. Lo, it foams as the much-loved drug store soda! Serve at once. Touch the lips with a bit of tissue to remove any remaining trace. It isn't half bad! Even the oldsters vote it a tremendous improvement over the old-fashioned "straight" or orange-flavored method.

## Restoring Furniture

Before it is time for garden and spring work, it is well to check furniture and carpets. If you have furniture that needs repairing, remodeling or refinishing, our 7-page leaflet, "Furniture Rejuvenation," will be of great help. Some subjects discussed, are remodeling, varnishing, staining and upholstering. Price, 5c. With all orders, we will include our bulletin on Cleaning and Re-sizing Rugs and Carpets. Please address Home Service, Kansas Farmer, Topeka, Kan.

## This Safe, External Treatment Helps END A COLD Quicker



### The 3-Minute VapoRub Massage

Massage VapoRub briskly on the throat, chest and back (between and below the shoulder blades). Then spread it thick over the chest and cover with warmed cloth.

Almost before you finish rubbing, VapoRub starts to bring relief two ways at once—two direct ways:

**1. Through the Skin.** VapoRub acts direct through the skin like a poultice or plaster.

**2. Medicated Vapors.** At the same time, its medicated vapors, released by body heat, are breathed in for hours—about 18 times a minute—direct to the irritated air-passages. This combined poultice-and-vapor action loosens phlegm—relieves irritation—helps break congestion.

During the night, VapoRub keeps right on working. Often, by morning the worst of the cold is over.

**Avoids Risk of Stomach Upsets**

This safe, external treatment cannot possibly upset the stomach, as constant internal "dosing" is so apt to do. It can be used freely, as often as needed, even on the youngest child.

### VICKS VAPORUB

Mothers! Look in your VapoRub package for full details of Vicks Plan—a practical home guide to greater freedom from colds. In clinic tests among 17,353 people, this Plan cut sickness from colds more than half!

Follow Vicks Plan for Better Control of Colds

For Women and Misses SPEND A DOLLAR .. SAVE A DOLLAR

GENUINE LEATHER UPPERS



SHOES and HOSE Both for \$1.00 POSTAGE 10 CENTS DOUBLE VALUE SPECIAL

The Chicago Mail Order Co's. Value-Challenger! Quality Far Beyond Our Low Price.

The Shoes—Women's and Misses' Stylish Quality Oxfords... just what you need right now! Made of expensive Extra Durable Elk Grain Leather... with long service "No Mark" Composition Soles... Fine Live Rubber Heels, Sizes 3 to 9. Colors, ALL BLACK or SAND with BROWN. State size and color. The Hose... Full Fashioned Pure Silk... Double Knit French Heels... Reinforced Heels, Toes and Soles... Cradle Feet... High Twist... Full Length and Width. Sizes—8-1-2 to 10-1-2. Colors—Light Gunmetal, Dark Gunmetal, Brown Beige, Toasty Beige. State Color. Size and your choice of Chiffon or Service Weight. Order both Shoes and Hose by No. 330J316 and send only \$1.00 plus 10c for postage. State Sizes and Colors. Our Big 336-Page Spring and Summer Style Book FREE with every order.

FULL FASHIONED SILK HOSE

CHICAGO MAIL ORDER CO. CHICAGO DEPT. 327

## Kidneys Must Clean Out Acids

Your body cleans out Acids and poisonous wastes in your blood thru 9 million tiny, delicate Kidney tubes or filters, but beware of cheap, drastic, irritating drugs. If functional Kidney or Bladder disorders make you suffer from Getting Up Nights, Nervousness, Leg Pains, Backache, Circles Under Eyes, Dizziness, Rheumatic Pains, Acidity, Burning, Smarting or Itching, don't take chances. Get the Doctor's guaranteed prescription called Cystex. \$10.00.00 deposited with Bank of America, Los Angeles, Calif., guarantees Cystex must bring new vitality in 48 hours and make you feel years younger in one week or money back on return of empty package. Telephone your druggist for guaranteed Cystex (Siss-tex) today.

### For Quick Cough Relief, Mix This Remedy, at Home

No Cooking. No Work. Real Saving.

Here's an old home remedy your mother used, but, for real results, it is still the best thing ever known for coughs that start from colds. Try it once, and you'll swear by it.

It's no trouble at all. Make a syrup by stirring 2 cups of granulated sugar and one cup of water a few moments until dissolved. No cooking is needed—a child could do it.

Now put 2 1/2 ounces of Pinex into a pint bottle, and add your syrup. This gives you a full pint of actually better cough remedy than you could buy ready-made for four times the money. It keeps perfectly, tastes fine, and lasts a family a long time.

And there is positively nothing like it for quick action. You can feel it take hold instantly. It loosens the phlegm, soothes the inflamed membranes, and helps clear the air passages. No cough remedy, at any price, could be more effective.

Pinex is a concentrated compound of Norway Pine, famous for its prompt action on throat and bronchial membranes. Money refunded if it doesn't please you in every way.



Georgiana H. Smurthwaite, Kansas State Home Demonstration Agent leader, who succeeds Amy Kelly.

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### DO NOT FAIL TO INCLUDE IN YOUR LIST OF CHARITY GIVING, THE CAPPER FOUNDATION FOR CRIPPLED CHILDREN

There is not a more worthy philanthropy. You could do no finer thing. Fifteen years of unselfish, intensive, uninterrupted service is behind this foundation. It needs your help—any amount is gratefully received. There are no salaries. Address:

CAPPER FOUNDATION FOR CRIPPLED CHILDREN 20-C Copper Building, Topeka, Kansas

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Fill out the coupon today and send it to us, it is not necessary for you to use a letter and pay 3 cents postage—just paste the blank on the back of a penny post card properly filled out and save 2 cents.

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ONLY \$42.50 COMPLETE

F. O. B. Indianapolis, Ind.

Length—Inside 9'-6"  
Width—Inside 3'-4 1/2"  
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Wheels—Front 3'-9"  
Wheels—Rear 4'-6"  
Tire Width—3"  
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Shipping Weight  
Approximate 1800 lbs.

W. M. LANE

2100 Fletcher Ave., Indianapolis, Indiana



LISTEN CHICKS, BE SURE AND DRINK THAT WATER WITH CHLORAIDE IN IT!

Help protect your chicks against diseases by disinfecting their drinking water with CHLORAIDE, the fine poultry disinfectant and antiseptic. Only 2 tablespoonfuls to each gallon of water aids in keeping chicks healthy. Avoid costly chick losses, and safeguard your profits.

CHLORAIDE has many other valuable uses around the farm and for general household sanitation.

FREE Valuable booklet on farm, dairy and household sanitation. Full of helpful information you'll use over and over again. WRITE now for your free copy. FARMAIDE PRODUCTS COMPANY, Dept. K, Lincoln, Nebraska

LOW PRICES FARM SEEDS

FREE SAMPLES

All Triple Re-cleaned—Guaranteed Satisfactory Quality

Other Big Seed Bargains in my 24-Page 1937 Farm Seed Catalog. It's FREE! Red Clover \$20.00 Bu., Sudan \$5.50 Cwt., etc. Get this Book and save money on seed.

EARL E. MAY SEED COMPANY East & Hwy. President

Dept. L7, Shenandoah, Iowa KMA—The Farm Belt Station

WIND CHARGER

FREE

Genuine DUNN CHARGER for supplying 6-volt radio and house lighting current

operating at less than one cent a week. Guaranteed. Be first in your community to make quick money showing world's best windcharger using the famous patented Dunn governing principle to friends and neighbors, and own yours FREE. Mail post card today.

Farris-Dunn Corp., Dept. 24, Clarinda, Iowa

FREE NEW RADISH!

MY NEW Early Red Ball Radish—early, tender, and good eating. Regular price 10c packet. FREE with March issue of my "Seed Sense" magazine. Be sure and ask for gift. Send 3c stamp to cover postage. My 1937 catalog FREE, too.

HENRY FIELD SEED AND NURSERY CO. 1271 Sycamore St., Shenandoah, Iowa

Tell the Advertiser...

that you are writing him because you saw his advertisement in the Kansas Farmer.

## Layers Kept in Cages for a Year Average 147 Eggs, \$2.77 Profit

BATTERIES for fattening cockerels or hens under close confinement, or for brooding chicks in small cages, are not entirely uncommon in the Middle West. Occasionally one finds a farmer who is handling his birds in this way.

However, the idea of batteries or laying cages for housing laying birds is almost unknown. Some excellent preliminary study has been done at the New Jersey Agricultural Experiment Station. The work has been conducted for 2 years. In the system used each compartment is 17 by 17 inches in size, and one hen or pullet is kept in each cage. One hundred and eight such cages were filled with White Leghorn, range-raised pullets.

A summary of the results indicated close confinement for a year did not seem to be uncomfortable to the hens in any way. Lack of exercise didn't seem to dull the normal appetite, normal behavior, or function of the birds' bodies. An average of 23 pounds of egg pellets was consumed daily by the 108 pullets.

Each pullet had uninterrupted opportunity throught the year to eat or drink whenever it wished. Every bird was always in the same place in the room, under uniform conditions of light, heat and air as far as possible. The system served as an automatic trap-nesting and culling device since a record of production was kept right on the front of each cage. There were few dirty eggs, for each egg when laid rolled down the inclined floor to a receiving basket. The eggs were uniform in quality, and of good size even early in the laying period. There was no cannibalism problem.

Wire floors are used in these cages, and in the New Jersey experiment a bolt of canvas rolls under each row of

cages so the manure is cleaned away easily. This is thought to be one reason why no disease outbreaks occurred in the 108 pullets under test.

The project was started October 15, 1934. The following August the birds went into molt and laid little thereafter, but were producing well again by early December. A 13-hour lighted day was used, and the temperature kept above freezing but not warm. Open front ventilation was used. There was no litter problem for none was used. Labor of removing litter was saved, and labor in general was considerably reduced compared to floor management of laying birds.

### Overhead 5 Cents a Bird

All overhead management costs, except feed and labor, were estimated at 5 cents a bird a month. Eggs were sold at the door as they accumulated. The flock which started the year laid 15,581 eggs, selling for \$515, costing \$217.53 for feed, and showing a net balance of \$2.77 a pullet. The average egg yield was 147.76 eggs.

At the end of the second year of test, all of the first year's observations seemed to be confirmed. Heavy-breed pullets gave as good results as Leghorns the first year. A system of hand-mating with males was used and this indicated possibilities in pedigreed flocks, since a male was able to serve 100 hens by this method.

One of the factors to be studied closely concerns the effect of cage confinement on vitality of the strain. Of course, a number of years will be necessary to complete this type of research.

Possible justification of the battery system for laying hens, believe the New Jersey poultry specialists, lies in the fact one man can care for two to three times as many fowls in cages as on the floor; that a given cubic area will house three times more birds in cages; litter cost is eliminated; labor saving tends to compensate in part for original higher overhead of making the cages, providing heat, and necessary equipment.

Two years' work with laying hen batteries have indicated the cages are not come to take the place of ordinary floor methods, but rather to supplement them where producers wish to handle an intensive table-egg trade.

### How Weeds Affect Crops

Just how much moisture does it take to produce a Russian thistle? A Canadian scientist showed that a good-sized thistle plant sent roots out in all directions to as great a distance as 17 feet. E. V. Bryan, of Gray county, said he has noticed the effect of a good-sized thistle plant on the growth of his sorghum row crop. The plants near a thistle are about a foot and a half shorter than others where the soil is free from weeds. It is a good demonstration, he believes, of how important it is to kill as many crops of weeds as possible before planting the sorghum crop in the spring. If this is done then it is an easy matter to keep the crop clean.

### Doniphan Corn Tests Well

A corn show of more than passing interest was sponsored recently by the Doniphan County Farm Bureau. The 16 exhibits were judged by L. E. Willoughby, Extension Agronomist, Kansas State College, who commented that the samples, altho not of fine show quality, were quite credible for a drouth year. County Agent C. E. Lyness has a list of more than 50 growers who will have seed corn to sell this spring.

An idea of the amount available may be gained from the fact that individual growers estimate their holdings at from 200 to 15,000 bushels. The latter figure is the amount claimed by F. C. Nuzum, a farmer living near White Cloud. Much of this corn has been tested by the state testing laboratory and per cent of germination for some samples is reported as high as 97 per cent. It is understood that \$3 a bushel will be the price asked.

## One Man Can Do the Work of Two

A MILKING machine just enables one man to do the work of two, according to Henry Otte, Heizer, who has been using a milking unit for 7 or 8 years. Alvin Otte, his son, milks 15 cows with the outfit while Mr. Otte does other chores. When the son was in college his father was able to care for the milking herd.

An important point with any milker is to keep it clean and sterile. When Otte's get up in the morning they put water on to heat. After the milking the buckets and hose are rinsed and then scalded. During the day the hose hangs filled with a solution which disinfects it thoroly. In the evening the milker is rinsed and scalded then hung up to sterilize further. This isn't a bad job at all. It takes only a few minutes and requires hot water, rinse water and the standard disinfecting solution.

Another thing Mr. Otte likes about

his milker is its effect on the cows. They like the steady, rhythmic "tug" of the teat cups and stand placidly chewing their cud while being milked. He said a heifer virtually never kicks or gets nervous when she is machine milked from the beginning. Since some cows milk "harder" than others, they stand the "hard" milkers and the easy milkers in pairs. The only difference between the two kinds is that it takes longer with the ones which milk "hard."

A home light plant is used to operate the Otte milker. Formerly a small gas engine supplied power. Any farm which includes a dairy can use a milker. Dairymen who have to depend on hired labor for their milking are steadily turning to machines for this job. The number of milkers in use over Kansas would surprise a person who has not made a study of the dairy field.

