

# KANSAS FARMER

CONTINUING

MAIL & BREEZE



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## BEEF

### The Way Dad Grows It

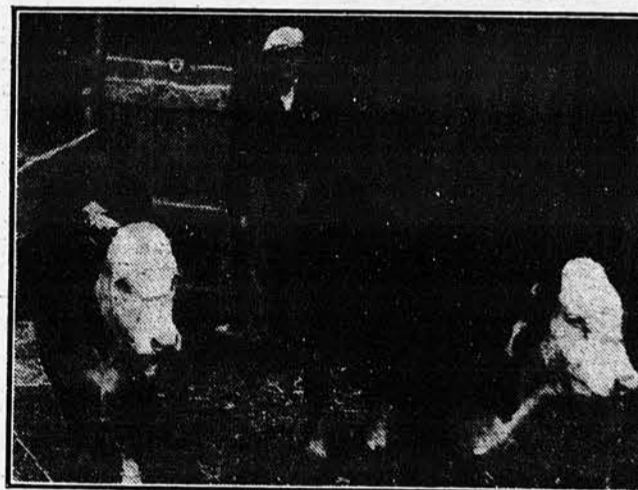
**T**HIRTY boys and girls in Jewell and Ottawa county 4-H clubs are planning their feeding projects, not with an eye to winning honors, but to make a profit from home-grown roughage, grass and grain. Their system is identical to that proved practical by the animal husbandry department of Kansas State College and used by hundreds of Kansas farmers—the deferred full-feeding plan of fattening beef calves. This system includes wintering to gain nearly 250 pounds, grazing for 90 days, then full-feeding for about 100 days.

Last fall Victor F. Stuewe, Jewell county agent, bought 55 head of choice Hereford calves. Nineteen were taken by 18 Jewell county boys and girls at cost. The remaining 36 head were handled as a check lot by Robert Shafer, Jewell.

Wide variation of feeds, due to 1936 drouth conditions, was the primary reason for varying gains and costs among the project members during the wintering period. However, these differences were expected, and served to bring out the importance of wintering well at reasonable cost. Julian Rotman, Cawker City, had the best record up to May 1. His calf gained 260 pounds in 130 days with the benefit of a good shrink at the beginning. The ration fed was 3 pounds corn, 18 pounds silage and 5 pounds alfalfa daily. His cost for 100 pounds gain was \$5.68. Initial cost, all charges of vaccination, shrinkage, dehorning and trucking included, was \$9.06 a pound. However, Julian's profitable wintering gain brought his total investment down to \$7.88 a hundred on May 1.

On May 1, Mr. Stuewe who now is Ottawa county agent, took 18 of the calves from his check lot to Ottawa county, where they were taken by club members who will continue the idea of grazing 90 days and then full feeding.

Kansas Farmer will report further on these calves. Final profits or losses will be most important.



### READY FOR GRASS —

Top, above: Julian Rotman, Cawker City, exhibits his calf on the May 1 tour of the deferred-feeding projects.

Above: Marvin Eberhart, Jewell, with his calves which received an extra heavy wintering allowance of oats.

At left: "Vic" Stuewe offers a can of grain to the calves belonging to Rolla and Dale Henningson, Mankato. Rolla and Dale are standing behind their calves.



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Others Proportionately Low

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# Firestone

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## WIBW Program Schedule

(Daily except Sunday)

May 22 Thru June 4

- 4:00 a. m.—Sons of Pioneers.
- 4:30 a. m.—Alarm Clock Club.
- 5:45 a. m.—News.
- 6:00 a. m.—Ole and Bunkhouse.
- 6:15 a. m.—Edmund Denny.
- 6:30 a. m.—Roy Faulkner.
- 6:45 a. m.—Henry and Jerome.
- 7:00 a. m.—Uncle Ezra's Hour.
- 8:00 a. m.—Gene and Glenn.
- 8:15 a. m.—Unity School.
- 8:30 a. m.—News.
- 8:45 a. m.—Roy Faulkner.
- 9:00 a. m.—IGA Program.
- 9:15 a. m.—Ma Perkins (except Saturday).
- 10:30 a. m.—Protective Service and Anti-Crime Assn.
- 10:40 a. m.—Weather Bureau\*.
- 10:45 a. m.—Uncle Ezra and Aunt Fay.
- 11:00 a. m.—Monticello Party Line.
- 11:15 a. m.—Dinner Hour.
- 12:00 noon—H. D. Lee News.
- 12:15 p. m.—Markets.
- 2:00 p. m.—News.
- 2:15 p. m.—Jane Baker, the Kansas Home-maker.
- 2:30 p. m.—Harris-Goar's Street Reporter.
- 2:45 p. m.—Roy Faulkner.
- 3:00 p. m.—Variety Quarter Hour.
- 3:15 p. m.—Kansas Roundup.
- 3:45 p. m.—Organalities—Karlan's.
- 4:00 p. m.—Henry and Jerome.
- 4:15 p. m.—News.
- 5:30 p. m.—Alexander Woolcott (T-Th).
- 5:30 p. m.—Children's Hour (M-W-F).
- 5:45 p. m.—News.
- 6:00 p. m.—Ackerman-Brock Norge program (M-W-Th-Sat.)
- 9:00 p. m.—Marling Gossip (except Sat.)
- 9:15 p. m.—Kitty Keene, Inc. (except Sat.)
- 9:45 p. m.—Emanuel's Melodies (except Mon.)
- 10:00 p. m.—Franklin News—Joe Nickell.
- 10:15 p. m.—Tom Kelly's Sport Revue (except Sun.)
- 10:30-12:00—Dance orchestras.

### Highlights of the Next Two Weeks

Saturday, May 22, and May 29

- 9:25 a. m.—Farm Bureau.
- 5:00 p. m.—Saturday Night Swing Club.
- 5:30 p. m.—Potpourri.
- 6:30 p. m.—Chevrolet Musical Moments.
- 7:00 p. m.—Kansas Roundup.
- 8:00 p. m.—Lucky Strike Hit Parade.
- 8:45 p. m.—Universal Rhythm.
- 9:30 p. m.—Harlem Minstrels.

Sunday, May 23, and May 30

- 8:00 a. m.—Church of the Air.
- 8:30 a. m.—Reading the Capital Funnies.
- 9:00 a. m.—Organ Moods.
- 9:30 a. m.—Major Bowes' Family.
- 10:30 a. m.—Salt Lake Choir and Organ.
- 11:00 a. m.—First Methodist Church.
- 12:00 noon—Organalities.
- 12:30 p. m.—Living Drama of the Bible (C).
- 1:00 p. m.—The Coleman Family.
- 1:30 p. m.—The Sunday Players.
- 2:00 p. m.—The Spelling Bee.
- 3:00 p. m.—Topeka High School Musicals.
- 3:30 p. m.—The People Speak (May 30)
- 3:45 p. m.—Tuning Around.
- 4:15 p. m.—News.
- 4:30 p. m.—Chevrolet Musical Moments.
- 5:00 p. m.—Christian Science.
- 5:15 p. m.—Harmony Hall.
- 5:30 p. m.—SENATOR CAPPER.
- 5:45 p. m.—News.
- 6:00 p. m.—1937 Twin Star Revue.
- 6:30 p. m.—Eddie Cantor-Texaco Town.
- 7:00 p. m.—Ford Sunday Evening Hour.
- 8:00 p. m.—Gillette Community Sing.
- 8:30 p. m.—Singing Strings.
- 8:45 p. m.—H. V. Kaltenborn.
- 9:00 p. m.—Musical Interlude.
- 9:05 p. m.—Dance Orchestra.
- 9:45 p. m.—Emanuel's Melodies.
- 10:00 p. m.—Franklin News—Joe Nickell.
- 10:15 p. m.—American Legion.
- 10:30-12:00—Dance orchestras.

Monday, May 24, and May 31

- 6:45 p. m.—Sheahan and Degan Present.
- 7:15 p. m.—Gibbs Musical program.
- 7:45 p. m.—The Crime Patrol.
- 8:00 p. m.—Wayne King's orchestra.
- 8:30 p. m.—Edmund Denny—K. P. & L.
- 9:30 p. m.—Pacific Paradise.

Tuesday, May 25, and June 1

- 5:30 p. m.—Alexander Woolcott.
- 6:00 p. m.—Hammerstein's Music Hall.
- 6:30 p. m.—Rubinoff.
- 6:45 p. m.—McKinney and Kenna.
- 7:00 p. m.—Watch the Fun Go By.
- 7:30 p. m.—Jack Oakie's College.
- 8:30 p. m.—Phillips Poly Follies.

Wednesday, May 26, and June 2

- 6:30 p. m.—Laugh with Ken Murray.
- 7:00 p. m.—Lily Pons—Chesterfield Hour.
- 7:30 p. m.—Palmolive Beauty Box Theater.
- 8:30 p. m.—Babe Ruth.

Thursday, May 27, and June 3

- 5:30 p. m.—Alexander Woolcott.
- 6:30 p. m.—Rubinoff.
- 6:45 p. m.—McKinney and Kenna.
- 7:00 p. m.—Major Bowes' Amateurs.
- 8:45 p. m.—Jerry Cooper—songs.

Friday, May 28, and June 4

- 6:00 p. m.—Broadway Varieties.
- 6:30 p. m.—Hal Kemp's orchestra.
- 7:00 p. m.—Hollywood Hotel.
- 8:00 p. m.—News Review of the Week.
- 8:30 p. m.—Babe Ruth.
- 8:45 p. m.—Gibbs Musical program.

### Baby Chicks Distributed

The business and professional men of Girard have advanced funds to distribute baby chicks to 4-H boys and girls of the community. Recently 100 units of 25 chicks to the unit were given out. Every boy and girl is to bring out birds from his unit to a county show to be held in November. These will be sold and the proceeds are to be used to repay the sponsors and expenses of the show.



## WE ARE EIGHT

By TUDOR CHARLES

### A Family United To Hold The Soil

THE 7 Stoecker brothers and their brother-in-law, Rueben Nicholson, in Logan county, have been solving their soil problems thru what we may call by the broad term—co-operation. These brothers, August, Barney, Carl, Emil, Godlieb, John and Fred, keep an eye on their land. When it needs working to prevent wind erosion they get at the job. They have had no erosion, of any consequence, in their community.

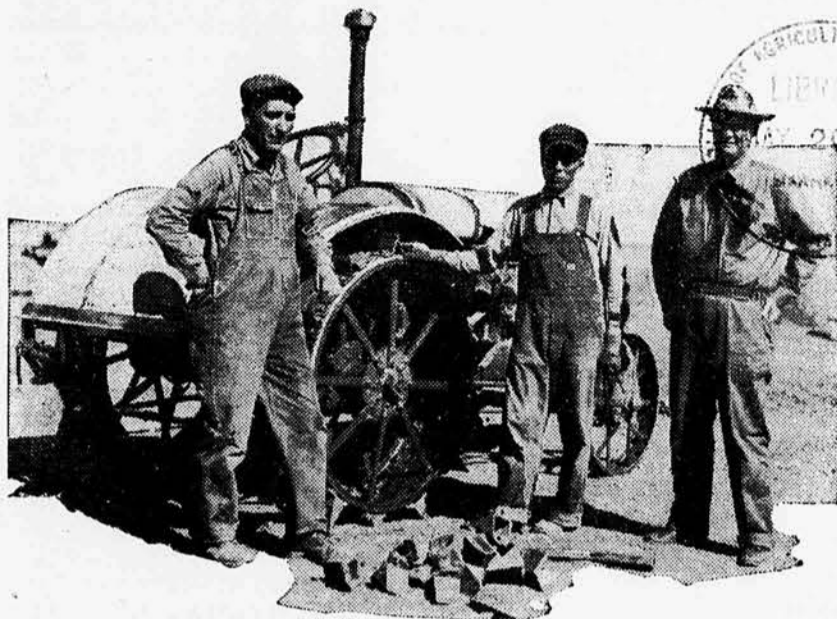
All the land is held and managed separately. This is not collective farming in any sense. The Stoecker family has farmed in Logan county since 1908.