## Don't Blow Your Head Off!



DO THIS

FOR

STOPPED-UP NOSTRILS  
(due to accumulated mucus)

If people realized how delicate the mucous membranes of nasal passages really are there would be far less blowing—far less trying to drive accumulated mucus out by brute force.

There is a much gentler and more effective way to do this. If your nostrils are stopped up with mucus, just insert a little Mentholatum in them.

You'll be surprised at the gentle and quick way in which Mentholatum breaks up the accumulated mucus. You'll be delighted, too, as you notice how the stuffiness is relieved and you can breathe more freely again.

MENTHOLATUM

Black Leaf 40  
KILL and FEATHER  
LICE and MITES

• "Black Leaf 40" with our "Cap Brush" Roost Applicator enables you to cut your delousing costs three-fourths. "Black Leaf 40" has plenty of reserve strength not only to kill adult lice but to kill young lice, as they hatch.

For individual bird treatment apply a drop two inches below the vent and on the back of the neck to kill body and head lice.

"Black Leaf 40" is sold by dealers everywhere. Insist on original factory sealed packages to insure full strength.

Tobacco By-Products & Chemical Corp. Incorporated - Louisville, Kentucky

CAP-BRUSH ROOST APPLICATOR CUTS COSTS 3/4

DR. SALSBUARY'S  
CAM-PHO-SAL



FOR QUICK RELIEF FROM ROUP & COLDS!

SEE YOUR DEALER WHO ADVERTISES THIS EMBLEM

Read the Classified Ads

You may find a bargain there, or you may be reminded of something you have to sell. Try a Classified Ad in Kansas Farmer.

# Influenza of Greatest Danger If You Will Not Give Up

CHARLES H. LERRIGO, M. D.

WITH influenza playing havoc in so many localities one cannot be too insistent in urging people to beware of its dangers. The point is that the one in greatest peril from this deadly disease is the stalwart individual who "won't give up." If every person attacked by influenza, no matter how mild its type, would heed the first symptoms, there would be fewer deaths. Some sensible suggestions recently have been issued by the Indiana Medical Association which I am glad to pass on to our readers:



Dr. Lerrigo

Lobar and bronchial pneumonia nearly always follow milder forms of respiratory infection, chiefly influenza. What is too often considered as merely a cold in the head may turn out to be something far more serious. Care, therefore, should be taken to prevent its transmission to one's family, friends and associates. Here are some of the things to remember about colds, influenza and pneumonia:

Pneumonia works rapidly. Complete rest in bed at the beginning saves lives.

Delay in calling doctor and nurse may be fatal.

Self-prescribed medicine and wrong kind of care often lessen chances of recovery.

Take care of what seems at first to be only a cold, as it may turn out to be a more serious sickness.

If, besides the general symptoms of a cold, you have a fever and your back and legs ache badly, you probably are taking grippe or influenza. You should be seen by a doctor at once.

Overwork, lack of sleep and exercise, over-indulgence in alcohol, exposure to cold and wet, increase susceptibility to pneumonia.

Picking out the thing of supreme importance to one threatened with influenza, I would say: "Get to a comfortable bed, thus giving heart and lungs their best chance to fight."

## This Indicates Two Things

I have boils on the neck and as soon or even before one crop goes away some others already appear. Please tell me something to do.—C. M. B.

Boils that come in crops in that way indicate two things. There is an infection of unusual virulence that causes a spread from one point to another by actual skin contact. To guard against this use a good antiseptic so-

lution to cleanse the skin quite thoroly twice a day, applying it in a wide area around every boil. The second indication is a lack of resistance against infection—the blood doesn't make much of a fight. Such a patient needs medical treatment. A vaccine prepared from some of the pus of the boil may stir up the body resistance. This is known as treatment by autogenous vaccine. Other medicines may help and the patient should have the best of nourishing, easily-digested food as well as plenty of rest. Many doctors now treat boils with a preparation of tin known as Stannoxy. Ask your doctor about it.

## Heart Must Have Help

Can one have a good, strong heart and have poor circulation? I am a woman of 23 years. Doctors tell me I have a good heart, but my hands and feet are cold a great part of the time, and it is a difficult matter for me to keep comfortably warm. Thank you for any advice.—Country Girl.

There are several factors concerned in the circulatory apparatus. The heart action is most important, of course. But it must be helped by normal arteries which have elastic properties that help in propulsion, and also by veins that do not retard the return of blood to the heart. It must be remembered, also, that the nervous system has much to do with the control of circulation. A test of blood pressure is worth while. Do not forget that a young woman of 23 should eat the best of nourishing food, wear substantial clothing and be actively employed in such a way as to get a lot of outdoor exercise.

## Try Eating Just Enough

Can you tell me how to make my shoulders narrow and give them a better shape? I am a short girl and get fatter all the time.—Nora.

Narrow shoulders will not give you a better shape. If you are fat your broad shoulders help to set off your increased size and make you carry it better. You must reduce your fat by eating only the amount of food that you actually need, and by being especially careful to keep your intake of fats and starches down to the minimum.

## Cannot Remove a Tattoo

Please tell me whether it is possible to remove a tattoo. If so, how and where could I have this done?—H. I. H.

It is not possible to remove a tattoo and obtain an unblemished skin; but a good doctor who understands electrolysis can do much to obliterate it.

If you wish a medical question answered, enclose a 3-cent stamped, self-addressed envelope with your question to Dr. C. H. Lerrigo, Kansas Farmer, Topeka, Kan.

# Kansas Has Lost a Leader

A CHAPTER in Kansas history closed, and Kansas lost one of her foremost pioneer women, when Pauline Kuhrt died at her home northeast of Goodland on January 28. She had been active in management of the Kuhrt ranch since she and her husband homesteaded there years ago.



Mrs. Pauline Kuhrt—her fine record will live in Kansas Shorthorn history.

Since Mr. Kuhrt's death 12 years ago Mrs. Kuhrt had been the directing influence in managing the big 3,500-acre farm, where Shorthorns and Percherons were a specialty.

Living came first with Pauline Kuhrt. Evidence of this is the lovely rock and flower garden which graced the Kuhrt farmstead. Only 2 years ago a beautiful stone house was completed to replace an older home which was itself always comfortable.

Aided by her two sons, Paul and Eugene, and one daughter, Mrs. Kuhrt built a wide reputation for her Shorthorn cattle. In recent years the boys had been taking the cattle to livestock shows at Denver, Kansas City and Chicago. The Kuhrt calves have an enviable reputation across the Middlewest for their value as fat steer prospects. Once a Kuhrt steer was judged grand champion over all breeds at the Denver show.

Mrs. Kuhrt was awarded an earned laurel 8 years ago when she was honor guest at the annual "get-acquainted" dinner given by the Kansas State Board of Agriculture at Topeka. She was the only woman ever so honored.



## Attractive Pastel Colors—Fine for Parties

Every housewife will want a set of these dainty, colorful new style luncheon napkins, 10 in. square, stamped for embroidering with attractive border and corner flower design. The coupon below will bring you your first free luncheon napkin—then you will be ready to get free napkins to complete your set as later explained.

## Made from Tint-Sax

These dainty napkins are made from the same material as Tint-Sax, the new bags now used for sacking all Staley Poultry Mash and Pellets. As you know, Tint-Sax come in a variety of pastel colors. From these cambric bags you can also make dresses, aprons, rompers, curtains, luncheon sets, towels, quilt blocks, bed spreads, handkerchiefs and many other items. Thus, when you buy STALEY POULTRY FEEDS you get extra value in the Tint-Sax—at no extra cost.

Now is the time to buy FOUR BELLS STARTER & DEVELOPER or MASTER CHICK ALL-MASH—two tested and proved chick feeds, either one of which will assure your having healthy, vigorous chicks that grow fast. These feeds contain every ingredient chicks need for wholesome nourishment and rapid growth and development. Go to your local Staley Feed Dealer at once for a supply of Mash or Vita-Sealed Pellets.



Mail this coupon now and your first free Luncheon Napkin will be mailed you postpaid. When that napkin is mailed to you, directions will be given you for obtaining the other napkins of the set absolutely free with the first purchase of any Staley Poultry Mash or VITA-SEALED Pellets. (Because of the value of these Luncheon Napkins—only one set to a family.) (N-1)

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## Farmers Look Into Business of Mixing Gas and Alcohol

ABOUT 400 farmers from Kansas and Missouri attended a meeting at Atchison on February 17, where plans and progress of the power alcohol plant were discussed. Dr. Leo M. Christensen, manager of the plant, told the group that corn, barley, rye, rice, blackstrap molasses, sweet potatoes, Irish potatoes, grain sorghums and artichokes all had been successfully used as a source of power alcohol in the Atchison distillery. The power alcohol is mixed with gasoline in the ratio of 9 parts gasoline to 1 part alcohol, and the resulting product retails at the present time as Agrol.

A. L. Clapp and Dr. H. H. Laude, of Kansas State College, discussed the best varieties of various crops to grow in the Atchison vicinity. Mr. Clapp said experimental information about Jerusalem artichokes was meager, but the college expects to do some work on this crop in Northeast Kansas. The usual yield of artichokes on farms under normal growing conditions is 5 to 6 tons an acre. Soil and climatic conditions suited to corn production are about right for artichokes, according to available information.

A committee of farmers was selected by those present. These men will discuss the matter of a contract for purchase of farm crops by the Atchison company from local farms. Farmers named were: From Kansas, Will Hays, Atchison; Claud Speck, Nortonville; Tom Carmode, Lancaster; George T. Groh, Wathena; O. D. Geiger, Everest; Arthur Fenton, Denton; Harlan Belden, Horton; Louie Domann, Winchester; Allie Fry, Easton and Mr. Reynolds, Holton. For Missouri, Bud McLean, Buchanan county, and Norman Coleman, Platte county.

Farmers in the Atchison territory are interested in any new market for their products, but are not hopeful of getting prices generally considered profitable, from sale of grains for manufacture into power alcohol. If manufacturers could afford to pay "parity" prices for farm products there would be nation-wide enthusiasm. At present there is a feeling that mixture of alcohol with gasoline for general retail purposes will not be able to succeed without legislative assistance. However, backers of the Atchison plant are putting forth real effort. More power to them if they can provide a new and better market for farm crops.

## How Kansas Was Placed

Why was Kansas classified in the Western Region in the new Farm Program set-up?—J. M. K.

The first approach to production adjustment was entirely on a commodity basis. Later, the problem was to adapt the commodity programs to fit special conditions in various regions and localities. Farmers suggested that if this problem were approached on a regional basis, the distribution of agricultural production on commodity lines could be approximated in the formulation of a program, and decentralized planning would be possible.

Those who, in the states and in Washington, co-operatively worked out the 1936 and 1937 programs, sought to approximate geographical commodity lines. Some "give and take" was inevitable in the effort to recognize the benefits and equities of farmers under these programs.

It was the aim, therefore, in classifying certain states as the North Central Region, for example, to include only those in which corn is the major crop. As wheat is the major crop in Kansas, that state was included in the Western Region, which comprises the leading wheat-growing states.

## WIBW Program Schedule

(Daily except Sunday)

February 27, thru March 12, 1937

- 4:00 a. m.—Sons of Pioneers.
- 4:30 a. m.—Alarm Clock Club.
- 5:00 a. m.—Col. Combs and Ramblers.
- 5:30 a. m.—Uncle Ezra and Aunt Faye.
- 5:45 a. m.—Roy Faulkner.
- 6:00 a. m.—News.
- 6:15 a. m.—Edmund Denny.
- 6:30 a. m.—Roy Faulkner.
- 6:45 a. m.—Rupf Hatchery (except Saturday).
- 7:00 a. m.—National Bellas Hess Hour.
- 8:00 a. m.—Gene and Glenn.
- 8:15 a. m.—Unity School.
- 8:30 a. m.—Anniversary Ship.
- 8:45 a. m.—Olson News.
- 9:00 a. m.—IGA Program.
- 9:15 a. m.—Ma Perkins (except Saturday).
- 10:30 a. m.—Protective Service & Anti-Crime Association.
- 10:40 a. m.—Weather Bureau.
- 11:00 a. m.—Monticello Party Line (except Saturday).
- 11:15 a. m.—Dinner Hour.
- 12:00 p. m.—H. D. Lee News.
- 12:15 p. m.—Complete Market News Service.
- 2:00 p. m.—National Bellas Hess News.
- 2:15 p. m.—Jane Baker, the Kansas Home-maker.
- 2:30 p. m.—Harris-Goar's Street Reporter.
- 2:45 p. m.—Community Sing (except Saturday).
- 3:15 p. m.—Kansas Roundup (except Saturday).
- 3:45 p. m.—Organalities (except Saturday).
- 4:00 p. m.—Roy Faulkner (except Monday and Saturday).
- 4:15 p. m.—CMO News.
- 5:30 p. m.—Children's Stories.
- 5:45 p. m.—Little Orphan Annie.
- 6:00 p. m.—News.
- 6:15 p. m.—Marling Gossip (except Saturday).
- 6:45 p. m.—Kitty Keene, Inc. (except Saturday).
- 9:45 p. m.—Emahizer's Melodies.
- 10:00 p. m.—Daily Capital News—Joe Nickell.
- 11:30 p. m.—United Press News.

- 7:45 p. m.—H. D. Lee Program.
- 8:30 p. m.—Edmund Denny—K. P. & L. Program.
- 8:45 p. m.—Marling Rhythm Club.
- 9:00 p. m.—Wayne King's orchestra.
- 9:30 p. m.—Jack and Jill—Sendal.

Tuesday, March 2, and March 9

- 6:30 p. m.—Alexander Woolcott.
- 7:00 p. m.—Hammerstein's Music Hall.
- 7:30 p. m.—Berkson's Song Styles.
- 7:45 p. m.—Voice of the Bible.
- 8:00 p. m.—Watch the Fun Go By—Al Pearce.
- 8:30 p. m.—Jack Oakie's College.
- 9:30 p. m.—Phillips Poly Follies.

Wednesday, March 3, and March 10

- 10:45 a. m.—Page's Funfest.
- 6:30 p. m.—Gogo DeLys.
- 7:30 p. m.—Burns and Allen.
- 8:00 p. m.—Nino Martini—Chesterfield Program.
- 8:30 p. m.—Palmolive Beauty Box Theater.
- 9:00 p. m.—Marling Rhythm Club.
- 9:30 p. m.—Jack and Jill.

Thursday, March 4, and March 11

- 6:30 p. m.—Alexander Woolcott.
- 7:30 p. m.—Gibbs Music Revue.
- 7:45 p. m.—Strolling Tom.
- 8:00 p. m.—Major Bowes' Amateurs.
- 9:00 p. m.—Eddie Tonar's orchestra—Victory Life.
- 9:30 p. m.—Marling Rhythm Club.

Friday, March 5, and March 12

- 10:45 a. m.—Page's Funfest.
- 6:30 p. m.—Time for Buddy Clark.
- 7:00 p. m.—Broadway Varieties.
- 7:30 p. m.—Hal Kemp's orchestra—Chesterfield.
- 8:00 p. m.—Hollywood Hotel.
- 9:00 p. m.—Jordan's News Review of the Week.
- 9:30 p. m.—Jack and Jill.

## Highlights of Next Two Weeks

Saturday, February 27, and March 6

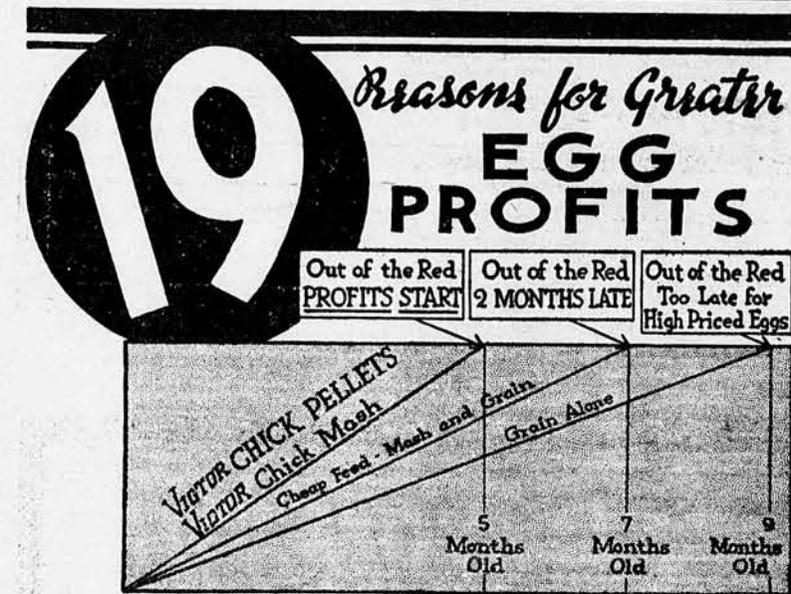
- 9:15 a. m.—Organalities.
- 9:25 a. m.—Farm Bureau talk.
- 5:25 p. m.—Press Radio News.
- 5:45 p. m.—Tito Gulzar.
- 6:15 p. m.—Saturday Night Swing.
- 6:30 p. m.—Sunset Serenade.
- 7:00 p. m.—Columbia Workshop.
- 8:00 p. m.—Kansas Roundup.
- 9:00 p. m.—Lucky Strike Hit Parade.

Sunday, February 28, and March 7

- 8:00 a. m.—Sunday Morning at Aunt Susan's.
- 8:30 a. m.—Reading the Capital Funnies.
- 8:55 a. m.—Press Radio News.
- 9:00 a. m.—Church of the Air.
- 9:30 a. m.—Romany Trail.
- 10:00 a. m.—Weather Reports.
- 10:30 a. m.—Major Bowes' Family.
- 11:00 a. m.—First Methodist Church.
- 12:00 noon—Organalities.
- 12:30 p. m.—National Bellas Hess Program.
- 1:00 p. m.—The Coleman Family.
- 1:30 p. m.—Law Enforcement League.
- 2:00 p. m.—N. Y. Philharmonic Symphony orchestra (c).
- 4:00 p. m.—SENATOR CAPPER.
- 4:15 p. m.—News.
- 4:45 p. m.—Siesta-Mission Inn.
- 4:30 p. m.—Governor Huxman (March 7).
- 5:00 p. m.—Christian Science program.
- 5:30 p. m.—Chevrolet Musical Moments.
- 6:00 p. m.—News.
- 6:30 p. m.—H. D. Lee Program.
- 7:00 p. m.—Vick's Open House (Nelson Eddy).
- 7:30 p. m.—Texaco Town—Eddie Cantor.
- 8:00 p. m.—Ford Sunday Evening Hour.
- 9:00 p. m.—Gillette Community Sing.
- 10:00 p. m.—Joe Nickell—Capital News.
- 10:15 p. m.—American Legion.
- 10:30 p. m.—Radio Forum.

Monday, March 1, and March 8

- 10:45 a. m.—Page's Funfest.
- 4:00 p. m.—Kansas Federation of Women's Club.
- 6:30 p. m.—Ray Heatherton.
- 7:30 p. m.—The Crime Patrol (also 8:15 and 10:15).



The above chart tells you the graphic story of how VICTOR CHICK PELLETS will get your Chicks into production much earlier. This means that you will be getting eggs when prices are at their peak—and your hens will be laying more and better quality eggs.

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# Sheriff Says Service Members Should Mark Their Property

J. M. PARKS  
Manager, Kansas Farmer Protective Service

ON RECEIPT of part of a reward, which was paid for the conviction of Bud Wallis, who stole a Winchester rifle from Service Member J. E. Corn, R. 1, Buffalo, Sheriff Carl Harder, Yates Center, said, "I thank you very much for this check. We are in favor of your Protective Service system but want to urge, from a law enforcement officer's standpoint, that Service Members should be more particular and see that all of their property is properly marked." We agree with that statement. Sheriff Harder, and are reminding readers of Kansas Farmer daily that they can make their property more nearly safe from thieves by giving each article a permanent identification mark.

## Repeater Ran Into a Trap

Stealing wheat from F. W. Reed, Culver, R. 2, looked, on the face of it, to be an easy matter, so the thief made repeated calls. In the meantime, Mr. Reed was doing some thinking. When the thief came again, Mr. Reed trapped him by the use of marked wheat. The guilty man, D. R. Walker, was given a 90-day sentence in the Ottawa county jail. All of the \$25 reward paid by Kansas Farmer for this conviction went to Service Member Reed.

## Wasn't Ready for Junk Heap

While the radiator and carburetor stolen from the farm of George Lockwood, R. 5, Fort Scott, may not have

been what they used to be, yet, Mr. Lockwood didn't like the idea of thieves disposing of them at the junk heap. Thru the co-operation of the junk dealer, Melvin Pillion was arrested. His punishment, after being proved guilty, was an indeterminate sentence in the state reformatory. A Kansas Farmer reward was divided between Lockwood and Sheriff Clarence Bulla, Fort Scott, who made the arrest.

## No Protection More Reliable

"I don't know where anyone can find protection any more reliable than Kansas Farmer Protective Service. I hope every farmer will become a member." That's the opinion E. P. Bahner, Silver Lake, has of Kansas Farmer's efforts to fight thievery. He made this statement recently, when acknowledging receipt of part of a reward paid for the conviction of Ralph Durbin and William Gaynor. These two men made the mistake of stealing a car from Mr. Bahner and a radio from Frank LaClair, Mayetta, another Protective Service member. The Service reward was distributed equally among the two farmers mentioned, former Sheriff Brown of Jackson county and former Sheriff Dean Rogers, Shawnee county.

To date, the Kansas Farmer Protective Service has paid a total of \$24,925 in rewards for the conviction of 986 thieves, found guilty of stealing from Kansas farmers, whose premises are posted with Protective Service signs.

# Ample Moisture Always

(Continued from Cover Page)

extremely practical just at this time. While irrigation will increase crops yields nearly every year in Western Kansas enough to pay for the investment in a pumping outfit, there are many years in Eastern Kansas when irrigation is not necessary for farm crops, but nevertheless will pay dividends for truck and orchard crops. Considering this situation there are several essentials which a farmer in the Kaw valley, or other shallow water areas of Eastern Kansas, should consider.

First he must have a good water supply, with a reasonably shallow lift. Water can be pumped from an open creek with a \$250 outfit, while a pump and well for lifting water 30 feet may cost \$1,000 or more. Reasonable slopes and fairly level land are important. One cannot afford to do too much grading or scraper work to prepare the land.

Crops to be grown must include those which normally will return a profit under irrigation. These are melons, sweet potatoes, tomatoes and orchards. In the next group, which often returns enough to warrant irrigation, are corn and Irish potatoes. Small grain seldom will benefit from irrigation in Eastern Kansas river valleys, according to Mr. Eier.

A sandy loam soil is important in irrigation. Soil too sandy will let the water seep away. According to Mr. Lobenstein, any soil fertile enough for irrigation is not likely to be too sandy. But extremely heavy soils are not suited to irrigation unless particularly well drained. They may bake in hot weather, but more dangerous is the likelihood of heavy rain flooding them if it falls right after an artificial watering.

One of the most essential things to remember, Mr. Lobenstein said, is that irrigation changes the whole system of farming. It becomes one in which there is ample moisture. Soil fertility and organic matter are likely to become the limiting factors in crop yields. With plenty of water in the soil, farmers may find they don't have enough organic matter to hold it. They also will find they can turn under more green manure and crop refuse because there is moisture enough to force decomposition. In order to stop crusting of the soil, farmers will find they must cultivate quickly, perhaps in half the time

## The First Thing to Do

Kansas Farmer will bring you information soon on how to make test wells to determine your water supply. This is the first important step in planning for irrigation.

they formerly had to do it. This may require more power and additional cultivating units. Weeds will grow more rapidly under irrigation.

Irrigation paid very well in the Arkansas valley last year. At Dodge City, George Sage has been successfully growing celery under irrigation. He said the dry, hot summer made it necessary to water so often the ground became pretty hard. From an acre of tomatoes Mr. Sage harvested 500 baskets of tomatoes. He used Atlas sorgo plantings for windbreaks.

William R. Cook, of Dodge City, grew 6 tons to the acre of feed with irrigation. Mr. Van Riper installed a battery of three wells with a lift of 17 feet. He has a fine field of fall-seeded alfalfa on land which was well-prepared for irrigation before it was seeded.

J. P. McCollom and John Mathews, west of Dodge City, cut 4 crops of alfalfa from first year seeding under irrigation. Mr. Mathews took \$36 an acre from 12 acres in 3 cuttings. According to County Agent F. D. McCammon, Mr. McCollom's field is the nearest to being perfectly prepared of any he has seen. The borders are constructed so the alfalfa will grow all over them. These borders hold the water on a certain strip of land until it is desired to let it go on down the field.

M. R. Brooks sold \$335 worth of Atlas seed from 3 acres of irrigated Ford county land. He had a big pile of good sorghum stover, too. Albert Miller put 60 acres of heavy-yielding irrigated Atlas in the silo. Roy Shellhamer harvested about 12,500 pounds of Atlas seed from 10 acres and sold it for 8 cents a pound. One thousand dollars from 10 acres. Most of the Atlas raised on these Ford county fields had a good test, ranging from 94 per cent downward.



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Vitamin D enables the body to use calcium and phosphorus, which build strong bones and teeth. So milk, which is high in natural calcium and other minerals is the ideal food to carry this protective "Sunshine" vitamin.

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# Taming Fierce Elton

## Nineteenth Installment

By KATHARINE EGGLESTON  
(Copyright, All Rights Reserved)

**B**INX MILLS lay perfectly still for a moment. He was fighting the fear of this man who knew him. Gradually a realization that it was somewhat extraordinary for a man, who was deeply under obligations to his sister and, from his evident desire to have her with him, somewhat interested in her, to force himself and his unwelcome knowledge on her brother, who was an invalid.

"What—why do you—?" Binx began.  
"I'm going to be perfectly frank, Mr. Mills," Ferguson interrupted. "I was employed as engineer on the construction that Fierce Elton was building. You know about him. I had not saved any money, and now I'm out of a job and out of funds."

"I might have taken a kinder way of borrowing money, but it wouldn't have been so sure. If you'll let me have a hundred and fifty dollars I'll never open my mouth about what I know."

Binx tried, in the dim light, to get a good view of the face of the man who was blackmailing him. But all he could see was the white, vague outline of the upper part of a countenance that was covered over, cheeks and chin, with a beard that looked dark in the semi-gloom.

"You're blackmailing me," he said with as much spirit as his shocked nerves and weakened body afforded.

"I know it. But it's necessity. If I had walked in here from that room and asked you for money, you'd have said no. I've got to have it, so I took the surest way," Ferguson said coolly.

"Does Dot know that you know—about me?" Binx questioned.

"Yes, she knows," Ferguson replied, thinking regretfully of other use he had meant to make of his knowledge until this desperate condition in which he was placed forced him to appeal to Binx.

"She'll think you're a pretty poor excuse for a man when she hears about it," Binx said.