Most of the land they own and operate lies close together. More than half of their 3,520 acres is in native grass and this tends to cut down the threat of blowing. The brothers have about 1,000 acres of wheat this year. It was protected during the spring blowing period by strip listing and working with a duckfoot cultivator. This practice has proved satisfactory for holding wheat fields if done early

before serious blowing begins. The scattered furrows seem to deflect the air currents from the earth's surface. When danger of blowing is past, the land is leveled again and the wheat usually comes up to a fair stand even where the furrows were made, unless growing conditions have been particularly unfavorable.

This habit of the Stoecker family of working together if necessary to control their soil and crops proves that much serious wind erosion can be controlled. Whether farmers in general in any community or county can co-operate well enough to "get the job done" is quite another matter. We do know the desired "end" can be accomplished if the "means" of doing the necessary work can be found. What the Stoecker brothers have done in this regard has not been so unusual, but the lesson it has driven home is valuable.

They co-operate in many other ways. Much of their machinery is owned in common, and what isn't owned that way is exchanged freely. They have a



Rueben Nicholson, at left, and Barney Stoecker, center, have been telling Agent V. S. Crippen how the new "spade" lugs on this tractor will increase its power.

new rod-weeder, and 5 tractors and 2 combines are used on the entire 5½ sections of land.

Every brother maintains his own livestock and poultry business. Barney has an inclosed pit silo and stores all available feed in it. He is planning a new dairy barn for a maximum of 20 cows, and is to install a milking machine. He believes in storing plenty of feed where he can hold it several years. He keeps a dual-purpose type of cow, but is going to pay attention to heavier milk production. The type of cow he has, good red stock, has been

"bringing in \$1.50 a week in butterfat and raising a calf besides."

Livestock is necessary to proper handling of Western Kansas land, the Stoecker brothers believe. Sorghums, for livestock feed, are going to play an increasing part in providing cover for the soil. They are planted after the blowing danger is past, and they provide ideal cover for the soil during winter and early spring, particularly when the combine types of milo are grown. If the milo crop should fail, the ground can be worked rough to control the soil. Listing has been most effective.

## Season Opens on Grasshoppers

ONE of the biggest questions in the minds of Kansas farmers now is, "How many grasshoppers?" Prof. D. A. Wilbur, entomologist of Kansas State College, said a great many farmers are asking that question.

Only the farmer himself can answer the question for his farm, Mr. Wilbur pointed out. For the most part every farmer will have his own hoppers in 1937, or a few from just across the fence. There is no likelihood now of migratory hoppers coming in, and the "home town" type of hopper moves only short distances on the ground.

If you want to get an idea how many hoppers threaten your 1937 crops, go out along the headlands, or in the pastures near cultivated fields, and look

in the grass for little hoppers. By this time many of them are hatched out. If they are thick, you may expect trouble later on, and it will pay to put some poison out for them while their appetites are small. Bran is going to be expensive feed even for grasshoppers this summer. Grasshoppers are seldom found in brush at this time of year, Mr. Wilbur pointed out, but they may be in grass along the edges of brush and woods.

Mr. Wilbur is working now on a machine built to crush little hoppers. While the mature hopper is hardy and not easily injured, a baby hopper is very delicate. It is difficult to pick up a newly born hopper and lay it down without injuring it. Farmers will watch the progress of Mr. Wilbur's hopper-

smashing machine with interest. However, for this summer we will have to depend upon poison, hopper-dozers, and hopper-resistant crops for protection. Every man is his own judge as to how much faith he wishes to place in luck. There are more certain means.

The two "stand-bys" of 1936 poisoning work seem best for 1937, with some substitutions for economy. Bran—20 pounds; white arsenic—1 pound; syrup or cheap molasses—2 quarts; oranges or lemons—3; and water—3 gallons, is the standard mix. While good results were obtained in some cases without the fruit in 1936, it is thought hoppers were more greedy because of lack of green feed. There will be more vegetation this year. The fight is starting earlier and growing condi-

tions for crops will likely be better.

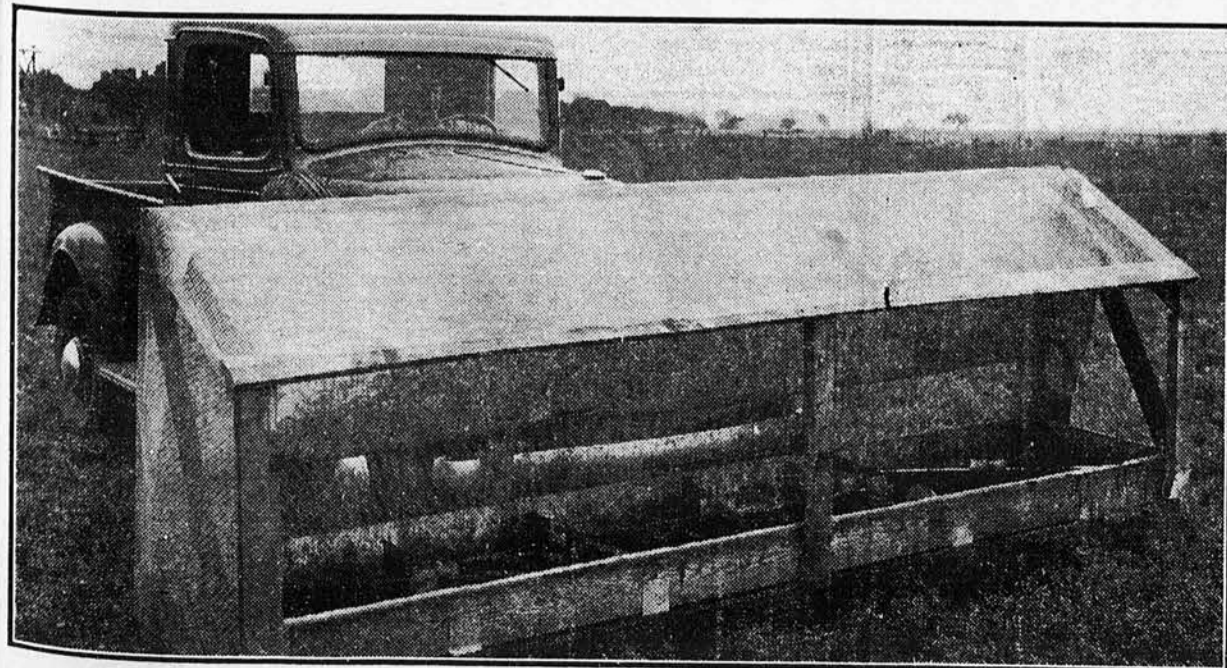
Sawdust has been substituted for half of the bran with good results. And to save buying \$40-a-ton bran, you can use low-grade or weevily flour if you can buy it cheaper than bran.

Last year a mixture of 4 pounds of sodium arsenite to 1 gallon of water was sent out by the federal government as ammunition in the grasshopper fight. It proved satisfactory and convenient and was bought and used privately by many farmers. One pint of the poison is mixed with 3 gallons of water and added to 20 pounds of bran or bran substitute. The fruit juice and molasses is added, too.

An important point in mixing grasshopper "bait" is to get just the right amount of moisture. If it won't break up and float out in fine particles as it is scattered it is too moist, and birds or poultry may get it.

A plan used by Charles Lagasse and his son, of Cloud county, last summer was to scatter the poison from the rear end of a truck, by means of a paddle. This was dipped in a tub of the bran poison and thrown out with a flip of the wrist.

Under the head of hopper-resistant crops come the sorghums, which are seldom bothered after they have grown a few inches high. As they came thru the ground hoppers ruined many sorghum stands in Western Kansas last year, but fields which obtained a start suffered almost no damage.



A hopperdozer used on the John Speck farm in Rice county. The oil pan at the base is divided by strips of waste tin to reduce splashing. Hail screen forms the back side where the "dozer" fastens to the car bumper. Above this is sheet metal. The opening provides a current of air to pull the hoppers downward into the oil-covered water.



# Big Salaries May Only Inflate Ego

Passing Comment by T. A. McNeal

**A** BILL has been introduced in the Senate of the United States by Senator Copeland of New York providing for the establishment of a "Bureau of Coördination of Milk and Milk Products Regulation in the Department of Agriculture." The bill provides for creation of the office of national coördinator of milk and milk products. The business of this coördinator is to establish a uniform policy in the production, sale and distribution of milk and milk products by the various states. The salary of the coördinator is fixed in the bill at \$12,000 a year. One of the objections I have to centralized control of business at Washington is the fact that whenever a new office is created it carries a salary of at least \$10,000 a year and very often more than that. If the legislature of Kansas should create a lot of 10 or 12 thousand dollar jobs the party in power when the jobs were created and salaries would last only until the next general election.

The further the government is removed from the people who have to pay the bills, the more expensive it is. I am opposed to the creation of a multitude of new offices and I am still more opposed to the creation of big salaries. I have noticed that when a man gets into a \$10,000 job his ego becomes inflated and pretty soon he is obsessed with the idea that his services are worth even more than the \$10,000 salary he receives. So long as he had to hustle for a living, and a salary of a hundred dollars a month looked like affluence to him, he was willing to work hard to earn it, but when by reason of political pull he is lifted into a job that pays \$10,000 a year or more, he begins to think that the country could hardly get along without him and that because of his great value he ought to be careful of himself and not injure his health by overwork. Of course, that is not always true, but is, I think, the general rule.

Out of this proposed bill, however, I do get some interesting figures. For example, of a total of 6,288,648 farms in the United States, 604,837 are listed as strictly dairy farms. The number of dairy cows is 25 millions and the total number of pounds of milk produced annually is 103 billion pounds. Estimated income from farm crops and livestock in 1935 amounted to 6,703 million dollars. The same year the estimated income from milk and milk products amounted to \$1,680,625,000. This was more than one-quarter of the total income from all farm products for that year.

There is no doubt that the average income from milk cows might be tremendously increased. Figures deemed reliable show the average yearly number of pounds of butterfat to the cow is approximately 162 pounds, while it has also been demonstrated the yield might easily be doubled by raising a better grade of cows. In other words many farmers might either double their output without increasing the number of his cows, or he might produce as much butterfat as he now produces with half the number of cows he is now feeding and milking.

## Kansas Wheat Crops

**A**GRICULTURAL statisticians are estimating a wheat crop around 150 million bushels in Kansas this season. Let's hope they are right. However, a crop forecast has been known to go haywire now and then in the past and we will all feel easier when the estimated number of bushels are actually in the granary.