"She'll not hear about it," Ferguson replied quietly, tho the blood rushed into his face at the mention of Dorothy's name.

"Why not?" Binx demanded, wondering what the man took him for that he would remain silent after such treatment.

"Because you'll not tell her. Two can tell, you know. It would be as easy for me as for you. People are already wondering why a pretty and cultured woman like your sister came to this out-of-the-way place. It would be easy enough for them to understand—if they knew about you. I could just mention that you were—a convict."

**F**ERGUSON'S cultivated, agreeable voice sounded as if he were carrying on a pleasant conversation suited to an invalid's ears. But Binx Mills lay in bed nerveless and writhed.

Goaded by his desperate position, Ferguson was playing upon a nature sensitive and a body weak in order to secure what he must have.

"You've got me," Binx acknowledged.

"Where's the money?" Ferguson asked instantly.  
"You do this like you were used to it," said Binx, scornfully.

"I told you I had to have money. A man can do almost anything to get it—you know something about that," Ferguson replied. "Where is it?"

"It's under the mattress, near my head," Binx answered, seeing that his unwelcome visitor was determined.

Ferguson felt about. He re-examined the place where he should have found the money.

"Look here!" he exclaimed suddenly, bending over Binx and staring him in the eyes, "I'd brain you before I'd give up getting what I'm after!"

"It's in the second bureau drawer," Binx answered, seeing the hopelessness of trying to spar for time.

Dorothy had been away so long that he hoped she might come in. Mrs. Conklin and his uncle were hardly likely to return yet. If he could have kept Ferguson guessing—but he dared not. The instinct of self-preservation warned him not to trifle with the man who looked at him with such eyes.

Ferguson turned over the neat piles of white linen in the drawer. He found nothing. Surprised at the courage the sick man was betraying, he whirled about in a rage that threatened instant punishment for Binx.

"I saw her tuck it in something black," Binx explained, reading the menace of the look sent toward him.

Ferguson tried again. He did not want to do any harm to the man in the bed, but he could not risk more dallying lest someone come.

Even in his extremity, he saw the humor of the hiding-place she had chosen. By the feeling he located a bunch of bills in a pair of black silk stockings which were rolled up and the top turned back to secure the very feminine bank.

He took out the bills, counted a hundred and fifty dollars, and replaced the few that remained in the stockings.

"Thanks for this accommodation, Mr. Mills," Ferguson said politely. "I will reimburse you within two days."

"You're not really a thief then?" Binx flung at him.

"Not just an ordinary one, anyway," Ferguson returned, as he crossed the threshold into his own room.

Binx felt a momentary admiration for the absolute coolness with which Ferguson had walked from his own room, robbed him of a hundred and fifty dollars, and walked back again.

He felt a certain security in his bargain. Tho the fellow might bleed his victim again, he would scarcely publish his history unless there was something more to be secured than he could get by keeping still.

But a brotherly wrath possessed him when he thought that a man, as confident in his villainy as this George Ferguson was, should aspire for his sister's interest. He lay in bed planning how he was to lie to Dorothy about the disappearance of his money, and how he was to frustrate Ferguson's efforts to ingratiate himself with her.

**M**EANWHILE Dorothy and Willis had reached the Phoenix camp. Sam, at the stables, said that Jake was down at the office. They hurried there, determined to let Jake know that the deputy marshal meant to arrest him.

Jake came out of the little building in response to Willis's knock. He looked at his visitors with some surprise.

"Jake, the deputy marshal is coming up here after you. He thinks you helped Elton in the robberies," Willis said, going directly to the point.

The word that came to Jake's lips stopped there as he glanced at Dorothy. She, with a trembling running over her body, was listening—she had heard a quick step inside the office when she responded to Jake's greeting.

Jake turned to Willis and asked for fuller particulars, but Dorothy saw a hand reach thru the door-crack and beckon her. Fighting against the imperious command of her body that made her want to move toward the hand as if it were a magnet, she stood still.

"You'd better hide out, Jake," Willis advised.

"Well, let that fellow chase us both into—"

"Is Elton here?" Willis interrupted, his question suggested by the miner's words.

Jake looked at him intently; he had listened to Elton's warning in regard to the engineer.

"Jake, I want you to know that I'm an Elton man," Willis said with obvious sincerity. "I don't believe he had a thing to do with the robberies."

Suddenly the door behind them opened and Elton stood in it.

"Dorothy, I want you."

He spoke it with a mingled tenderness and authority that made the two men turn instinctively to the girl to see if she could withstand the summons.

She hesitated an instant, then went slowly. Something stronger than her own will urged her.

Elton reached down as she stood on the rock before the door. He took her up bodily, and the next moment Willis and Jake were gazing at the closed door of the office. The way of that particular man with that especial maid was rather amazing. Willis thoughtfully moved off toward the trail from the plateau to guard against surprise and to talk over the situation.

"Do you hate me?" were the words Elton spoke when he had set Dorothy down and closed the door.

"No, but—"

She found it hard with him—tall, strong, magnetic, so seemingly frank—to tell him that she hated herself for being unable to hate a man guilty of what he had done.

"Look here, Dorothy, I've been sorry I didn't drown in the stream since I knew that you didn't love me," he said with desperate earnestness.

She suppressed an impulse to run to him, to gather as much of him as she could hold into her arms and hold him with miserly, protective, possessive greed. Yet her outraged faith was clamoring for satisfaction.

"Why did you do such dreadful things when you have the brain and the strength to make honesty pay?" she exclaimed.

"Dorothy, you don't think I—"

"Who put all that money in Mr. Ferguson's charge? Who arranged all of the clever ways to evade detection?" she cried, beside herself in her anger and with love battling for its own.

"Ferguson," he said calmly.

She gazed at him in the darkening room with eyes in which confusion and indignation struggled.

"You accuse him—he accuses you!" she cried.

"We both love you," Elton said, as if that made the motive for Ferguson's actions evident.

"Did you steal—because you loved me?" Dorothy exclaimed scornfully.

"Ferguson says I stole because—he loves you and suspects that you love me."

Dorothy simply looked at the man who stood before her with his eyes burning, but his voice and body as calm as if he were talking commonplaces.

"He knew I meant to take you down to town that night. Some way or other he got word to his gang to pull off the robbery and to implicate me. It looked like a sure way of getting rid of a rival," Elton went on.

Suddenly Dorothy remembered something.

"He sent a letter down by Jake when I sent my telegram," she said slowly.

"I know, because he had been writing it while I came down here to arrange with you about sending my telegram. That was when he grew so much worse. He—he had been writing and—I wonder if he had thought of the way in which he might involve you?"

**D**OROTHY stopped. She saw herself going over to Elton. What she had half-dreaded was happening; his magnetism, that something in herself which responded to something in him as companion tuning-forks will vibrate together, was winning her from the belief in his guilt to a conviction of his innocence.

Suddenly she went to him.

"Oh, I want you to be innocent!" she cried.

Love denied lifted her arms and her lips even while the doubt of him lingered in her eyes. She seemed to plead with him to prove himself what she could respect since her love made her unable to keep her thoughts from him or to cease from longing for him.

"I give you my word, Dorothy, I never did a thing that was dishonest in my life. I've been rough and high-tempered, but I have not stolen or lied. Can't you believe me, even if I—struck you?" he said, his voice hoarse and broken in the intensity of his feeling.

"That was nothing!" she exclaimed.

"It's the worst thing I've done. I'll never get over being ashamed of it!" he answered.

"You must prove—"

"That's what I'm going to do. I'm going to round up the bunch that has got me into this fix. You can count on that."

"How?" she asked quickly.

"I don't just know. Callahan's dead. Smith's gone. Dorothy, do you love me?"

She tried to struggle from the arms whose caress she had invited.

"You can't go! Answer me!" Elton urged.

"But the officer is coming up here to catch Jake. He'll come and find—"

"He sure will. I'll be right here till you tell me what I asked you," Elton interrupted.

"It seemed so plain to me that you were guilty—when I was away from you!" Dorothy exclaimed, uneasy in her mind and his arms.

"That's no way to tell me that you do," he protested, his natural aggressiveness reviving as he was thrilled by having her with him and reading her confusion at his nearness.

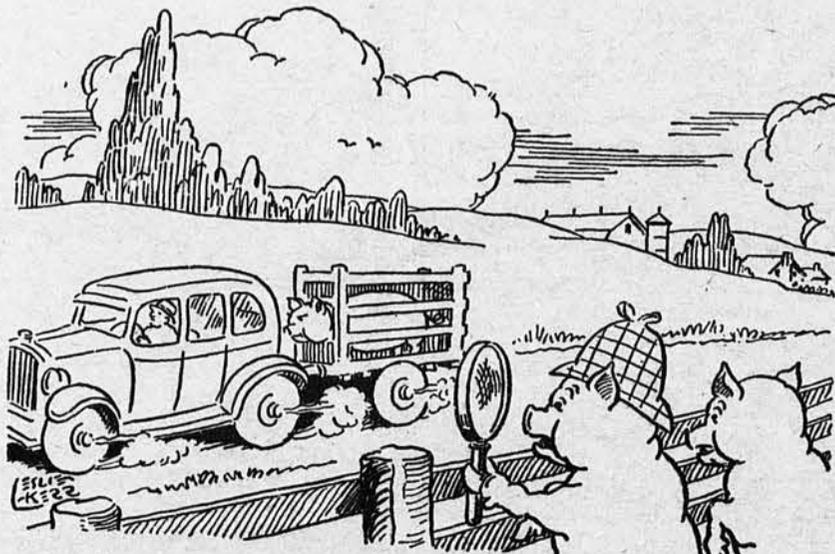
"Well—then—I do," she acknowledged, even while she realized that so far as proof was concerned she had none of his innocence other than his word.

She believed in him with her heart, but yearned to have her mind equally convinced.

Elton drew her close to him. He talked of Ferguson, of Smith, of the black-bearded man over whom they had almost run, all the actors in the mystery that fixed suspicion on him.

And always through his words his love asked her to wait, to give him

(Continued on Page 21)



"Ah-h-h, I have suspicions that Lucy is being trailed."

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Words	One	Four	Words	One	Four
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**SPARROW TRAP—GET RID OF THESE** pests. Any boy can make one. Plans 10c. Sparrowman, 1715-A West St., Topeka, Kan.

**AGENTS WANTED**

**UP TO \$15 DAILY EASY DEMONSTRATING** amazing Handyman Tool. 101 uses. Pulls posts, roots, small stumps; jacks up trucks, tractors, wagons; lifts buildings; stretches fences; splices wire; makes cider press; dandy rim tool, etc. Lifts, pulls, pushes with 3-ton power. Harrah Mfg. Co., Dept. C-25, Bloomfield, Ind.

**FROG RAISING**

**FREE BOOK RAISE GIANT FROGS** START AT HOME! Use small pond to begin. Expand with the increase. Market waiting. Men & women starting in every state. See what others are already doing. Free Book. Write to: American Frog Raising Co., (10-B) New Orleans, La.

**EDUCATIONAL**

No school advertising under this heading has any connection with the government.

**GET 1937 GOVERNMENT JOBS. START \$105-** \$175 month. Steady raise. Men-Women. Prepare now for next announced examinations. Full particulars and list of positions, free. Write today sure. Franklin Institute, Dept. B29, Rochester, N. Y.

**REAL JOBS OPEN. AUTO DIESEL. AVI-** ation, welding. Earn \$35.00-\$75.00 weekly. 8 weeks' training qualifies you. Write for big book and special low tuition offer. McSweeney Schools, Dept. 8-38, Kansas City, Mo., or Detroit.

**MEN—WOMEN. INVESTIGATE WORKING** for the Government. Many Social Security positions. Age 18-50. Get ready for future entrance tests. Write for details immediately. Instruction Service, 187, St. Louis, Mo.

**AUTO MECHANICS, DIESEL, BODY-FENDER** repairing, welding, electric refrigeration. Low rates. Stevenson's 2008-L Main, Kansas City, Mo.

**HOSIERY**

**LADIES SILK HOSE, LONG OR KNEE** lengths, imperfections, 5 pairs \$1.00. Men's 16 pairs \$1.00. Postpaid, satisfaction guaranteed. Economy Hosiery Co., Asheboro, N. C.

**HONEY**

**EXTRA QUALITY CLOVER HONEY, 10** pound pail \$1.00; sixty pound can \$4.90. Fred Peterson, Alden, Iowa.

**FOR THE TABLE**

**TARTSWEET OREGON PRUNES, NONE BET-** ter; 35/45, \$7.00 hundred; 45/55, \$5.00; 50/60, \$4.25. Edward Deneer, Grower and Packer, Rt. 4, Salem, Oregon.

**QUILT PIECES**

**FREE PATCHES. SEND 8c for shipping.** Richards, 4420 Dover, Chicago.

**LAND—KANSAS**

**336 ACRES LOCATED IN THE NORTH PART** of McPherson county, 170 acres in cultivation, 60 acres bottom, 110 acres upland, 166 acres pasture, good 8 room house, large barn in good repair, ice house and other buildings, everlasting spring water. This choice stock farm is priced at \$25.00 per acre. We have for sale improved and unimproved farms and ranches in central and other parts of Kansas. Write us your wants and we will try to locate you. Sargent Investment Co., McPherson, Kan.

**FOR SALE—A FEW GOOD FARMS IN GREEN-** wood, Barber, and Finney counties, of various sizes. Am no trader, I buy to sell. If you are wanting a nice farm, please write me or see me, which will save time. Also an improved 90 acre farm adjoining Salda, Colorado. Geo. W. Finney, (Owner) Dealer in Lands, Established in 1879, Garden City, Kan.