If the yield holds up to estimate it means that Kansas this year will almost double its average annual yield of 88,632,900 bushels covering the past 48 years. The average yield per acre during the 48 years was 12.51 bushels. The average price received was 86 cents per bushel and the average annual value of the crop was \$80,966,400.

The greatest wheat crop ever harvested in the state was in 1931—239,907,709 bushels. The number of acres harvested that year was 12,345,596. The average yield per acre was 19.43 bushels, the largest

## More or Less Modern Fables

**A** FEMALE who labored under the impression that she could sing, was imposing upon a long-suffering company at an evening party. When she had finished her first selection her host politely insisted that she sing again. Whereupon the Thomas cat sitting near by remarked to himself: "Just the other night I sat on the backyard fence and yowled just like that female and the man of the house came out and swore and threw old boots and stones and other things at me—but he asks her to sing again."

## Which? Dandelion or Dust?

ED BLAIR  
Spring Hill, Kansas

There is some competition here sir  
This spring, but not in fishin' here sir;  
Our people now are most excited  
O'er dandelions, uninvited;  
We have 'em growin' in the yards, sir  
Where ground is soft and where it's hard sir  
These flowers are anathema sir  
To folks who pluck, yes pluck each day, sir.

Big baskets full of golden yellows  
And sacks full too, where toiling fellows  
On bended knees are daily pluckin'  
To help the chaps who do the truckin'!  
There's Dey and Zigler working daily,  
And women too, Miss Frances Bailey  
And, well, too many here to mention  
Give now, these pests, their whole attention!

There are some bets tho, on whose winnin',  
Tho some yards show, a slight bit, thinnin',  
But doubters always throw cold water  
To make men's worthy efforts totter.  
Says Truthful James, "South-west winds  
blowin'  
"Make ridin' up here easy goin'  
"Instead of dust that fills the air sir  
"It's dandelion seed up there, sir!"

during the 48-year period with the exception of the year 1914, when the average was 19.85 bushels.

The smallest crop harvested during the 48 years was in 1895, a total of only 16,001,060 bushels. The average yield per acre was 3.84 bushels and to make matters worse the price was low that year, only 47 cents per bushel. The lowest average price for wheat during any of the 48 years was in 1932 when the price fell to 29 cents.

While Kansas wheat raisers were supposed to be reducing their acreage, the largest acreage ever sown and harvested in the history of the state was last year. The total was 12,680,612 acres. The largest corn crop ever grown in the state was in 1889 when 273,888,321 bushels were raised, but the total cash value of that great crop was only \$51,649,876. In 1917 the Kansas corn crop was only 106,166,157 bushels but its cash value was \$121,540,410.

Last year made a record with the smallest corn crop ever grown in the state, only 3,299,491 bushels, and we are amazed that there was even that much.

While I have never boasted of Kansas as a great corn state, the figures for these 48 years are better than I had supposed. The average crop for the 48 years is 102,330,300 bushels and the average yield per acre 18.65 bushels.

The average annual price of wheat during these 48 years has ranged from 29 cents a bushel to \$2.06 per bushel. The annual average price for corn during the 48 years has ranged from 17 cents in 1896 to \$1.44 per bushel in 1918.

## Kansas Weather

**H**AS the annual rainfall in Kansas increased or decreased during the past 48 years?

What is the difference in the average annual rainfall between central Kansas, say, at Wichita, and western Kansas, say at Dodge City?

What years have been the wettest and what years have been the driest during this period?

I am indebted to C. Q. Chandler, leading banker of Wichita, for a compilation of interesting statistics covering the years from 1889 to 1936 inclusive, a period of 48 years, and answering the above questions completely and compactly.

The average annual rainfall at Wichita during these 48 years has been 29.70 inches, while the average annual rainfall at Dodge City during the same period has been 19.76 inches. Only 1 year of the 48 registered a greater total rainfall at Dodge City than at Wichita; that was the year 1906 when the rainfall for the year at Dodge City was 32.54 inches as against 31 inches at Wichita. That was the wettest year of the 48 at Dodge City.

The greatest annual rainfall at Wichita during these years was in 1922 when the precipitation was 41.94 inches. The smallest annual rainfall there was last year, 1936, when the total was only 15.58 inches.

At Dodge City, 1893 and 1910 tied for a dry record, the total precipitation in each of those years being only 10.12 inches.

Has the average rainfall increased or decreased during these 48 years? During the first 10 years, from 1889-1898, inclusive, the average annual rainfall at Wichita was 29.50 inches, while during the last 10 years, 1927-1936, inclusive, the average was 28.70 inches.

At Dodge City the average rainfall during the first 10 years of the period was 22.72 inches, while during the last 10 years the average was 18.67 inches.

So it shows that the rainfall is slowly decreasing.

## Rights of Inheritance

**A**, who is a widower, has three sons and three daughters. One son is married but has no children. One is married and has children. The other is not married. One daughter is a widow, with no children; the other two are married and have children. Should the widow or unmarried son die before their father, their share of their father's property would be divided among the survivors. Am I right?

Can A, make a will, leaving everything to be divided equally among his children, but in case of the son, who has no children dying before his father, his portion is to be divided among the five remaining children and his widow get nothing. Would she not naturally and lawfully be entitled to one-half of the share that would have been her husband's?

In case a daughter who has children died before her father. Could he state in his will that her share should be divided among the five remaining brothers and sisters and her husband and children get nothing?

Would not the husband naturally and lawfully get one-half of his wife's share and the children the other half?

If A did make a will such as I have stated, and it was according to law, would it be the right thing to do? All children are of age, and all property is in Kansas.—Puzzled.

**I**F A SHOULD die without making a will, his estate would be divided among his surviving children; or in case of the death of any of them, leaving children, these children would inherit the shares of the deceased children of A, their parents.

You are right in saying that if this widow and the unmarried son should die before their father, the shares they would have inherited, if they had lived, would be divided among the other four sons and daughters, or their children if they should die leaving children, if he left no will. Beyond this point you are wrong.

Previous to the death of A, his children have no inheritance to divide. A has a right to divide his property by will as he wishes. If he wishes his son's widow to have a share of his estate he must so designate in his will. For example, he might provide in his will that in case of the death of his son before his, A's, death his intended inheritance should go to his widow. He could state in his will that in event of the death of his daughter before his death, her intended share should go to the other five children.

I might go further and say that A has a right to disinherit any or all of his children.

## THE KANSAS FARMER

Continuing Mail & Breeze

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# Farm Matters as I See Them

## Bankruptcies Cut in Half

I WAS much pleased the other day to read a bulletin from the Bureau of Agricultural Economics, in which it was reported that farm bankruptcies had decreased 15 per cent in the last fiscal year.

This decrease was general all over the country. Fewer farm bankruptcies were reported from all except nine states—Vermont, Connecticut, Indiana, Minnesota, Missouri, South Dakota, Wyoming, Utah and California.

There were fewer than half as many farm bankruptcies in Kansas during the fiscal year ending June 30, 1936, as in the preceding fiscal year. The records of the attorney general show only 59 farm bankruptcies in Kansas during the fiscal year 1936, compared to 134 the preceding year.

Total Kansas bankruptcies, by the way, were 553 in Kansas in 1936, of which 59 were farmers. The year before there were 934 in Kansas altogether, of which 134 were farm bankruptcies.

This is good news. In spite of drouth and grasshoppers and several bad floods, Kansas agriculture is in better shape than for several years past.

## Want People's Support

I WOULD appreciate the active support of Kansas farm men and women for two constitutional amendments I have proposed this session of Congress. One amendment would take away from Congress and return to the people themselves the power to declare war, except in case of actual attack or invasion of our country.

The other proposed amendment would place all government officials and jobholders on the same basis as other citizens in paying income taxes.

We have at present a most unfair situation. The ordinary citizen, whether in business for himself or employed in private industry, is subject to both federal and state income taxes.

But more than one million federal officials and employes are exempt from payment of state income taxes.

Almost three million officials and employes of state, county, city and local governmental units are exempt from the federal income tax.

These public officeholders, many of them drawing high salaries, all of them living off the taxpayers' money, I say should pay income taxes on the same basis as the rest of the people.

I am going to do my level best to see that an amendment to make all incomes liable for both state and federal income taxes, and specifically

including all public officeholders, is approved by Congress and submitted to the people for ratification.

## Separate Aid for Dust Bowl

WE still have a bad situation in the so-called Dust Bowl, comprising some 103 counties in Kansas, Oklahoma, Colorado, Texas and New Mexico.

Concerted and coordinated action is necessary if we are to cure that situation. Measures so far taken are purely temporary, and cannot solve the problem. Ultimately it is going to be necessary to take several million acres entirely out of cultivation in that area, and return that land to grass.

This is not a matter that can be handled by individual farmers, nor by counties, nor by the states involved. It cannot be handled by the federal government alone. All are going to have to co-operate, and place the power in some central agency to make effective the permanent program agreed upon.

I say the sooner this is done, the better. If it is not done, the dust bowl area is going to become larger instead of smaller, and seriously affect not only the present dust bowl area, but also the welfare of the people at least as far east as the Mississippi river.

I believe the first step is to create a separate conservation district, or region, of the dust bowl area, and deal with it as a whole. I am urging this here at Washington, and hope we will get results soon.

## Oppose Argentine Sanitary Pact

I AM watching carefully in the senate committee of foreign relations, of which I am a member, to guard against approval of the Argentine Sanitary Convention. If that convention were approved by the senate, it would let down the bars to the importation of thousands of cattle and sheep from the Argentine. Much of Argentina is infected with foot and mouth disease. Admission of cattle and fresh beef and sheep from this territory not only would seriously impair market prices for cattle and sheep in this country, but also would risk importing foot and mouth disease into the United States, with resultant damage running into the hundreds of millions of dollars. I must say that I cannot understand the position taken by President Roosevelt and Secretary Hull of State in advocating such an agreement. I hope we will be able to block it in the committee. Failing in that, we will carry the fight to the floor of the senate.

## New Wheat Testing Laboratory

WITHIN the past week Congress has enacted several pieces of legislation of special interest to Kansas.

I was glad to support and help obtain the special appropriation of five million dollars for payments to farmers in the dust bowl area for listing their farms and planting soil-holding crops this year. That will help the present situation, but of course does not solve the long time problem involved.

In the department of agriculture appropriation bill we also were able to hold the appropriation for continuing operation of the experiment stations at Colby and Garden City. These experiment stations are doing good work for our farm sections in Western Kansas, and it would have been too bad if they had been abandoned, as the President's budget department recommended.

In the same bill, which now has passed both houses, is an appropriation of \$15,000 for a wheat testing laboratory at Manhattan. This laboratory should be of benefit to our wheat farmers, and also to the milling industry of Kansas.

## Cull Out Reckless Drivers

GOOD weather means more traffic on the highways. Concurrent with the coming of spring, we learn that several states—including Kansas—have adopted driver license laws. These are framed to impress upon the mind of every automobile driver that his individual co-operation is necessary for greater safety on the highways. Other states adopting similar laws this year include: Arkansas, Georgia, Indiana, Maine, New Mexico, North Dakota and Tennessee. Driver license bills now are pending in Illinois, Michigan, Minnesota, Missouri, Nebraska, Oklahoma, Texas and Wisconsin. The Automobile Manufacturers Association points out that 28 states and the District of Columbia now enjoy standard license laws.

Without question the automobile is one of our greatest modern conveniences. But in the hands of an irresponsible person it becomes a menace—a lethal weapon. I hope the new driver license law will cull out the reckless drivers, and above everything, the drunken drivers. I am sure every thoughtful person will agree with me when I insist this is necessary.

*Arthur Capper*

Washington, D. C.

# Fat Cattle May Get Scarce

## Market Barometer

**Cattle**—Good prices in prospect except for thin or common stockers.

**Hogs**—We were wrong last time. Hogs made a jump and may hold most of the gain.

**Lambs**—Sharp advance may not hold, but no drastic declines are in sight for a few weeks.

**Wheat**—Prices generally more favorable than yield prospects.

**Corn**—Little change.

**Butterfat**—Some profits for those with good grass.

**Poultry and Eggs**—Decline may start soon.

THE cattle market is on the firmest foundation in several years if general appearances are dependable. Grass is in good condition in the important grazing sections of Kansas and there has been a strong country demand for stockers. This demand will fall off but may remain relatively strong for the season, if weather remains favorable.

Business activity and resulting con-

sumption of meats appears quite favorable for the next few months, so there is no prospect of a decline in the consumer outlet, which was the big "bug-a-boo" of the years 1931-34.

On the supply side of the cattle picture is a declining number of corn-fed cattle, due to unfavorable feeding ratios during the late winter and spring season, and actual shortage of corn. The number of cattle on feed in the Corn Belt states on April 1 was estimated to be 33 per cent smaller than a year earlier and the smallest for that date in many years. "Reports from a large number of Corn Belt feeders as to the months in which they expect to market cattle which were on feed April 1, indicate the proportion to be sold during the 3 months April to June this year probably will be larger than the proportion in any other recent year," reports the Bureau of Agricultural Economics. "If marketing plans are carried out as reported, the supply of fed cattle for market after July 1 will be relatively much smaller than the supply during the first half of the year, and perhaps no more than half as large as the supply of fed cattle sold from July to December 1936."

This prospect makes the picture

quite favorable for cattle now on grass. Where gains are good and put on cheaply, profits from grazing should be reasonably large, and the price received for well-fattened grass steers the highest in a good many years.

Prices of fat butcher cows, choice heavy feeding steers and heavy South-Texas common grass steers are likely to hold close to late April levels during May and June. Choice quality feeders are not expected to decline seasonally until after May. Common grades of thin stocker steers have probably begun their late spring falling off.

## No Time to Quit Poultry

Present conditions do not indicate poultry production should be expanded, but do point to the advisability of carrying on under a normal program. There is danger that unprofitable egg results this spring, combined with memories of low prices for live poultry last fall, will lead to a feeling in the minds of many producers that poultry and egg production should be given up as a bad job. For over a year the situation has been governed by feed costs. A favorable relation between egg prices and feed prices a year ago stim-

## 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.....	\$12.00	\$12.50	\$ 8.00
Hogs.....	10.85	10.20	9.60
Lambs.....	13.25	13.00	12.25
Hens, Heavy.....	.15	.15½	.16
Eggs, Firsts.....	.18½	.19½	.18½
Butterfat.....	.27	.28	.22
Wheat, Hard Winter..	1.29½	1.41¼	.94¼
Corn, Yellow.....	1.35	1.40½	.85½
Oats.....	.56	.57¾	.26½
Barley.....	.84	.89	.44½
Alfalfa, Baled.....	19.50	25.00	14.50
Prairie.....	16.50	16.00	9.50

ulated a larger production of baby chicks than normal. Fall receipts could not be absorbed in current market channels; an excessive amount went into storage and low prices resulted, even in the face of higher levels for general food prices. Remember, a normal crop year will mean more reasonable feed prices, and the unfavorable situation at the present is due to high feed costs rather than to low market prices for eggs.



# Congress Revolts—Probably Will Stand Pat on Chief's Return

By CLIF STRATTON  
Kansas Farmer's Washington Correspondent

TWO major revolts are making considerable headway in Congress these spring days. Whether either or both will survive the summer heat and perhaps the early frosts—Congress might fold up in July or may stay here until October or November—remains to be seen.

First revolt, and one receiving most attention this week, is the revolt against the White House.

In the Senate, the White House revolt has centered in the judiciary committee, on which a majority has turned thumbs down on the President's "court packing" proposal.

In the House, a vote of 224 to 34 refused the President's proposal to make the Civilian Conservation Corps a permanent agency. Instead, the House amended the administration measure continuing the CCC, so that its official life is 2 years more. The next Congress might vote to make it a permanent agency; the point right now is that the present Congress has refused to do so, despite an urgent plea from President Roosevelt.

On the same day, a House committee voted to reduce the unemployment relief appropriation for 1938 fiscal year from 1½ million to 1 million dollars. The President had asked 1½ million dollars in a special message just before he went on a fishing trip.

## A Farm Subsidy Revolt

Second revolt, which is mostly underneath, is the revolt against administration farm policies. What this really amounts to is revolt against federal subsidies to agriculture. What it will purport to be, when it breaks out into the open, will be an uprising against (1) government control of agriculture, (2) domination of Congress by the department of agriculture and the American Farm Bureau, and (3) declarations that the soil conservation act and other farm legislation of the past 4 years was emergency relief legislation; that a permanent national farm policy is not needed—let the farmer take his chance with the rest of the folks.

But the objective is to cut down on federal treasury payments to farmers and stave off measures for production control.

Performance by farmers under the agricultural conservation program, by the way, now is being measured from the air by the AAA. That is, aerial maps are made by photographing from airplanes. These photographs then are enlarged, measured with accurate instruments. Aerial photography for accurately mapping large areas has been used for some time, both by private and governmental agencies. Every enlargement shows several square miles of land. From this is determined the boundaries of every farm and of every field on the farms.

## Film 500,000 Square Miles

The AAA first tried aerial mapping to check farm records on an experimental scale in 1934; on a much wider scale in 1935. Contracts are being let this month for aerial photographing of farm lands in 34 states. When completed the AAA will have farm maps developed from aerial photographs for some 350,000 square miles in 34 states. The AAA also is acquiring such maps from other agencies, so that by the end of this year it is expected to have in the AAA records aerial maps of more than 500,000 acres of land. Total area of land in farms in the United States is 1,650,000 square miles.

"Accuracy is imperative in measuring farm land," the AAA folks explain, "because payments to farmers are based on the acres measured. A number of proved methods have been used, ranging from the use of measuring wheels to actual surveys by registered surveyors. These methods require considerable time and expense—except for actual surveys, few of these methods provide records for more than 1 year. The aerial maps can be used for years.

"Aerial photography makes available a complete picture of every farm. All ground features, such as buildings, roads, fences, ditches and woodlots.

Thru these maps experienced checkers can determine quickly the area of crop planted in each field without remeasuring every year. Where permanent or natural boundaries are changed, the changes can be checked by ground measurements.

The following Kansas counties, with number of square miles as indicated, are to be mapped by aerial photography this year by the AAA—(p) means part only:

Atchison	412	Miami	602
Brown	571	Nemaha	716
Clay (p)	54	Osage	718
Coffey	644	Pottawatomie	829
Doniphan	378	Republic (p)	213
Franklin	585	Riley (p)	505
Jackson	675	Geary (p)	227
Douglas	469	Shawnee	544
Johnson	486	Wyandotte	143
Jefferson	543	Wabaunsee	795
Leavenworth	440	Washington	689
Marshall	905		
Kansas total. 12,143			

## Trade Twins Opposed

Secretary Henry A. Wallace of Agriculture and Secretary Cordell Hull of State are the foreign trade twins of the Roosevelt administration. Both believe that the United States cannot afford to be self sufficient; both are using the influence and power of their positions to increase foreign trade. But they have the idea that foreign trade means an exchange of commodities and services. Most of the rest of us think foreign trade means exports of commodities we produce or whose production we believe helps make us a livelihood. So Secretaries Wallace and Hull are meeting a good deal of opposition on every plan they produce.

Farm exports last year were less than half—by value—the 1926-30 average, the department of commerce reports. Average value of farm exports for 1926-30 was 1,692 million dollars. Last year the total was 710 million compared to 733 million in 1934 and 747 million in 1935.

Non-agricultural exports have not suffered so severely, the drop being from an average of 2,996 million in 1926-30, to 1,747 million for 1936. But non-farm exports showed gains over the 2 previous years, total value in 1934 being 1,637 million and 1,495 million in 1935.

## Soybeans in the News

The soybean has been with us since 1804, but no one paid any attention to

## Grass—A Cash Crop

By L. E. WILLOUGHBY

GRASS may be a better cash crop than wheat. During the summer of 1934 Roy Haggart of Mankato summer fallowed 4½ acres in September. He seeded this field to a mixture of Brome grass and crested wheat grass. In July, 1935, he harvested 2,300 pounds of grass seed from the 4½ acres. He sold this seed at 25 cents a pound and realized over \$100 an acre. Wheat would have been worth about \$20 an acre under the same conditions.

John Achenbach of Washington county is the father of Brome grass in Kansas. He said he would rather raise Brome grass for seed than to produce 40 bushels of wheat an acre every year. He produces about 400 pounds of grass seed an acre and never has sold the seed for less than 15 cents a pound. A Brome grass seed crop has been worth about \$60 an acre for him. Forty bushels of wheat an acre would have been worth about \$24, average yearly value. Mr. Achenbach said he could afford to raise Brome grass seed and sell it at a nickel a pound rather than raise wheat and watch his soil wash away.

it for a century after that. Today the soybean is "news," the department of agriculture reports. As late as 1924 only 400,000 acres of soybeans were harvested, total production being 4,900,000 bushels that year.

Last year 2,100,000 acres were harvested. The total crop was 29,600,000 bushels. In 1924 only 6 per cent of the crop, or 300,000 bushels, were crushed for livestock feed. Last year 65 per cent, or 28,700,000 bushels, were crushed for livestock feed, and for industrial uses. The soybean is used in disinfectants, in baby food, and for many other purposes, including many parts on automobiles.

On the day the President returned to Washington, his Supreme Court pro-

posal looked dead as the proverbial door-nail. Looks as if the best he may get in the compromise will be 2 additional justices on the Supreme Court. Opponents are hoping that at least 2 veteran justices will retire in the next few months, on the theory this might be an excuse for the White House to abandon court reform.

Meanwhile organizations of the unemployed are planning marches on Washington for the purpose of getting larger relief appropriations.

Harry Hopkins, Works Progress Administrator, says whenever some folks think of economizing, they want to take it from those who haven't anything. But the economizers are on Hopkins' trail.

## Oil Brings Rest for Wheat Land

A KANSAS farmer operating his own oil company, and keeping one eye on his maturing wheat crop with its usual problems of harvest and marketing, is Anthony Witt, Russell county.

Mr. Witt had 7 producing oil wells up to April, this spring. They will produce from 1,500 to 2,500 barrels of the "black gold" daily. The oil is piped to storage or holding tanks and then sold to big oil companies that pipe it to refineries and retail it to consumers the same as other gasoline and oil. The modest sign on Mr. Witt's equipment is "Anthony Witt, Oil Operator," but he still calls himself a farmer.

Wheat farming was Anthony Witt's business for years, on several upland "quarters" near Gorham. All at once he found himself "sitting" in the center of one of Kansas' busiest oil fields.