**OSBORNE COUNTY, 640 ACRES FINE PAS-** ture, ample water, fenced in, excellent investment, moderately priced. Write for details, Box 10, Kansas Farmer.

**NICE 40 ON ALL WEATHER ROAD, GOOD** land with extra good buildings, near Emporia; \$3600. T. B. Godsey, Emporia, Kan.

**STOCK FARM 360 ACRES, CLEAR, TWO** miles Parkerville, Kansas. W. S. Sandford, 2206 N. 13th, Kansas City, Kan.

**LAND—MISSOURI**

**FARMS FOR LESS MONEY. SAVE \$200 ON** estate and foreclosed land. Free list. Easy terms. Durnell Land Company, Cabool, Mo.

**LAND—MONTANA**

**IRRIGATED FARM BARGAINS IN GLEN** Lake Irrigation District, near Eureka, Lincoln county, Montana. Write for full details. D. A. Kennedy, Eureka, Montana.

**LAND—WASHINGTON**

**400 ACRES UNENCUMBERED KLIKITAT** county, Washington. Land adapted to wheat, alfalfa, fruits, vegetables, poultry and stock. John open range. Buildings, springs, six acres farmed, balance logged off, fuel timber left. Will sacrifice for \$1800.00 cash. Write: 226 Eklund, Hoquiam, Washington.

**LAND—MISCELLANEOUS**

**FARM LANDS FOR SALE. CROP FAILURES** unknown. Buy a farm now before land values reach their peak. 50,000 acres of highly productive land principally in Beltrame, Becker, Itasca and Koochiching Counties, the heart of a rich dairy and potato country. Tracts from 40 acres up. Small down payment gives immediate possession. Easy terms. Buy while prices are still low. Land is well watered, ideal for grains and potatoes, dairying, poultry and stock raising. Close to markets, creameries, schools, and churches on good roads. Some good lake shore property left. Fuel, fish, game and wild fruit in abundance. Also here several well improved farms in Red River Valley at bargain prices. Resident agents on land. For full particulars write Shevlin Land Company, First National Bank Building, Minneapolis, Minn.

**FARMS THAT PAY. WESTERN WASHING-** ton-Oregon offer mild climate, short winter feeding season for dairying and general farming on smaller farms at minimum overhead. Our Free Zone of Spayne, also described in Minnesota, North Dakota, Montana and Northern Idaho. Fertile soil for high production of grains, fruits, vegetables, feed and livestock. Many lists of farms for selection. Write E. C. Leedy, Dept. 202, Great Northern Railway, St. Paul, Minn.

**FOR SALE—FARMS AND RANCHES IN** Kansas, Oklahoma, Colorado and New Mexico. Prices based on actual value. Favorable terms. No trades in writing indicate locality in which you are interested and descriptions will be mailed. Federal Land Bank, Wichita.

**NEW FARM OPPORTUNITIES! WASHING-** ton, Idaho, Montana, North Dakota, Oregon, Minnesota. Farm income is up. Good land still at rock bottom prices. Literature. Specify state. J. W. Haw, 81 Northern Pacific Railway, St. Paul, Minn.

**FARM OPPORTUNITIES IN WASHINGTON,** Oregon, Idaho and Montana. Write Federal Land Bank, Spokane, Washington, stating district, kind of farm and investment desired.

**REAL ESTATE SERVICES**

**SELL YOUR PROPERTY QUICKLY FOR** cash no matter where located; particulars free. Real Estate Salesman Co., Dept. 510, Lincoln, Neb.

**I have found it very satisfactory** to add 1 or 2 pounds of salt to a sack of cement when mixing in cold weather. This helps prevent freezing as well as drying too quickly.—G. R., Riley Co.

**Crop and Feed Loans Ready**

**THE Emergency Crop and Feed** loans, which Congress authorized for 1937, are available in all districts, according to Col. P. G. Murphy, director of the Emergency Crop and Feed Loan Section of the Farm Credit Administration.

The opening date for the emergency loans to farmers is earlier by several weeks than in previous years, and Director Murphy said the loan funds will be disbursed in plenty of time for early spring crops.

Murphy stressed the fact that these loans will be made only to farmers who have no other source of credit. He also said there will be no duplication of the work of the Resettlement Administration since the Emergency Crop Loan offices will not advance funds to any farmer who has received, or is to receive, a standard rehabilitation loan from the Resettlement Administration during 1937. Farmers who can qualify for loans from Production Credit Associations also will be held ineligible, Murphy stated.

Four hundred dollars is the maximum loan this year to any one farmer, but Emergency Crop Loan officials point out that in each case a loan will be made only in the amount actually necessary to grow crops or maintain livestock until pasturage or forage crops are available. The interest rate this year is 4 per cent a year.

Col. Murphy said the emergency crop and feed loans would be made as in former years by field representatives assisted by local crop loan committees in the various counties. The work is under the supervision of the regional Emergency Crop and Feed Loan offices at Springfield, Mass.; Baltimore, Md.; Columbia, S. C.; Memphis, Tenn.; St. Louis, Mo.; St. Paul, Minn.; Omaha, Neb.; Wichita, Kan.; Dallas, Tex.; Salt Lake City, Utah; and Spokane, Wash.

**Taming Fierce Elton**

(Continued from Page 18)

time to prove himself worthy, to defy Ferguson's insinuations with her faith in him.

Dorothy was dizzy with the whirling thoughts, the ecstasy of his caresses, the memory of her necessary tolerance of Ferguson in order to secure her brother—all of the phases of her love and the relation in which she stood to three men.

Suddenly she heard someone running down the trail. She sprang from Elton's arms and with him faced the door. Jake rushed in.

"That dep'ty feller's comin'!" he exclaimed.

Dorothy clutched at Elton as if he were already being torn from her. Elton lifted her face to his, and she saw he was smiling.

"Watch him get me!" he said. He crossed the room. Jake was at his heels. He lifted a trap in the floor of the office. Dorothy saw them both descend, and the trap was closed.

When the officer came down the trail with Willis she was sitting in the office as if she awaited the engineer's time to return to town. Her chair was placed on the trap-door, and she looked as innocently bored as if her heart were not beating a tattoo against her ribs.

It was almost eleven o'clock when Dorothy sprang out of the machine at her own door. She ran into the house. Ferguson's bed was deserted. She hurried into Binx's room. Her patient was not there.

"Where's Mr. Ferguson?" she asked of Mrs. Conklin.

"I don't know. He was in his room—at least, I supposed he was—but I came in by the side door," the nurse said.

Dorothy was not so surprised at the absence of Ferguson as she might have been if she had not felt convinced for several days that he was indulging an inclination to remain under her care, rather than take advantage of the health which was returning to him.

"He may have felt energetic and gone for a short walk," she said.

She went into his room, lighted the lamp, and began to straighten the dishevelled bed against his return.

A piece of paper dropped from between the sheet and the cover as she shook them.

"Smith's brought the stuff you had to the shack. We've got The Kitty stuff. So long."

Dorothy held the paper as if it were priceless. She had found it in Fer-

guson's bed. It had been sent to him. The envelope was under the pillow. It was proof of what she wanted more than anything else in the world to know—that Elton was not guilty.

Suddenly, the ease with which Ferguson had turned circumstances to his own account came back to her. She was miserably penitent for having been influenced by him.

But where was Ferguson?  
(To Be Continued)

**Sure of Serum Supply**

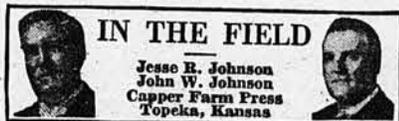
A meeting of anti-hog-cholera serum manufacturers and other serum handlers from nearly every hog producing section of the United States, held in Kansas City recently, disclosed the fact that the act relating to the approval of a marketing agreement which passed the last session of Congress, is going to prove highly beneficial to farmers.

By the Hog Serum Marketing Agreement which is now in force, farmers are assured an adequate supply of hog serum in the event of an epizootic. Also this government order sounds a death knell to profiteering.

"The Secretary of Agriculture may, after an investigation and an opportunity to be heard, declare any filed price of a serum handler ineffective if it is found inequitable to consumers and prevents the effectuation of the declared policy of the law," said W. G. Peters, president of the Peters Serum Company of Kansas City, whose father, the late Congressman Mason S. Peters, founded the first hog serum company. W. G. Peters recently received a direct appointment from Secretary Henry Wallace to serve on the Control Agency Committee for the administration of the Marketing Agreement for all handlers of anti-hog cholera serum and hog cholera virus in the United States.

"When hog cholera breaks out it gives no warning. During former years when there was an epidemic, manufacturers have been caught with a shortage of serum," continued Mr. Peters, "and the result has been in some instances the price was boosted sky-high to the farmers. Under the law and order as now written, farmers have protection against unwarranted or unreasonable price advances. The law specifically now requires that on May 1, of each year, every manufacturer of hog serum must have on hand a quantity of serum of not less than 40 per cent of the quantity of serum sold by him during the 12 months previous. This requirement not only assures an adequate supply, but also it will prove beneficial to hog raisers because serum manufacturers buy thousands of serum hogs and pay premiums to obtain them."

Guy Williams, president of the Corn States Serum Company, Omaha, Neb., is chairman of the Control Agency Committee. Dr. E. A. Cahill of the Allied Laboratories, Kansas City, and Prof. W. J. Kennedy of the Anchor Serum Company, South St. Joseph, Mo., are vice-presidents. John Swaim of the Fidelity Laboratories, Chicago, Ill., is secretary.



Earl C. Monroe, Lyons, Kan., recently purchased from Hunter Bros. and Dwight Alexander, Geneseo, Kan., five Milking Shorthorn females.

At Walker's sale barn, Clay Center, Kan., Wednesday, March 10, B. E. Hughes will sell several good jacks at auction to clean up for the season.

Mrs. Joe Fox, Greeley, Kan., is advertising a coming three year old black registered Percheron stallion of good quality for sale in this issue of Kansas Farmer.

Sheridan Mulbern, Beattie, Kan., is advertising four jacks, from three to seven years old, and 10 yearling mules in this issue of Kansas Farmer. Also a purebred Percheron stallion, 4 years old.

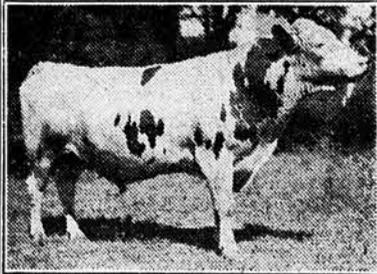
The Hereford "Roundup" sale at Kansas City, American Royal building, Monday and Tuesday, March 1 and 2, will be a good place to buy your Hereford bulls. There are 300 head in the sale and 50 females.

Bert Powell, Auctioneer, McDonald, Kan., has announced a big dispersal sale of the W. L. Guy, Atwood, Kan., Holstein-Jersey dairy herd of over 70 head. The sale will be held at the farm joining Atwood, Monday, March 8.

Watts Bros., Leocompton, Kan., offer for sale a good jack and invite you to come and see him if you are in the market for a desirable jack. They are also advertising in the Percheron section of Kansas Farmer this week a nice regis-

HOLSTEIN CATTLE

# SUNNYMEDE FARM



**B. I. S. Mercedes Walker Korndyke**

Holstein-Friesian Mt. Hope Index  
20,380 pounds milk, 721 pounds fat  
Sons and Grandsons for sale

**C. L. E. EDWARDS**  
Topeka Kansas

## Dressler's Record Bulls

From cows with records up to 1,018 lbs. fat. We have the highest producing herd in United States, averaging 658 lbs. fat. **H. A. DRESSLER, LEBO, KAN.**

GUERNSEY CATTLE

## Six Reg. Guernsey Bulls

3 to 18 months old. Best of Langwater breeding. Sires and dams carry the blood of Langwater Unes and other noted sires. Also females. Engle Hershey, Abilene, Kan.

FOR SALE—FIFTEEN

## Reg. Guernsey Heifers

From two to four years old. Also Herd sire two years old. Will sell separate or entire lot. Write or phone for an appointment.  
**DR. E. G. L. HARBOUR, LAWRENCE, KAN.**

MILKING SHORTHORN CATTLE

## Dual Purpose Shorthorns

Our grandfather's Durhams, give substantial 4% milk, flesh profitably when dry. Separate registration from beef Shorthorns. Trial subscription, *Milking Shorthorn Journal*, 8 months 25 cents; 28 months \$1.00, with poster calendar picturing types all ages. *Milking Shorthorn Society*, Box 624, Independence, Iowa



## Bulls from 2 Herds

Choice individuals, reds, roans and whites. From calves to 16 months old. Sired by **HILLCREEK GULMAN** and **FAIR ACRES JUDGE**. Dams represent best strains of heavy milk production with beef qualities preserved. Adjoining farms.

**M. H. PETERSON and A. N. JOHNSON**  
Assaria (Highway 81), Kan.

## Herd Bull Prospects

Four choice *Milking Shorthorn* Bulls, seven to nine months old. Three reds, one roan. Sire's 12 nearest dams averaged 9,885.6 lbs. His dam first at International last December. Straight lined, well bred calves. Full information upon request to **H. C. McKelvie, R. 2, Lincoln, Nebr.**

## BEST FOR KANSAS FARMS

They produce substantial milk, quality cream, high score butter, also fleshy calves, best feeders, prime beef; all at low cost on the ordinary farm. Practical, profitable, popular. *Milking Shorthorn Society*, Pretty Prairie, Kan.