One "quarter" was held unleased, and when Lady Luck made it worth a fortune, Mr. Witt decided it would be more profitable to operate it himself than to sell the rights. There are plenty of people to help a farmer develop a farm of this kind, but it takes good management and business judgment to do it. Mr. Witt seems to have both.

Standing near the newest Witt oil well, he looked out over the wheat field which stretched every direction from the big oil rig. "It looks real good," was the comment, "and I'm going to have to be thinking about harvest."

Neighbors say Mr. Witt plans to fallow much of his wheat land for a few years while the wells are in production. Then, when they finally play out, the newly formed sod can be broken out and the land will be all the better for its rest.

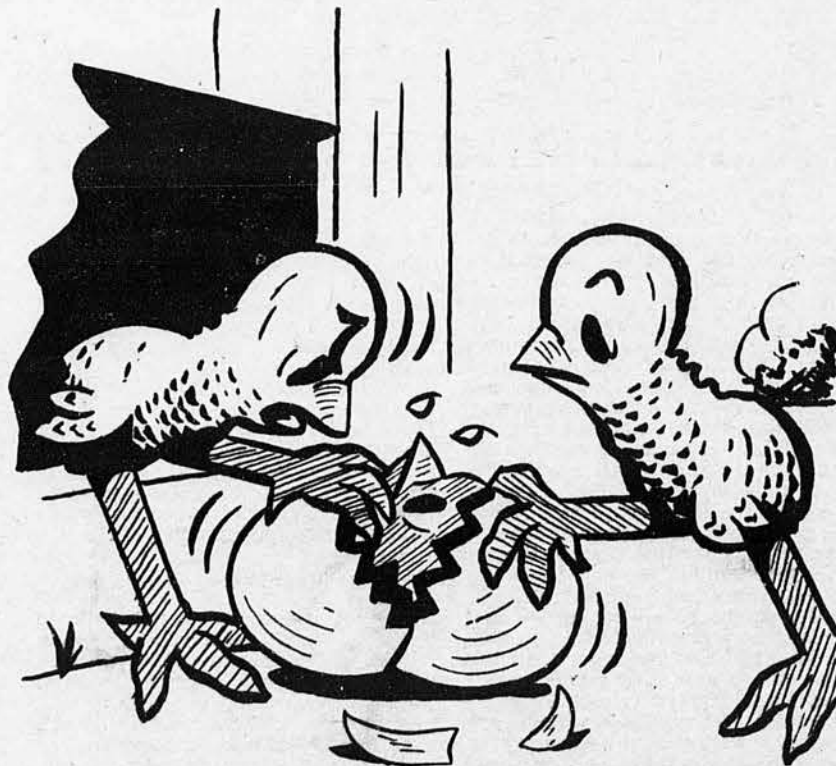
## Home Improvement Won

Money invested in home equipment which the whole family can use daily, over and over again, returns about the most for money spent of anything money will buy. Henry Abt, Medicine Lodge, tells an interesting story of his own experience. Nearly 10 years ago he made 2 purchases, a \$1,100 automobile, and a number of home appliances which cost about the same amount. Included were a farm light and power plant, a complete water system with cistern storage, sewage disposal set-up, modern bathroom, and heating.

In a few years, according to Mr. Abt, the car was worth only a couple of hundred dollars. But the farm home equipment was giving daily service. Every member of the family received enjoyment, comfort and benefit from the lights, water, bathroom, and other fixtures. Mr. Abt said he would leave it to anyone hearing the story to say which did his family the most good.

## New York's Milk Bar

Of all things! A milk bar has appeared in the midst of New York City's cocktail zone where it has been installed by the Chateau Moderne. Milk bars are becoming increasingly popular in some of London's smart resorts but this is the first one reported on this side of the "big pond." The Chateau's manager announces he will be prepared to serve patrons all kinds of concoctions with a milk or cream base, pure milk or—if the occasion arises—even milk of magnesia.



"Don't let 'im out Louie, we don't get enough to eat now let alone havin' another guy around."



# Our Busy Neighbors

ALL OVER KANSAS

One dollar paid for each of the two best contributions for this Neighbor page. Address Farm Neighbor Editor, Kansas Farmer, Topeka. We reserve privilege to publish all communications sent. No manuscripts can be returned.

## Made Outlet for Terrace

Nick Bayer, Kingman county, found that there was no place to empty the water from one of his terraces when he started to terrace a 23-acre field last summer. He went to work and dug a shallow channel along the field boundary fence and seeded to a mixture of equal parts of crested wheat and brome grass. Now the channel has a perfect stand of grass and after the wheat is harvested the terrace that was not built last summer will be made. The terrace outlet channel empties into a natural drain while all the completed terraces on the farm empty onto well sodded pasture land.

In addition to terracing his sloping fields, Bayer is practicing contour farming, crop rotation, and other methods of soil and moisture conservation on his 160-acre farm.

## Chinese Elms Do Well

Chinese elms are irrigated from a 100-foot well, which will pump constantly day and night, on the J. R. Mohler farm, Quinter. Sixty-three young elms were set out in the spring of 1936, including a new windbreak along the south side of the farm buildings. A number of seedling elms were set out close together in Mr. Mohler's orchard where they could be watered and later they will be transplanted for shade and windbreak. All are doing well. Bluegrass in the Mohler lawn does well where it is watered, but otherwise buffalo grass is taking its place.

## Wins Accounting Contest

Ruth L. Ott, 16, of Wichita, Sedgewick county, was the winner of state honors in the National 4-H farm accounting contest for the recently closed year. She is to receive \$100 in merchandise or a 750 pound capacity McCormick-Deering cream separator.

## Plants 2-Year-Old Corn

Oscar Bowles, who lives west of Lenexa, Johnson county, was one of the few farmers in the county who was lucky enough to have a 2-year-old crib of corn on hand for picking seed. He sold considerable of his corn to neighbors.

## Captures Young Stork

John D. Stosz, of Axtell, recently captured a young stork on his farm while listing corn. Apparently someone had shot the young stork for it had a broken right wing, enabling Stosz to catch the bird in the loose soil. The bird was at first identified as a Jack Snipe but at Manhattan it was named as a stork.

## Doomed Tree Saved for Yard

A young elm tree which was doomed to be destroyed by a roadgrader was dug up in idle time by Mr. and Mrs. W. I. Lewis, Dunlap, and set in their back yard. Now that tree is repaying for the trouble taken and is leafing out and shading a sunny porch.

## Broods Chicks With Lantern

Last year Mrs. George Eberle, of Alta Vista, raised 94 out of 102 Black Giant chicks and the only heat used was an ordinary kerosene lantern placed in the coop at night.

## Maintains Good Beef Herd

One of the Western Kansas beef breeders who has stayed with good cattle and still has a fine herd is the Duttlinger Brothers Hereford establishment. They are located in Logan county and have 280 good cattle and nearly 100 spring calves. Some of the

cattle are yearling steers, and there also are quite a number of good young bulls. At present they have 140 females of breeding age. One of the principal feeds used to carry the cattle thru the winter of 1936-37 was whole barley. The crop was cut for hay rather than harvested. Fed with some cottonseed cake in addition this was a good ration, judging from the condition of the cattle in April. The first prize Hereford female at Kansas Free Fair last fall was bred by Duttlingers and shown by Billy Brant, Cottonwood Falls.

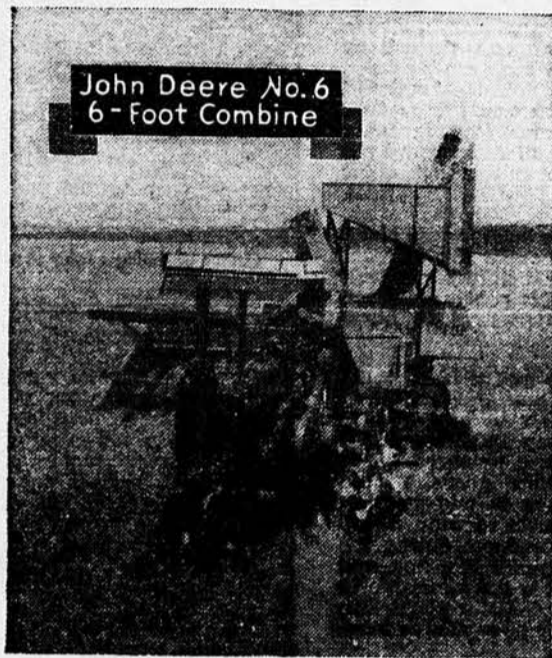
## Tests 418 Dairy Cows

The Kaw Valley Dairy Farm Record Association, with headquarters at Holton, tested 418 dairy cows for production for its members for the month of April. The average for the association was 26.6 pounds of butterfat a cow. Forty-two cows produced over 40 pounds for the month and 19 produced over 50 pounds of butterfat. The high cow of the association, owned by the Security Benefit Association of Topeka, produced 76.8 pounds of butterfat and the second highest cow, owned

## Still Need More Ponds

An excellent pond is being built by Emmet Womer, Smith county, in co-operation with the range program of the AAA. The basin of the pond lies in a fairly large creek bed which has gone dry in recent years. The creek is crooked with high banks. The spillway will naturally occur right in the course of the water, and cut across a neck of timberland. Mr. Womer hopes this pond will furnish water and also raise the water level in his wells nearby.

by the Chamney Dairy at Lawrence, produced 71.7 pounds.



## Harvest Your Crops Faster, Easier and at Lower Cost with This Quality-Built One-Man Combine

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## From a Marketing Viewpoint

By HOMER HENNEY

(Probable changes in feed costs have been considered in suggesting the best marketing program.)

I have 60 white face yearling steers on grass. I will have barley and oats by July 10. Wouldn't it be better to graze until October and then feed for the January market? It was the best this year.—J. E., Mankato, Kan.

No. There are about 7 chances out of 10 that it would be better to start full feeding as soon as your small grain is harvested. The fact that it was better to feed until January last year and the fact that more small grain should be available for feeding this year make it more certain that the sooner one gets the cattle covered over the better. We reserve the right to change the above opinion if a small corn crop is showing up July 1. Suggest you drop a card at that time. If a large corn crop is in the offing by that time and if the small grain crops meet no disaster before harvest, then more than the usual number of cattle will be put on feed before January. Selling in January could easily lose 10 to 15 dollars a head compared with selling earlier in September or October because a large feed crop may cause a market break.

I have some grass land that is not filled. Would it be safe to buy some stock cattle now? If so, what kind, or would you rest the grass?—L. C., Dwight, Kan.

About 7 chances out of 10 that it will be better to rest grass until either choice stocker calves decline in price, or a drouthy condition shows up in the corn belt, or you are sure this season is going to be good enough that your pasture doesn't need a rest all season. The only kind of cattle fairly safe to buy this late in this type of a year is the top quality steer calves costing \$8.50 to \$9.00 a hundred. If a small corn crop comes along and you have grass and feed until the spring of 1938, you

probably could come out. If a large feed crop is produced in the corn belt and business does not keep on advancing, you probably could buy the same calf as a yearling in November for less dollars a head than he costs now, have your pasture improved, and have plenty of old grass to "cake" on this fall. On June 15, a more definite decision can be given, if you care to write in at that time.

I have 45 fall shoats and the barley to finish them. I have been offered a good price for them. Would it be better to finish or sell now while the market is advancing?—A. C., Adena, Colo.

About 8 chances out of 10 that it will pay to start feeding the shoats some grain along with what pasture you have instead of selling out now. The contra-seasonal advance in early May increases the chances for a yearly peak in July rather than in September. If on July 15 there is evidence that the yearly peak is being made or was made in June, then one can sell as light lights. If the peak appears still ahead at that time, your hogs will still be light enough to continue feeding for the better market. Asking again on June 15 just how fast to crowd the hogs will give you a chance to head for the best market.

I need some more ewes for my place. Is it advisable to make the increase this year or would it be better to wait 2 or 3 years? If this year, would you buy now or this fall?—L. M. D., Larkspur, Colo.

About 8 chances out of 10 it would be better to wait until August 1 and decide then whether to buy or wait another year. Sheep and wool prices since January 1 have advanced out of line with most other goods. Should business not recover in mid-summer, it would be advisable to wait. Sheep numbers were not reduced during the past few drouth years like hog and cattle numbers. It is not advisable to expand just now. A letter about August 1 can probably be replied to more definitely.

## They Win Highest 4-H Award

SCHOLARSHIPS amounting to \$150 each have been awarded by Senator Arthur Capper, thru the Kansas Farmer, to Grace Drew, Barton county, and Ronald Beery, Cowley county. These scholarships were won by outstanding 4-H club work for 1936 on the part of each of these prominent club members. M. H. Coe, state 4-H club leader, announces the selection of Miss Drew and Mr. Beery as the outstanding contestants for this honor, which he said, "Is recognized thruout Kansas as the highest award in 4-H club work."

Grace Drew joined the Willing Workers 4-H club in 1927. She spent 7 years in clothing projects, 5 years she had canning projects, 6 years baking, and 5 years carried leadership work. In 1932 she went to the National Club Congress in Chicago, and last year was one of 4 Kansas young people chosen to attend the National 4-H camp in Washington, D. C. Miss Drew is par-

ticularly outstanding in Kansas club work, and fully deserves this honor for which she worked so faithfully.

Nine years of 4-H work were completed in 1936 by Ronald Beery. Now he is 21 years of age and active club work is over. He finds it difficult to evaluate the amount of good he has obtained from his club work and relationships, but he knows he will feel the value of this training for many years to come.

In 1930 Ronald earned a free trip to the National Dairy Show, in 1933 to the National Club Congress, and he received the Thomas E. Wilson medal for livestock endeavors in 1934. Many other honors followed these, and in 1936 the biggest reward, a trip to the national 4-H encampment in Washington.

The scholarships won by Miss Drew and Mr. Beery will be used to further their education—probably at Kansas colleges of their own choice.



Grace Drew, Barton County



Ronald Beery, Cowley County

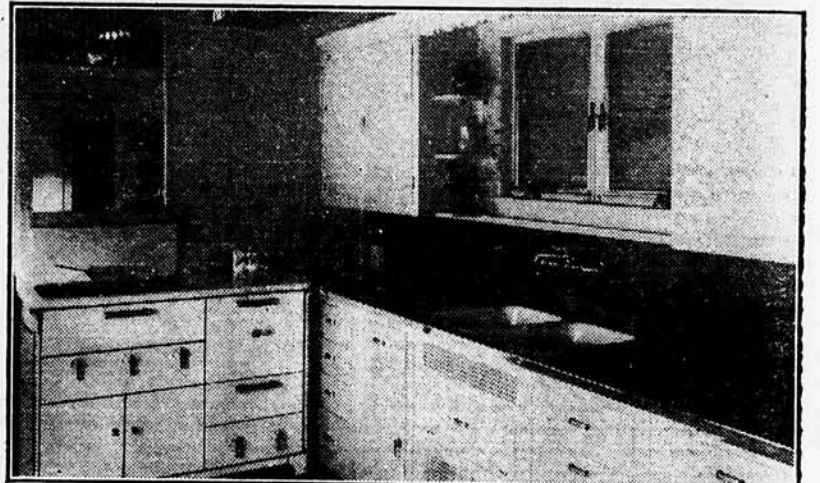
## Farm Home on Wheels

By RUTH GOODALL

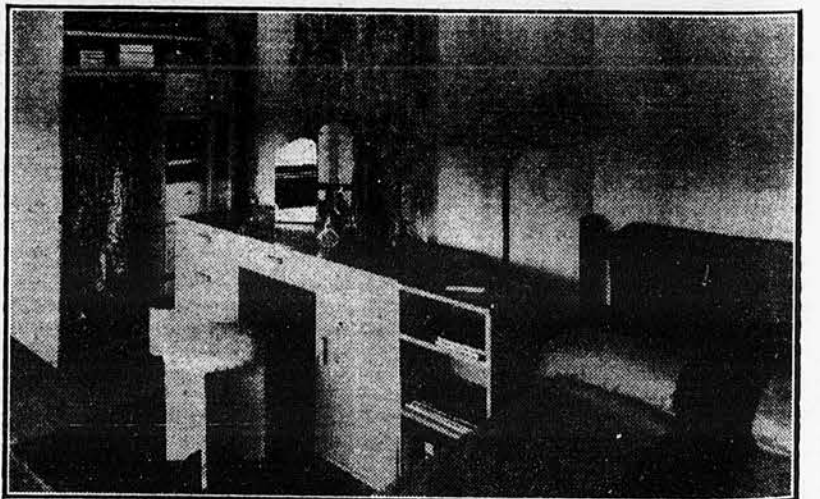


Corner of dining center showing homemade Welsh dresser and a drop-leaf table.

TO BE sure there's something new under the sun! A Better Farm Homes Train, the first of its kind, is just finishing a two week's tour of the state. So much interest was manifested in the homemade furniture, which combined an atmosphere of utility and beauty, that Kansas Farmer is printing these pictures taken of the "house-keeping" part of the exhibit. We feel the pictures tell a story of the comfort, convenience and contentment to be found in a country home.



Kitchen every homemaker dreams of—stove 'n' everything. May your dreams come true!



Think of the places to tuck things away in this roomy wardrobe and dressing table.



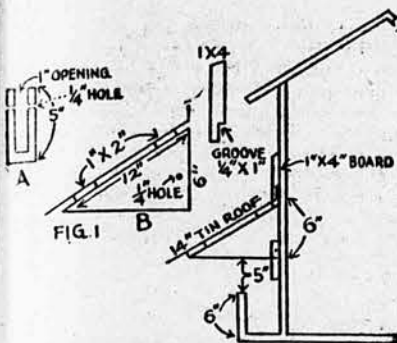
Books, radio, bric-a-brac, even the children's toys, live happily together in this bookcase.



# Ideas That Will Come in Handy

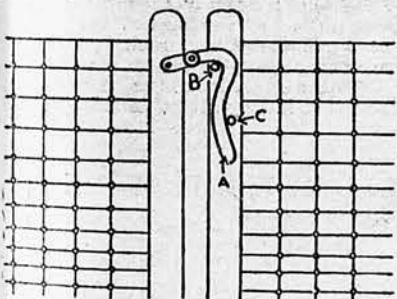
BY FARM FOLKS

## Covered Outside Feeder



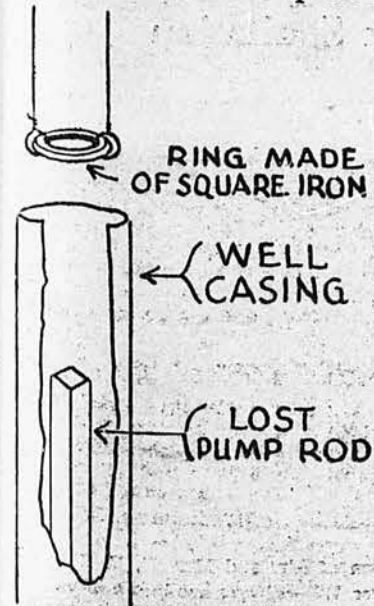
A drawing of the extension cover for troughs on our outside chicken feeders is shown. We use a 1x4 length of the feeder and bevel the top and cut groove as shown at top center. Nail this to the side of the feeder with bevel up and groove back against the feeder 17 inches above the floor. Cut two 1x2 inch boards the length of the feeder. Nail 2 blocks, shown in B, Figure 1, 1 1/2 inches from ends of the 1x2 boards. Then nail on a sheet of tin 15 inches wide and 6 inches longer than the feeder, with a bend 1 inch from the edge to fit in groove in the 1x4. The 1x4 grooved board is nailed to the 1x2, then the extension is slipped in place. Make blocks A to fit back side of B and nail A to house. Then drill a 1/4 inch hole in A and B at same time and put in 20 penny nail for pin. This extension is easily removed for cleaning feeder by removing the two pins.—A. P.

## Pump-Handle Gate Latch



Everyone knows how difficult it is to fasten a draw gate of the usual type. The device shown here has saved the workers on our farm much effort in shutting a gate much used in hay time. The device is made of an old discarded pitcher pump handle (A) which is fastened to the movable post by two short pieces of strap iron with holes in each end. Iron pins (B) and (C) are set into the other post. The pin (B) is engaged in the hole in the pump handle and drawn taut by simply pushing forward and locking behind pin (C). The bottom of the post can be anchored by various means.—Homer Turley.

## Recover Broken Pump Rods



When a pump rod breaks in a drilled well it is quite a job to remove it from the casing. Get a piece of square rod either 1/4 or 3/8-inch and bend it into a

perfect ring and weld. Make this ring of a size to fit loosely in the well casing, but large enough to slip over the broken rod. Lower the ring into the casing with two wires fastened to opposite sides of the ring. Keep the ring level until it passes over the pump rod. Then withdraw by one wire and the ring will grip the lost pump rod. Being made of square material it cuts into the rod instead of slipping.—R. W.

## Loading Place for Cows

I used metal to build a shed for a loading place for my cows. I built it 36 by 100 feet and used corrugated sheet metal because of its resistance to fire.—Raymond Frazier.

## Keep Distributor Dry

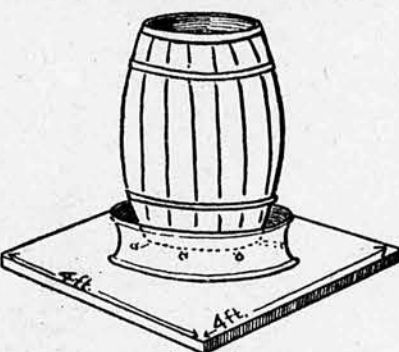
Quite a bit of trouble may be experienced during a hard rain storm, in real foggy weather, and when driving thru water on the roads, by the car distributor becoming wet. Sometimes there is a slight leak in the radiator and the fan will throw the water on the distributor. In order to avoid this I get a piece of old inner tube and slip it over the distributor and wiring. Tie tightly

at the top end around the spark plug wires. This will save many delays and many misses.—R. W. T.

## New Chain Buckets

The chain buckets or suckers on our cistern pump wore out, so my father took an old tire and cut chain buckets from it, making them just like the old buckets. This method was successful.—M. E. C., Johnson Co.

## Inexpensive Poultry Feeder



Make a platform of boards 4 feet square. Now place an old corn planter wheel of the low type on the platform; then take a large barrel, knock out both ends and stand it up on the wheel. The rim of the wheel prevents chickens

scratching feed out and the spokes keep them from scratching in the feed and they cannot get into the feeder. The lower end of barrel, which rests on spokes and is below the top of the wheel rim, prevents any overflow of feed.—Mrs. O.