## HIGH GRADE, HIGH PRODUCING

**Milking Shorthorn Cows**  
Fresh and rebred to reg. bull. Also bull calves.  
**VIRGIL SMITH, FAIRBURY, NEBR.**

POLLED SHORTHORN CATTLE

## Clippers and Browndales

Choice bred bulls and heifers. 20 registered Polled Shorthorn Bulls. Some show type. Halter broke.  
**J. C. BANBURY & SONS, PLEVNA, KAN.**

SHORTHORN CATTLE

## Bulls Sired by Kansas Ace

Low set and thick-bodied. Mostly reds, the best lot we have had for years. They include the first prize in class at Topeka Free fair. Out of our uniform type Scotch cows. Close inspection invited.  
**W. H. MOLYNEUX & SON, PALMER, KAN.**

## Herd Bull Prospects

10 to 16 months old. Also open or bred heifers. Shortlegged, modern type with plenty of milk.  
**E. C. LACY & SONS, MILTONVALE, KAN.**

JERSEY CATTLE

## Duke Offers Jersey Bulls

Good individuals, 7 to 10 months old. Sired by **GOLD OXFORD EMINENT**. Out of heavy producing dams with private records up to 700 lbs. Butter in 10 months. Tb. and blood tested.  
**R. E. DUKE, HAVEN, KAN.**

## TWELVE-MONTH-OLD BULL

Solid color. Good type individual. **SIRE:** Imported in dam, grand champion North Central Kansas Parish show, 1935. Dam's record 824.34 lbs. fat. **DAM:** grand champion North Central Kansas Parish show 1935 and 1934. Record, 649.6 fat. Price reasonable. Also bull calves.  
**Mrs. F. B. Wempe, Frankfort, Kan.**

ABERDEEN ANGUS CATTLE

## 15 Good Registered Angus Bulls

Choice individuals from 6 to 18 mos. old. Best of breeding. Just tags offered for breeders. Also females of different ages.  
**Fred F. Chien, Miltonvale (Cloud Co.), Kan.**

tered Percheron stallion weighing 2,200 pounds. Their farm is a half mile east and a half mile north of Big Springs, on highway 40, 12 miles east of Topeka. Both the stallion and jack can be seen at the farm.

**Dr. W. H. Mott, Herington**, was on hand for the dairy meetings at Manhattan Farm and Home week and at the dairy dinner demonstrated his ability as a leader in the singing with a voice kept well in training by calling the cows.

**Emil Miller**, who owns a well improved farm near Haven, Kan., is developing a fine herd of registered Hereford cattle. He has about 20 females at present, headed by the good breeding bull, **Bright Domino 29**, a son of **Bright Domino**.

**O. R. Cunningham, Formoso, Kan.**, has one of the best herds of registered Hereford hogs in the state. Just now he is entirely sold out of boars, but he is keeping over 14 of about the finest gilts to farrow in the late spring that I have seen.

In a contest sponsored by the *Ayrshire Breeders' Association* to select in advance the one-hundredth 100,000 pound cow and the date that she would qualify, nearly 10,000 replies were received. No less than 180 persons turned in correct answers.

**J. T. Morgan, Lenora, Kan.**, Norton county, breeder of registered Polled *Milking Shorthorn* cattle, is advertising in this issue of *Kansas Farmer* some young bulls of breeding age and out of high producing dams. Mr. Morgan's herd is federal accredited.

**Leonard O. Fowler, Russell, Kan.**, breeder of registered *Poland China* hogs at that place and a former advertiser in *Kansas Farmer*, is advertising some last September boars and gilts for sale. You will buy better and cheaper now than you will later on.

At the dairy folks' dinner at Manhattan I sat across the table opposite **Frank Young** and his wife and their son and daughter who are in college at Manhattan. The Youngs give credit to Jerseys for the college education these youngsters are getting.

**Mrs. E. W. Obetts, Herington, Kan.**, owns a nice herd of registered Holsteins at that place and was an interested visitor at the dairy meetings at Manhattan Farm and Home Week. Mrs. Obetts is demonstrating that good cows can be made to pay altho feed is very high.

**Hill Crest Farm, Manchester, Kan.**, is the home of splendid Belgians and Percherons and the owner, **Mr. E. F. Dygert**, is advertising right along in *Kansas Farmer* and offers some choice stallions and mares of either breed for sale. Write to him and get descriptions and prices.

**M. H. Peterson, Hereford hog grower of Assaria, Kan.**, reports a great demand for this breed of hogs. He has sold pigs to almost every part of the state and is now entirely sold out on boars but can still spare a few open gilts. Mr. Peterson says "Kansas Farmer sure locates the buyers."

**Roy A. Cook, Independence, Iowa**, secretary of the *Milking Shorthorn* society, authorizes us to claim in the *Kansas Farmer* sale date column, April 10, for a sale of 60 *Milking Shorthorns* to be held by **Jas. R. Peck, Neodesha, Kan.** Mr. Peck's herd is one of the strong herds of *Milking Shorthorns*.

**Dr. E. G. L. Harbour, Lawrence, Kan.**, is starting his registered *Guernsey* advertisement in this issue of *Kansas Farmer*. He offers 15 registered *Guernsey* heifers from two to four years old. Separate or the entire lot. Also a two year old herd sire. Better phone him for an appointment to see them.

**Ross Gosney, Mulvane, Kan.**, was on hand for the annual Holstein meeting and other meetings of interest to dairymen. Once Mulvane was the seat of great activities in *Kansas Holstein* affairs but at present Mr. Gosney is the only one of the old guard left at Mulvane with a nice herd of registered Holsteins.

**Martin Claussen, Russell, Kan.**, breeder of *Chester White* hogs, offers for sale a few nice gilts bred for spring farrow. Mr. Claussen says he has bred and fed these gilts with their future usefulness in mind and that they are good buys for anyone wanting nice spring litters. Look up his advertisement in *Kansas Farmer* this issue.

Executors of the **Robt. H. Hazlett** estate have announced June 15 as the date of the dispersal sale of the famous **Hazford Place** herd of Herefords, 725 head, including the show herd, all the breeding cows, herd bulls and younger cattle will be sold. The sale will start on Tuesday, June 15 and continue until all the cattle have been sold.

**Ben Hook & Sons, Silver Lake, Kan.**, about 10 miles west of Topeka on the paved highway breed excellently well bred Durocs and are advertising some bred gilts in this issue of *Kansas Farmer* and some boars all ages and last fall boars and gilts. They will be priced right and now is a good time to buy if you intend doing so this season.

Under *Milking Shorthorns* on the livestock page in this issue of *Kansas Farmer* will be found the advertisement of **H. C. McKelvie, route 2, Lincoln, Nebr.**, in which he offers four nice young bulls of splendid breeding. Mr. McKelvie will be pleased to give you full information about these young bulls of serviceable age, if you will write him at once.

**Vern Albrecht, Smith Center, Kan.**, breeder and well known exhibitor of Durocs and a breeder of *Aberdeen-Angus* cattle, writes that he has a fine string of bred sows and gilts to farrow in the spring and adds that he is sure they will be plenty high next fall. He is consigning six good young registered *Angus* bulls to the *Nebraska Angus breeders' sale* at **Columbus, Neb.**, April 5.

**Schellcrest Farms, Liberty, Mo.**, the home of the well known strong herd of registered *Holsteins*, **K. P. O. P.** and other popular bloodlines is also the home of some of the best registered *Percherons* to be found anywhere. Mr. **Fred Schell, Jr.**, owner, will be pleased to show you either any time you will come to **Schellcrest Farm**, on highway 69, a short distance out of *Kansas City, Mo.*

There is an advertisement in this issue of *Kansas Farmer*, under the *Milking Shorthorn* head, that you should read if you are interested in dual purpose *Shorthorns*. The *Milking Short-*

horn society, **Independence, Iowa**, are anxious to have you read *Milking Shorthorn Journal* and in this advertisement make a most liberal offer. They will send you the *Journal* 28 months for \$1.00 and with it a calendar picturing types all ages. But they want you to read the *Milking Shorthorn Journal*, even if you only have a few head or if they are only grades. You will profit by reading this splendid paper if you are milking cows. Address, *Milking Shorthorn society*, box 624, **Independence, Iowa**.

New officers were elected for another year by the different breed associations and much planning was done, looking to larger and better county and district shows for the year 1937. Working with extension service assistants and fieldmen from their respective national associations, the best possible plans are worked out to secure attendance and create new interest in better dairy cattle.

**R. E. Duke**, who lives two miles northeast of **Haven in Reno county**, has several registered *Jersey* bulls for sale. They are good individuals and out of good producing dams with private records made on Mr. Duke's farm. Some of them have made 700 pounds of churned butter in 10 months. The bulls were sired by **Gold Oxford Eminent**. They are tested for Tb. and abortion and are being priced reasonably.

**J. C. Robison, Towanda, Kan.**, is advertising again in this issue of *Kansas Farmer* a few very choice *Percheron* stallions, blacks and dark greys, that he states are as good as he ever owned. If you are familiar with the great *Percherons* that have always been found at **White-water Falls Stock farm**, you will understand the significance of this statement. He is making attractive prices to move them right away.

**Leo F. Carey, Reading, Kan.**, offers for sale a very desirable herd bull, bred by **Grover Meyer, Bashor, Kan.** Mr. Carey don't want to keep two herd bulls and offers this one for sale. He is four years old, dam's record 20,000 pounds of milk, 700 pounds of fat. He has good disposition and not hard to handle, and gets splendid calves. He offers him at what would seem to be a very moderate price. Write him if interested.

**Harry Givens**, who lives a few miles west of **Manhattan, Kan.**, authorizes us to claim April 6 as the date of his sale of registered *Duroc* bred gilts. He has some extra good ones selected for this sale. He is, however, low on numbers and would be glad to have any one consign bred sows of any breed, grades or purebreds. If interested in this announcement either as a buyer or consignor write Mr. Givens at **Manhattan, Kan.**

If you want bred *Hampshire* gilts you had better write at once to **H. C. McKelvie, Route 2, Lincoln, Nebr.**, who is advertising 125 head, some of them purebred *Hampshires*, about 15, and the remainder are big type and spotted gilts bred to *Hampshire* boars, a cross that is said to be very successful. These gilts will weigh around 275 (Feb. 15) and are splendid lot of bred gilts. You will find the advertisement under *Hampshire hogs* on the livestock page.

If you are in the market for *Hampshire* bred gilts that will farrow in March and April, a few of them bred to **High Score** and the rest to **Peter Pan** and **Master Key**, write the **Quigley Hampshire farms, William, Kan.**, immediately. Mr. Quigley has 20 nice ones and they are exceptional quality and breeding. He also has for sale 10 fall boars, ready for service that he offers for sale. Look up his advertisement on livestock page of this issue of *Kansas Farmer*.

*Holstein* breeders and milk producers should mark **March 31** on their calendar; that is the date of the **A. F. Miller and R. S. Lyman** sale to be held on the **Miller Farm** near **Haven**. Many of the heavy record cows to be sold are from a **Homestead** foundation and the young things are largely the get of the good breeding **Carnation** bull used by Mr. Miller and one of his good sons used in the **Lyman** herd. More will appear about this sale in future issues of *Kansas Farmer*.

**Monday, March 1**—that's next Monday—is the date of the **Carl C. Anderson** public sale of registered *Percherons* and the sale will be held at the farm, six miles west and north of **Concordia, Kan.**, on highway 28. There will also be sold a nice lot of purebred *Duroc* gilts, not eligible to registry but bred to good boars for spring farrow. There will be 18 registered *Percherons*, mature stallions, mares and fillies and young stallions. See display advertisement in this issue of *Kansas Farmer*.

We have a letter from **Bert Powell, McDonald, Kan.**, auctioneer who sold the **Geo. Kidder** offering of grade *Duroc* sows and gilts at **Bird City, Kan.**, February 10. He reports the sale as a very fair one and a good crowd was out from **Eastern Colorado, Southwest Nebraska** and all over **Northwest Kansas**. The 25 gilts averaged \$32.00 with a top of \$50 going to **Hershel Officer, McDonald, Kan.** E. H. Bell of **Oakley, Kan.**, bought the good yearling boar, **Cheyenne**, to use in his purebred herd. It was considered a very good sale.

Farmers and dairymen in northwest *Kansas* and eastern *Colorado* will have the opportunity of buying about anything they want in grade *Holsteins* and *Jerseys* in the big dairy herd dispersion sale at **Atwood, Kan.**, **Rawlins county**, **Monday, March 8**. **Mr. W. L. Guy** has conducted a dairy business at **Atwood** for a number of years and a change in business makes this dispersion sale of his big dairy herd necessary. The cattle will be sold right out of the dairy barns in their working clothes and it is not expected that the prices will range very high. It is a lot of nice, clean working dairy cows and heifers, every one with a sound udder. Write for a sale bill announcement and plan to be there.

**L. F. Laffin**, owner of **Maple Dell Farms Aberdeen-Angus** cattle, **Crab Orchard, Nebr.**, advertised in *Kansas Farmer*, recently sold some bulls to the **N Bar ranch, Tyler, Montana**, and under date of **February 6** received a nice letter from the manager, **G. R. Milburn**: "I am very much pleased with these bulls and feel that one of them and perhaps two will make us the best bulls we ever have had on this ranch. Thank you very much for your interest in selecting these bulls for us and we will call on you again and will surely urge others to do so." Mr. Laffin, who is advertising some bulls in *Kansas Farmer*, is right now in a position to help you with your herd bull problem if you are in need of one. Write him for descriptions and prices.