## Wood Bits From Nails

Any one can make their own wood bits by using nails. Flatten the point and make the head square. Then hold the nail by the head and file right side of flattened point.—Artie L. Ussery.

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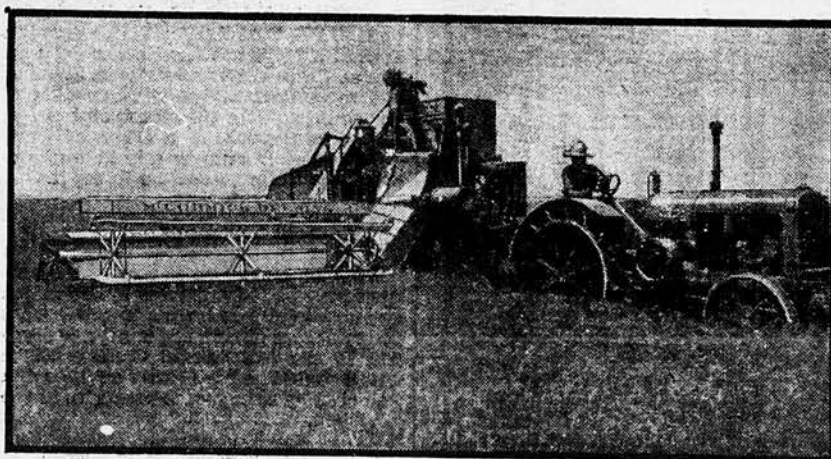
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# Successful Performance Recommends These Combines



A McCormick-Deering No. 31 Harvester-Thresher cutting wheat behind a McCormick-Deering Tractor.

International Harvester knows the combine business inside and out. In designing and building McCormick-Deering Harvester-Threshers, this organization keeps these vital facts in mind: a combine must get all the crop, cutting as efficiently in down or tangled grain as it does in an ideal stand; and it must do a hundred per cent job of threshing and cleaning.

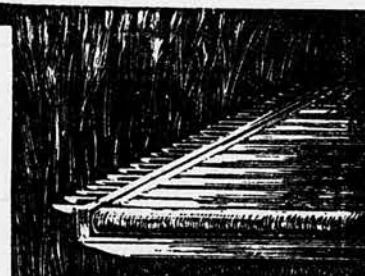
In McCormick-Deering combines you will find basic principles of design that have proved their efficiency, in thousands of fields, in a great variety of crops besides small grains; principles that have been developed in more than a

century of harvesting-machine experience. Shown here are four of the important features built into all McCormick-Deering Harvester-Threshers. There are many others.

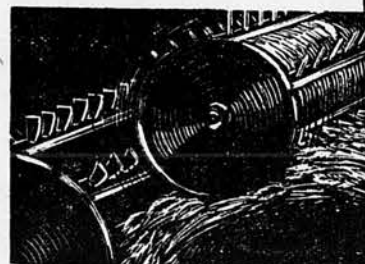
Investigate these machines at the McCormick-Deering dealer's store. In this line you can get the No. 22, the practical small combine for the average farm, an 8-ft. engine-operated machine (2-ft. platform extension available); the No. 31, a 12-ft. combine available with either spike-tooth or rub-bar cylinder (3-ft. platform extension available); and the No. 41, a 16-ft. machine for big acreages.

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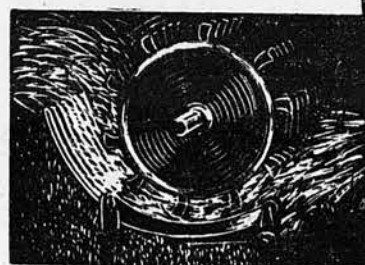
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## What Other States Are Doing

BY THE EDITORS

### Hybrids Prove Superior

IOWA: Results of the 1936 Iowa corn yield tests have shown the superior performance of hybrid combinations as compared with open-pollinated varieties. The average yield of all hybrid varieties in 10 fields was 30.8 per cent greater than for the open-pollinated strains.

### More Livestock Expected

IOWA: Forecasts are for increased numbers of cattle as a result of the Soil Conservation Program's stress on more grass and hay crops. Hogs may not be increased any, farm specialists there say, but they will receive a higher per cent of their feed from pasture. Generally speaking, more cattle can be carried with a given acreage of roughage and pasture than from grain or soil-depleting crops.

### A Master Teacher

VIRGINIA: One of the most difficult jobs a judge may face, we imagine, is the selection of a "Master Vocational Agriculture Teacher." However, this has been done, with the naming of W. L. Creasy, teacher at Woodlawn, Va., as winner for the South. With hundreds of such teachers doing a high class job of instructing boys in farming, it becomes a real task to

pick out the most outstanding. Nearly every vocational agriculture teacher is doing an efficient job, and in such competition Kansas' representatives stand among the best of them.

### No More Sheep Wails

TEXAS: Sheepmen in the Uvalde section of Texas are using rubber bands instead of surgery to bob lambs' tails. This method involves only the tight application of a rubber band in the right location which stops circulation. After a time the tail drops off, saving expense, time and trouble for ranchmen and some pain and possible infection for the lamb.

### Law Protects Manufacturer

OHIO: Farmers have a law which regulates the sale of fertilizer by requiring that manufacturers give facts about their product which the buyer cannot determine by inspection. Manufacturers must give information on the package if it contains muck, peat, pulverized leather, hair, or other materials in which the nitrogen is largely unavailable. No fertilizer is permitted to be sold unless it contains at least 16 per cent of plant food elements. This tends to keep off the market brands that contain large amounts of filler in comparison with the materials that benefit plant growth.

Reputable manufacturers of fertilizer, who fortunately supply most of the fertilizer to Kansas farmers, welcome laws of this kind which protect them against fraudulent or evasive methods.

### Erosion Without Storms

SOUTH DAKOTA: Wind erosion doesn't always mean a spectacular dust storm, it has been shown here. Some of the most destructive wind erosion in the country from the standpoint of soil loss occurs without a trace of dust. Wind erosion may sneak in and destroy our soils before we know it.

### Molasses as a Horse Feed

IOWA: Work horses now in the harness may be fed molasses in the ration as successfully as hogs and cattle were fed molasses during the winter, according to the Iowa State College. Since grain costs are high great savings can be made by using some molasses in the feed box.

### Milk Transportation Studied

ILLINOIS: Three major adjustments in transportation and production practices in the St. Louis milkshed would save farmers in that area many thousands of dollars, according to the Illinois College of Agriculture. They are: Rearrangement of hauling routes, so as to reduce mileage and increase vol-

## Contours Cut Power Needs

By LEONARD NEFF  
 Washington County Agent

"You can notice the difference in power needs as soon as you start out on a contour line with your tractor," reports a farmer who has tried it. Another answers with, "Yes, you never change gears." Farmer after farmer is falling in line on this new practice. In early April we saw 13 Washington county farmers begin operations on contour lines. They were: Clarence Beaumont, Bryon Odgers, Earnest Helms, Charles Rychtarik, Ed J. Knedlick, H. F. Lichtenberger, Arthur Gilliam, James Hoover, Orley Smith, Emil Meier, R. H. Yoder, John Holmberg and John Elliott.

ume to the load; marketing of more milk thru country plants; and narrowing the seasonal variations in milk production. It is suggested that these adjustments would effect similar savings in other milk producing areas since the problems met in the St. Louis milkshed are typical of those found at present in most milk-producing areas.

### Big Underground Crop

OHIO: In Ohio, a worker at the state university found the average weight of alfalfa roots to the acre in 6 tests was 2 tons. This is the reason alfalfa is able to leave so much nitrogen in the soil.

### 4-S Move in Poultry

INDIANA: Poultry raisers are enlisting in a 4-S movement. The program's principles are: Scrape, sweep, scrub and spray. Cleanliness is one of the most essential factors in poultry production in any state, including our own.

### Hens Set World's Record

CALIFORNIA: A pen of Barred Plymouth Rocks, owned by James Dryden, has established a world's egg laying record for the breed. The 10 hens averaged 287 eggs apiece, and scored a total of 2,858.05 points. A point is given for each egg weighing 2 ounces, and the total eggs were 2,865.

### Colonists Fought Erosion

VIRGINIA: Efforts were made by the early colonists in Virginia to control erosion more than 150 years ago. But these efforts failed because each farmer had his own ideas and had to rely on his own resources. There was no definite program to carry on thru the years. Contour cultivation, a modified system of terracing, and the use of soil-binding vegetation were advocated for holding the soil.

## Wire-Floor Chick Sanitation



COUNTY Agent Brown and the young son of Mr. and Mrs. E. E. Stewart, Fulton, Bourbon county, are looking over White Rock broilers and pullets, raised to near market size on sanitary wire floors. Inside the brooder house are several decks of batteries, in which are cockerels somewhat larger and just ready to be sold. The pullets were placed on the range in a specially built shelter shortly after this picture was taken the last day of April. They are kept on the range until about October 1.



# Cattle Feeders Discuss Molasses, Dust Control, Bluestem Grass

By TUDOR CHARLES

**T**WENTY-FIFTH Annual Cattle Feeders' Day at Kansas State College included a well-diversified program of actual cattle exhibits and experimental results. Dr. C. W. McCampbell, head of the animal husbandry department, told visitors that 25 years of cattle feeding experiments had been completed this spring at the college. As a means of stressing the results obtained in this work, Mr. McCampbell reviewed 25 questions which had been answered by experimental work during the past 25 years.

These answers showed that choice calves have many advantages over older cattle in fattening for market. Rugged, growthy, broad-backed, big-middled, thick, quality steers make the most satisfactory gains. Heifers do not make quite as fast gains as steers, but they reach a desirable finish sooner and sell on a par with steers up to weights of about 750 pounds. Addition of even a small amount of alfalfa to a fattening ration greatly improves it. Good Sweet clover is worth almost as much for feeding as good alfalfa hay. Ground ear corn proved to be worth 90 per cent as much pound for pound as ground shelled corn. There is practically no difference between white corn and yellow corn for cattle feeding. Ground oats will make as good gains as corn during the early part of the feeding period.

## Sorghums Can Save Southwest

Dr. McCampbell announced that the question of utilizing bluestem grass to fatten cattle will be discussed in particular at a special feeders' meeting next fall. This will be the conclusion of a 12-year study of this subject.

In his discussion of the importance of livestock to a land-use program for Kansas, Dean L. E. Call said the Southwest part of Kansas would not be conquered entirely by returning it to grass nor by better methods of tillage. He foresees a swing to sorghum growing in the Southwest and will return a profit where grass may not. The refuse after harvest will hold the soil, too. The sorghums with the widest possibilities are combine milos such as Wheatland, Beaver, and Dwarf Yellow. Mr. Call expects to see a grain yield of 200 million bushels from 10 million acres in 5 Southwestern states, with return of normal rainfall and fuller realization of the place of sorghums in that territory.

Tips on molasses feeding were picked up by the crowd of livestock men who listened to A. D. Weber's discussion of experiments on this feed. Results of the feeding experiments in figures will gladly be furnished readers of Kansas Farmer. Some of the highlights were that most molasses sold to farmers contains about 50 per cent sugar, although it is possible the content may vary from 40 to 70 per cent without the farmer having any way of knowing it. Sugar is the safest basis for valuing molasses, which is low in protein.