That Hereford breeders are looking far and near for the best in breeding animals was evidenced **Friday, Jan. 22**, by the attendance at the **Foster Farms** annual Hereford sale at **Rexford, Kan.** Snow and extremely cold weather prevailed and it undoubtedly held down the at-

PERCHERON HORSES

## 6 Stallions Blacks Greys

Yearlings and two years old, some grandsons of **Carnot**. 10 Mares, from foals to aged mares. Mares in foal to show stallions. Our horses winners in seven state fairs. Free service this season to all mares purchased of us to our new herd stallion, **Illini Jules**, bred by **Illinois University**. Breed good mares to this great stallion. You will find our prices conservative.

**HIETT BROS., HAVEN, KAN.**  
(Reno County)  
17 miles S. E. Hutchinson  
40 miles N. W. Wichita

## HILL CREST FARM

Imported and American Bred *Belgian* and *Percheron* Stallions and Mares  
We offer for our 1937 Sale season a great selection of *Percheron* and *Belgian* stallions. Many of them were winners at 1936 Chicago International and Waterloo National *Belgian* Horse Show. Also a few choice mares bred to our great stallions.  
**E. F. DYGERT, MANCHESTER, IOWA**  
(Delaware County) Farm Located 4 Miles East of Manchester on Primary Highway 20

Schellcrest Farms

## Percherons and Holsteins Saddle Horses

All registered stock of any age. **Carnot, Egottist, Lagos**, bred *Percherons*, **K. P. O. P.**  
**Schellcrest Farm, Liberty, Missouri**  
Highway 69, a short distance out of *Kansas City*, 12 miles southwest *Liberty*.

A FEW VERY CHOICE

## Percheron Stallions

for sale. Blacks and Dark Greys. They are as good as I ever owned. Two to 5 years old; weight 1700 to 2000 pounds each. Some good enough to win in any show. Attractive prices if sold soon.

**J. C. ROBISON, TOWANDA, KAN.**  
Whitewater Falls Farms

## 30 Reg. Percherons

Stallions, brood mares and fillies. Also 12 good jacks.  
**C. H. WEMPE, SENECA, KAN.**  
(Nemaha County)

## PERCHERON STALLIONS

FOR SALE—ALL AGES

Prices reasonable.  
**A. J. WEMPE, FRANKFORT, KAN.**

## A Few Young Stallions

registered. . . . Also some fillies and Bred Mares, **Carnot** and **Lagos** breeding. Also a carload of extra good fillies and mares, not registered.  
**GEORGE H. RALSTIN, MULLINVILLE, KAN.**

## Reg. Blk. Percheron Stallion

Coming 3 years old. Weight 1650 lbs. Also few registered black *Percheron* mares, 3 and 4 years old.  
**CHAS. KALIVODA, AGENDA, KAN.**

## Percheron Stallions For Sale

All ages. Prices reasonable. Can spare a few mares.  
**W. P. HAMILTON, BELLE PLAINE, KAN.**

## Reg. Percheron Stallion

for sale. Weight 2200. Grey, good breeder, extra good mover. **WATTS BROS., LECOMPTON, KAN.** half mile east and a half mile north Big Springs, Highway 40.

## Reg. Black Percheron Stallion

Two years old for sale. Weight 1,600 pounds.  
**FRED SCHIEFELBINE, NORWICH, KAN.**

## Reg. Percheron Stallion

for sale. Two years old. Or I will trade him for registered mare.  
**FRED HAY, ESKRIDGE, KAN.**

## Black Percheron Stallion

Coming 3 years old. Extra good.  
**LEE F. IRELAND, FLORENCE, KAN.**

## Reg. Percheron Stallion

Black—coming 3 years old, good quality.  
**MRS. JOE FOX, GREELEY, KAN.**

BELGIAN HORSES

## Reg. Belgian Stallions

At the 1936 Topeka, Kan., State Fair, our Belgians won Grand Champion stallion over all ages, best three stallions, and other Firsts. Sorrels and Roans priced right. 177 miles above *Kansas City*.  
**FRED CHANDLER, CHARITON, IOWA**

## REG. BELGIAN HORSES

JUSTAMERE STOCK FARM

**J. F. Begert, Owner**  
Topeka - - - Kansas

OFFERED FOR SALE

## Reg. Belgian Stallion

Sorrel, prize winner at the American Royal three times.  
**W. D. MCINTOSH, BURNS, KAN.**

POLLED HEREFORD CATTLE

## Polled Herefords

State and National fair winning blood lines. Yearling and two year old bulls for sale.

**GOERNANDT BROS.**  
Aurora - - - Kansas  
(Cloud county) **Worthmore**



HEREFORD CATTLE

## Domino-Bocaldo Bulls

16 low set, well marked, good ones. 12 to 18 mos. old, priced reasonable for quick sale. 2 miles south of **topeka**, on Highway 77. **John W. Williams, Jr., Marion, Kan.**

HAMPSHIRE HOGS

# HAMPSHIRE

20 gilts bred for March and April farrow. A few bred to High Score and the rest to Peter Pan and Master Key. 10 fall boars ready for service.

QUIGLEY HAMPSHIRE FARMS  
Williamstown Kansas

## 125 Good Bred Gilts

15 purebred Hampshires for early March to May farrow. Remainder big type and Spotted gilts bred to Hampshire boars for April 15 to May 25 farrow. Immune. Average weight 275 lbs., Feb. 15.

H. C. McKELVIE, R. 2, LINCOLN, NEBR.

POLAND CHINA HOGS

### Prize-Winning Polands

Can still spare three or four choice bred gilts by New Chief Pilot and two or three by Pathway and one or two by Gold Nugget, bred for spring litters. But write at once.

GEO. GAMMELL, COUNCIL GROVE, KAN.

### Fall Boars and Gilts

September farrow. Excellent bloodlines. Rugged Big Type with every pig.

LEONARD O. FOWLER, RUSSELL, KAN.

CHESTER WHITE HOGS

### Reg. Chester Whites

Bred gilts; also a few fall and winter boar pigs for immediate sale.

MARTIN CLAUSSEN, RUSSELL, KAN.

DUBOC HOGS

### Reg. Duroc Boars For Sale

Short legged, easy feeders. Also Chester White boar pigs. Poland China boars and gilts, some by Pathway, Champion 1936. Write for prices.

JOE A. WIESNER, ELLIS, KAN.

CHOICE BRED GILTS

offered from a recognized herd and sired by Supreme Ancher 3rd, by grand champion Wave Ave. Iowa 1932. Some by Sunbeam Pattern and Streamline Return. Also boars all ages. Fall boars and gilts by grand champion. Monarch Jr., and others.

Ben Hook & Sons, Silver Lake, Kan.

SPLENDID BOARS ALL AGES

Bred gilts. Excellent bloodlines. Rugged, heavy bodied, shorter legged, easier feeding, medium type kind. Shipped on approval. Registered. Send for catalog. Photos.

W. R. HUSTON, AMERICUS, KAN.

JACKS

## Jacks at Auction

Walker's Sale Barn

CLAY CENTER, KAN.,  
WEDNESDAY, MARCH 10

Several good jacks to clean up for the season. Jacks will be as represented.

B. E. HUGHES, CLAY CENTER, KAN.



### 60 Registered Jacks

Ready for spring service. World's largest breeders. Buy your jack now and have him ready for spring service.

Hineman's Jack Farm, Dighton, Kan.

### Four Good Jacks

ranging in age from 3 to 7 years old. Also one purebred Percheron stallion 4 years old and 10 yearling males.

Sheridan Mulhena, Beattie, Kan.

### Want to Buy a Jack?

If you do you better see one we offer for sale.

WATTS BROS., LEICHTON, KAN.

Farm half mi. east, half mi. north Big Springs, Highway 40.

SHEEP

## For Immediate Sale

A few car loads of good quality bred ewes. Bred to purebred Blackface rams. Lamb in April. \$5.50 to \$6.00 per head. F. O. B. cars. Santa Fe R. R.

LESLIE ELMORE, TYRONE, COLO.

AUCTIONEERS

**BART POWELL, AUCTIONEER**  
Livestock and Real Estate. Ask anyone I have worked for. Write or wire.

Best Powell, McDonald, Kan.

**HARLEY HANE, AUCTIONEER**  
Purebred livestock, farm and community sales.

Bronckton, Kan.

**MIKE WILSON, AUCTIONEER**  
Available for purebred livestock and farm sales.

HOFTON, KANSAS

**HOSTETTER ENGLE, AUCTIONEER**  
will conduct or assist on purebred livestock sales or farm auctions. (Holstein breeder.) Abilene, Kansas

## Valuable Booklets FREE!

Many of our advertisers have prepared valuable illustrated catalogs and educational booklets at considerable expense which are available to our readers without charge. We are listing below the booklets furnished by advertisers in this issue of Kansas Farmer and to obtain any of these, fill in the advertiser's coupon and mail, or write direct to the advertiser.

- How to Take Care of Your Pipe (page 7)
- Ready Reference Fence Guide (page 7)
- Catalog of Fruits and Flowers (page 8)
- Literature About Concrete Silos (page 10)
- Garden Tractor Catalog (page 10)
- Folder About Perfection Separators (page 10)
- Deere & Company Listers (page 11)
- Saddle and Harness Catalog (page 11)
- Chase 2-3 Row Listers (page 11)
- Packer & Mulcher Catalog (page 16)
- Information About Chase Basin Builder (page 16)
- Allis-Chalmers Farm Implement Booklets (page 17)
- Booklets on Sanitation on the Farm (page 24)

tendance somewhat and that it cut at least \$50 from the general average was generally believed by prominent breeders who attended. But breeders from 10 states absorbed the offering of 49 head in a very short time at an average of \$300. Nineteen bulls averaged \$427.00 and 30 heifers averaged \$221.00. The top bull brought \$1,025 and the top female \$430.00. It was a splendid offering from a great Hereford herd and the prices were very satisfactory.

The big sheep event of the season in the Middle West will be the reduction sale of registered Shropshire sheep to be held at Gatewood Farms near Haven, Kan., Thursday, Mar. 11. The fact that Geo. D. Merritt founded this great flock more than 25 years ago and has sold hundreds, maybe thousands of Shrops in Kansas and other states is a sufficient guarantee of the quality of the offering. Worth Otto who has direct charge of the flock advises that fully 100 head of ewes will have lambs at foot by sale day. These lambs are by outstanding good rams, the kind that have been used during the years to improve the quality of the flock. Sixty more will lamb soon and 40 choice rams, ones and twos, make up the sale. It will be an unusual opportunity for Kansas farmers and farmers in adjoining states who want to buy sheep. A catalog may be had by writing Gatewood Farms, Haven, Kan.

In this issue of Kansas Farmer you will read the advertisement of Fred Abildgaard, Winfield, Kan., for more than 20 years a breeder of high class Shorthorns, who is advertising a dispersal sale. Mr. Abildgaard's health is not so good any more and this is the reason for his closing out this good herd. The sale will number 25 head of breeding cows and heifers and some bulls and represents such families as are listed in his advertisement and many choice animals during the past 20 years have gone to other herds where they gave the best of satisfaction and strengthened the herds. During this time Mr. Abildgaard's herd has produced a number of prize winners at the Kansas National, Wichita, and district shows and county fairs. The herd is Tb. accredited and free from Bang's disease by test. There will be some work horses, sheep and farm equipment sold before noon. Write at once for the Shorthorn sale catalog.

David S. Klassen of Lehigh, Kan., will hold a reduction sale of registered and high grade Ayrshires and registered Hampshire hogs on his farm March 9. Mr. Klassen has bred Ayrshires for a dozen or more years, buying his foundation stock of E. T. Harper of Augusta, Kan., which in turn came from the best Wisconsin herds. Since that time Mr. Klassen has bought several bulls from good breeders, one from the Walz herd, and his present one included from the high producing herd of Mr. Ainsworth at Elmo, Kan. The herd is being sold down low and only a few heifers are being reserved. Forty choicely bred Hampshire hogs are being sold. They are good individuals and the breeding foundation and present breeding animals come from such herds as the Quigley, Hancock and Binderup herds. There will be mature bred sows and a fine lot of last fall gilts and boars. Part of the gilts will be bred, others sell open. This sale will afford an excellent opportunity to buy good breeding stock that has been wintered.

On their separate farms near Assaria, Kan., M. H. Peterson and A. N. Johnson have for several years been striving to develop a type of Shorthorn with plenty of milk and butterfat production and still retain the good fleshing qualities of the Shorthorn. To do this they have gone far in making selections and developing types that suited the ideas of these progressive young breeders. Sometimes mistakes have been made, that is, not in every instance has the animal produced with such effort fully measured up to the expectations of the breeder, but as a whole the herd shows a world of beef quality combining heavy production. The big roan bull formerly used and the sire of many bulls now for sale had a wonderful dual purpose background, few bulls could be found with more milk production ancestors without the loss of beef qualities. He is being followed with Fair Acres Judge, a deep red bull with as much or more milk heritage than his late predecessor. Johnson and Peterson have about 60 head in the two herds and now offer a choice lot of young bulls sired by the above-mentioned sires.

Here is a letter from Geo. Gammell, Council Grove, Kan., who owns one of the very top herds of Poland Chinas in Kansas, the herd that won so heavily at the Kansas state fair, Hutchinson, last fall: "Sold a top boar this week and a nice bred gilt to Joe Wiesner, Ellis, Kan. He bought three bred gilts here a year ago. The boar we sold him is by Pathway and I consider him one of the best prospects we have sold in some time. Mr. Wiesner is a new breeder, a good feeder and care taker and no doubt will develop this boar properly and if he does he will be hard to beat in the show ring next fall. We are planning to take out nearly a full show herd to the fairs next fall. We are not trying to breed a strictly show type but one that meets the approval of the farmer in size, quality and easy feeding along with prolific litters. Our spring pigs are just beginning to arrive (Feb. 19) and we will have several litters more soon." Mr. Gammell is offering a few gilts by New Chief Pilot, a few by Pathway and a few by Gold Nugget that will farrow in March. Look up his advertisement under Poland Chinas in this issue.

### Public Sales of Livestock

- Hereford Cattle  
Mar. 1 and 2—Round-up sale, Kansas City, Mo.
- Shorthorn Cattle  
Mar. 4—Fred Abildgaard, Winfield, Kan.  
Apr. 7—Annual spring sale, Southern Kansas Shorthorn breeders sale, Wichita, Kan. Hans Regier, sale manager, Whitewater, Kan.
- Holstein Cattle  
Mar. 31—A. F. Miller and R. S. Lyman, Haven, Kan. Joint sale.
- Ayrshire Cattle  
Mar. 9—David S. Klassen, Lehigh, Kan.
- Milking Shorthorn Cattle  
April 10—Jas. R. Peck, Neodesha, Kan.
- Dairy Cattle  
March 8—W. L. Guy, Atwood, Kan. Dispersal sale.
- Duroc Hogs  
March 1—Carl C. Anderson, Jamestown, Kan.  
April 6—Harry Givens, Manhattan, Kan.
- Percheron Horses  
March 1—Carl C. Anderson, Jamestown, Kan., Cloud county. Dispersal.
- Shropshire Sheep  
March 11—Gatewood Farms, Haven, Kan., Reno county.

# Gatewood Farms Shropshire Sheep Auction



On farm 3 miles east of Haven (Reno County), Kansas. Haven is located on Highway 96 and 8 miles south of Highway 50 South.

Thursday,  
March 11

## 260 Registered Shropshire Sheep

160 good quality ewes. 100 or more with lambs at foot sale day. Remainder to lamb soon. To service of RINK rams.

40 1 and 2-year-old rams. A select draft from one of the largest and strongest registered Shropshire flocks in America. Founded 25 years ago with the best BUTTAR and TANNER foundation. We have continued to buy and use the best rams from leading breeders.

For catalog address—

## Gatewood Farms, Haven (Reno County) Kan.

GEO. D. MERRITT and WORTH OTTO

Auctioneer: Boyd Newcom

Fieldman: Jesse R. Johnson

## Dispersion Percheron Horse Sale

At farm located on Highway 28—6 miles west and north of Concordia, Kansas—

Monday, March 1st

### 18 REGISTERED PERCHERONS

10 bred mares—(most of them to Brilliant No. 164421) included in the sale, along with 8 young stallions, 1 coming two years old and two others coming yearlings. Fillies, mares and younger stallions make up the offering. Several head sired by CHARNOT (bred by W. S. Corsa) and a grandson of Carnot. Others carry the blood of CASINO III, CALYPSO, and other noted animals. Four of the mares are being consigned by L. L. Humes of Glen Elder, Kan. We also sell 12 pure bred but not eligible to register Duroc bred gilts, and 3 boars eligible to register. Write for catalog to

## Carl C. Anderson, Jamestown, Kansas

Aucts.: Jas. T. McCulloch and Jack Mills

Jesse R. Johnson with Kansas Farmer

## Reduction Ayrshire—Hampshire Sale

On Farm, 3 Miles Northwest of Town

Tuesday, March 9

25 AYRSHIRES, 15 registered, rest high grades. 10 in milk or near freshening. Everything old enough, bred to Mell Burn's Buster Keaton, bred by Ainsworth. Bull also in sale and 10 choice bull and heifer calves by him. 40 Registered Hampshires, 4 mature bred sows and 40 fall boars and gilts, some gilts bred. Foundation of herd DEFENDERS ROSE, bred by Quigley. Much of offering carries the blood of BARTMOUTH, bred by Benderup. For more information or catalog address the owner—

## DAVID S. KLASSEN, LEHIGH, KANSAS

Boyd Newcom, Auctioneer

Jesse R. Johnson, Fieldman

## ANNOUNCING THE DISPERSAL SALE OF Fred Abildgaard's Herd of Reg. Shorthorns

Sale at the Farm, 9 Miles east of Winfield, Highway 160

Winfield, Kansas, Thursday, March 4

This herd has been in existence more than 20 years and has produced high class cattle and prize winners. In the sale are 25 head, breeding cows, heifers, and bulls of exceptional merit. They represent Lavender, Augusta, Missie, Columbia and Rosemary families and through the sires used the was the progeny of Imp, sire and dam. An excellent breeder. Herd Tb. tested for years and free from Bang's disease by test. Work horses, sheep and farm implements sold before noon. For catalog write to FRED ABILDGAARD, Owner, WINFIELD, KAN., Rural Route 6 Lunch on the Grounds Boyd Newcom, Auctioneer Jesse R. Johnson, Kansas Farmer

### Dairy Cattle Dispersion Sale

## 70 HOLSTEINS and JERSEYS

Sale at my farm adjoining Atwood on the southwest, intersection highways 25 and 96, Atwood, Kansas, Monday, March 8th

I am discontinuing the dairy business and will sell my entire herd on the above date. The offering consists of 20 cows from 3 to 8 years old; 15 coming 2-year-old Holstein heifers, all bred, some with calves at side sale day; 16 Holstein heifer calves. Cows and heifers old enough, bred to registered bull from K. S. C. herd; 20 Jersey cows and heifers from 3 to 7 years old. Also registered Jersey bull, 3 years old. Majority of cows from purebred stock but not eligible to record. The herd is clean and all the cows have sound udders. Many cows to calve during the spring and early summer. Write for sale bill announcement.

## W. L. GUY, OWNER, ATWOOD, KANSAS

Bert Powell, Auctioneer

# Best Oats Seed—Smut Danger— K. S. C. Service—Salted Silage

HENRY HATCH  
Jayhawker Farm, Gridley, Kansas

THE door is opening on a new crop season. Already oats seeding is seen along the way. Last year, with the field plowed the fall before, the drag harrow was started on the dried surface when a foot of frost was still below the several inches of thawed earth. It will be remembered we had little snow in this end of the state, but a long period of low temperatures that put more than 2 feet of frost in the ground. Under these conditions we deeply drilled our oats, finishing the field the last day of February. This oats field averaged 42 bushels to the acre. Again we have fall plowing waiting for this year's seeding, which we hope to finish early.

### We Must Treat for Smut

Again we are making a rigid cleaning of our oats seed, the Texas variety grown here for 8 years. A common fanning mill is used, with plenty of wind and speed, for what difference if a large quantity "goes over," it still makes good feed! This is our way of getting the best of oats seed, and by following this plan our variety is improving from year to year. We must not forget to treat for smut this year, for it was "the worst ever" everywhere last year. The "seed" of it still is right with our seed in the bin, and we must do all we can to destroy it before seeding. Many easily used and not too expensive smut treatments are on the market, and some still stick to the formaldehyde spray. Smut was strong enough to show up some last year, no matter what was done. But fields that were 30 per cent smut where not treated warn us not to get in such a hurry to seed this spring we neglect to treat for smut.

Altho we lost all Sweet clover seeded on the wheat and oats fields last spring, we still have some seed left and will try, try again, this spring. Someone

has said the easily discouraged do not linger in Kansas, and that we who are here are "a survival of the fittest," those who have the inborn determination to "stick," and because of this they finally win. My father, who was in his army, was an admirer of General Grant, and often quoted his famous declaration, "I'll fight it out on this line if it takes all summer." The present farmers of Kansas are determined to fight it out on this line if it takes several summers. And so, this bright spring morning, with the wild ducks and geese coming north, a tinge of green showing where there is early grass, the song of the meadow lark cheering the early morning, there is new hope, courage and determination.

### Our Silo Experiment Works

A little experiment tried at silo filling time now is proving out better even than we hoped—salting the silage. Salting hay has been handed down to us from Grandfather's practice of doing it with his clover and timothy, back in Vermont. Why not silage for the same effect. But how much to use? We pondered this for sometime. How much salt cattle should eat while eating 140 tons of silage was a puzzler to us. It was settled by using 1,400 pounds, which according to my Ray's arithmetic method of computing figures is 1 pound of salt to each 200 pounds of silage, or 1/2 of 1 per cent by weight. This guess seems to be working out very well. It is noticed that the cattle eat very little from the blocks of salt always before them, which seems to indicate their salt requirements are about taken care of by the salt in the silage. It is noticed this silage has been better preserved in color, has a good smell and a well flavored taste. It also seems to have retained its moisture better, not having settled from the edge as has so much of the silage of

this year, and in freezing weather it lets loose from the walls better than silage usually does.

### Week of Profit and Pleasure

Our visit to Farm and Home Week, those days spent at our great Kansas State College—the farmers' service station—slipped by all too quickly. Attendance from over the state was greater than ever before, over-taxing the capacity of most buildings. On Friday the College Cafeteria served more than 1,800 meals, and hundreds more scattered to the restaurants of the town. More and more farmers from every county of our state "make Manhattan" for this annual week of profit and pleasure. As those who attend return home and tell neighbors of what they learned, the urge to go widens, so now Farm and Home Week has become the greatest clearing house for practical scientific ideas and experimental results in all the wide West. Many folks come in organized groups, chartering busses. There are now as many farm ladies as there are farm men in attendance. I hope to see in the future a great building on the grounds that will take care of the increasing attendance.

### Why Not a Good Year?

Moving day is to be here day after tomorrow. It has been 41 years since we moved, so perhaps I should know little about it. Trucks make it a quicker job than it was then, but for all that, isn't it just as costly? Getting settled and used to a new farm is a lot, but there are some who shift so often they have formed the habit and seem to like it. In this connection I never can quite forget Ben Franklin's philosophy as expressed in a copy of his Poor Richard's Almanac: "I never knew an oft transplanted tree to thrive as one that doth more settled be." It seems to me that is as true now as then. But many are moving this year, some, perhaps, for better; some, assuredly, for worse. I always feel sorry for the one who is moving for the worse, and who knows it at the time of making the move. Always, however, there is the hope—that this year will be so good that fine crops will grow everywhere, even on the poorer soil.

### Dusting Oats Paid 117 to 1

JOHN O. MILLER

An investment of \$2.25 for New Improved Ceresan, a commercial chemical dust, to treat his oats, returned Earl Bunge, Coffey county, \$262.50 last year. Mr. Bunge treated enough seed for 35 acres, this acreage yielding 1,525 bushels. Some of the same seed, untreated, in an adjoining field contained 35 per cent smut. This meant that 533 bushels of oats worth 50 cents a bushel were saved by seed treatment.

### "A Bushel of Corn Per Tail"

Editor: Since everyone is invited to "speak his piece" I rise to remark on the recent discussion in city papers about cutting off a pig's tail saving a bushel of corn in getting him ready for market. I always feel my hogs are doing well if they have curls in their tails, but never have thought it took a bushel of corn to keep the tail going until marketing time. But the city people no doubt are eating up the idea and calculating all the corn we've lost by counting the number of hogs. I have known farmers who believed this, but have yet to see any good proof brought out.—J. L. K.

### Lime Helped Sweet Clover

One hundred and fifteen bushels of Sweet clover seed from 20 acres last summer, was George Horttor's yield, on his farm near Blue Mound. It was grown on limed upland soil and was planted in 1935 with small grain. This seed was harvested with a small combine which handled it satisfactorily. The clover was grazed down short until May 15, after which it grew to a convenient height for handling. Combined clover seed usually is wet and green but if piled out in layers only a few inches deep and turned with a scoop it will not heat enough to damage germination.

**REVEALED!**

**PREMIUM PRICES**

ED BELL'S HOGS GET A PREMIUM AGAIN! HE MUST KNOW SOMETHING ABOUT RAISING HOGS THAT I DON'T.

HERE COMES ED NOW. LETS ASK HIM WHAT HE DOES TO GET SUCH PRIME HOGS.

HELLO, ED. SAY, LET US IN ON YOUR SECRET, WILL YOU? HOW IN HECK DO YOU GET PREMIUM HOGS ALL THE TIME?

WELL, BOYS, THERE'S NO SECRET ABOUT IT. I JUST SEE TO IT THAT ALL MY FEED MAKES PORK INSTEAD OF FATTENING ROUNDWORMS

I FOLLOW THE LEWIS' LYE SWINE SANITATION SYSTEM. THIS KEEPS THE PREMISES CLEAN AND DESTROYS ROUNDWORM EGGS BEFORE THEY INFEST MY HOGS.

SOUNDS GOOD TO ME.

FROM WEANING TIME ON I ADD 1/4 CAN OF LEWIS' LYE TO 50 GALS. OF SLOP EVERY DAY. THIS IS GREAT TO KEEP HOGS THRIFTY, MAKE FEED GO FARTHER, AND HELP CONTROL ROUNDWORMS.

NOTHING HARD OR EXPENSIVE ABOUT THAT. BELIEVE ME MY NEXT BATCH OF HOGS WILL BE RAISED WITH LEWIS' LYE.

**LEWIS' LYE**  
Is a PREMIUM Lye  
yet costs no more

Lewis' Lye has been America's premium lye for over 50 years. Lewis' Lye is pure, powerful, always the same chemical content. Lewis' Lye is used and recommended by leading Agricultural Authorities and farmers everywhere. A void substitutes! Ask for Lewis' Lye by name. Now 10c!

Penn. Salt Mfg. Co., Dept. 52, 20 N. Wacker, Chicago, Ill.  
Please send free hog sanitation literature. I also would like information on  Feeding to Hogs,  Dairy Sanitation,  Poultry Sanitation,  Soap Making.

Name.....  
Street Address or R. F. D.....  
Town and State.....