## Molasses Best With Grain

The consensus of farmers who have fed molasses is that beet molasses is more apt to have a purging or laxative effect than is that made from cane. Questions were answered by farmers who sent in 246 answers to 300 ques-

tionnaires mailed out by Mr. Weber. As a general rule, after steers were on full-feed of grain they consumed only 2 to 4 pounds of molasses a head daily. Best results seem to be obtained when molasses is used as a partial substitute for corn in fattening rations, or else used liberally in the early part of the feeding period and then reduced as grain is increased.

The fact that molasses attracts flies was the principal criticism of molasses for summer feeding. In one reply from a farmer who has self-fed molasses in tanks, it was stated the flies gathered in molasses tanks instead of on the cattle. The cattle ate flies with the molasses, but were not bothered any from biting. Another farmer said the feed attracted flies but they did not seem to bother the cattle.

*If you desire detailed results and observations on molasses experiments and questionnaires, and on tests using bluestem grass as the basic feed for fattening cattle, Kansas Farmer, Topeka, will be glad to see that you receive this valuable information.*

## West Named Livestock Head

The recent death of Joe H. Mercer, for 28 years livestock sanitary commissioner for Kansas and secretary of the Kansas Livestock Association, left a vacancy that was not easily filled. Mr. Mercer had become a bulwark of the livestock industry in Kansas and thousands of farmers had learned to depend on him for advice and counsel on any matter pertaining to their business.

A worthy successor to the late Mr. Mercer has been chosen. Will G. West, McPherson, was appointed last week by Governor Huxman. Mr. West was



Will G. West, McPherson

one of 3 men recommended by the executive committee of the Kansas Livestock Association, of which John Briggs, Protection, is chairman. For years Mr. West was editor of the Kansas Stockman, monthly publication of the association. He has also served as deputy livestock sanitary commissioner. He owns extensive lands in Central Kansas and has had long experience in the livestock business.

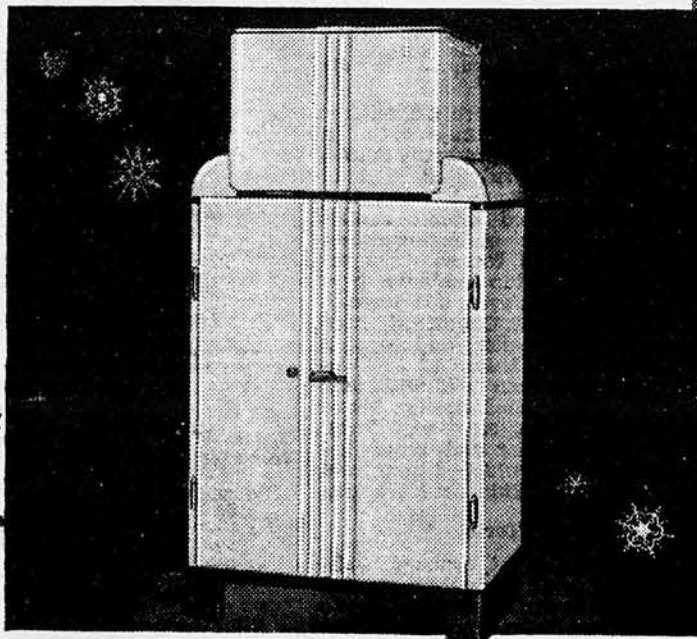
## Kansas Lamb School Opens May 26

**T**HE first annual Kansas Lamb School will be open to all Kansans, May 26 and 27, at the American Royal building in Kansas City. This is an undertaking of the Kansas State College, and is receiving the support of marketing agencies of the Kansas City Stockyards, the packers, and the American Royal management. The first day, lambs from 150 Kansas farm flocks located in 50 counties will be studied and judged on foot. The second day the carcasses of these lambs will be hanging ready for the carcass demonstration. The 2-day program will teach valuable lessons about lamb quality and fleshing, and will provide a state-wide contest among farm flock owners to see who can bring in the best live lambs, which dress the best carcasses.

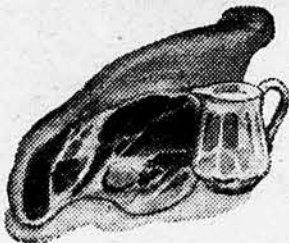
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# Strawberries Yum! Yum!

By RUTH GOODALL

COME strawberry time on Kansas farms, the cooks have the artists and the poets backed clear off the map. Who wants to look at a picture or read a sonnet to spring's most glorious fruit when it's so much pleasanter to "make away" with a good big wedge of shortcake—sweet with berries and rich with butter—the way we Kansas women make it?

## Shortcake

3 cups sifted flour 1 teaspoon salt  
3 teaspoons baking powder ½ cup butter  
¼ cup milk (about)  
2 quarts fruit

Sift flour once, measure, add baking powder and salt, and sift again. Cut in shortening. Add milk gradually until a soft dough is formed. Roll ¼ inch thick on slightly floured board. Cut with 3-inch floured biscuit cutter. Place half of circles on baking sheet; brush with melted butter. Place remaining circles on top and butter tops well. Bake in a hot oven, 450 degrees, for 15 to 20 minutes. Cut strawberries in small pieces or slices and sweeten slightly. Separate halves of hot biscuits, spread bottom half with soft butter and sweetened berries. Place other half on top, crust-side down. Spread with butter and remaining fruit. Garnish with whipped cream and additional fruit. This serves eight.

## Blitz Torte

If you like a sweet, crunchy background for your strawberries and cream, learn to make a blitz torte. It's not hard, just follow the recipe, and put a little extra beating power behind the hand that wields the stirring

spoon. It's a feast for the eyes and a treat for the stomach.

1½ cups sifted cake flour ½ cup sugar  
1¼ teaspoon baking powder 4 egg yolks, un-beaten  
½ cup butter 5 tablespoons milk  
1 cup sugar 4 egg whites  
1 quart perfect strawberries

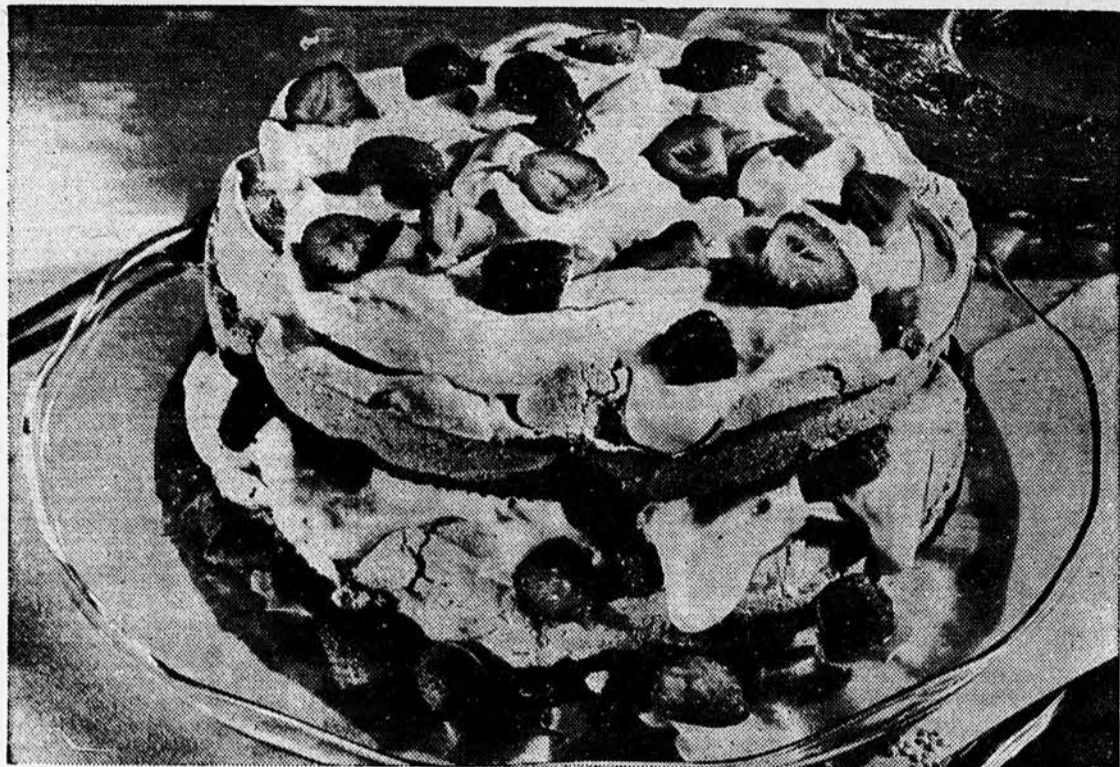
Sift flour once, measure, add baking powder and sift together three times. Cream butter thoroughly, add sugar grad-

ually, and cream together until light and fluffy. Add egg yolks, one at a time, beating very thoroly after adding each. Add flour, alternately with milk, a small amount at a time, beating after each addition until smooth. Spread in two 9-inch greased layer pans.

Beat egg whites until foamy thru-out. Add the 1 cup sugar, 2 tablespoons at a time, beating after each addition until the sugar is thoroly blended.

After all sugar is added, continue beating until the mixture will stand in peaks. Spread in equal amounts on top of each layer. Bake layers in a slow oven—325 degrees—for 25 minutes, then increase the heat to moderate, 350 degrees F.—and bake 30 minutes longer. When cool, spread with crushed sweetened strawberries. Cut in wedges for servings. This is ample for six.

When it comes to "interior decoration," cooks are the real artists. In Missouri we are starting our annual spring "inside remodeling" with a couple crunchy layers of blitz torte piled high with strawberries and cream.



# Hat-Bag-Belt Ensemble Crocheted of Cellophane

By RUTH GOODALL

MAKE it yourself—this romantic little hat that's so very smart and just right for comfort on windy days or to take you places any time. What's more interesting, it's crocheted of shiny cellophane, the very kind that's used for wrapping packages, tho if you'd save yourself some cutting time you can buy the quarter-inch ribbon type that's just ready for crocheting. The hat is made of six circles and an oblong piece. The discs are edged with grosgrain ribbon and fashioned into a toque shape with a decided forward movement. Accented by

a crisp nose veil, it makes a perfect hat for almost any daytime ensemble.

With the current vogue for matching accessories, it is no trouble at all to crochet more discs—cellophane of course—and fashion them into a stunning little purse and buckles for a belt, following the same style as the hat. The little flapjack purse, which is made of two large discs—one flat against the other—is a mighty clever matching piece, or goes right well by itself.

All three articles are made of quarter-inch jet black ribbons of cellophane. If you prefer them for wear

with your summery things, I'd suggest the clear, or colorless cellophane, which when crocheted has an iridescent glisten that looks almost like mother of pearl. The only stitch used is single crochet, which should assure you the making is "apple pie" easy.

If you'd like the directions for making this cellophane ensemble, just address a post card to Ruth Goodall, Kansas Farmer, Topeka, and ask for them. If you're interested in other cellophane craftwork, send 10 cents for our book giving 101 ideas for making as many fascinating new cellophane creations.



Six crocheted discs, a wisp of veil, and you've a hat that otherwise would have cost a ten-dollar bill.

It's smart to have matched ensembles this year. This one follows the "three of a kind" rule. Two more discs and a pair of handles make a bag. Two small ones and a strip long enough to reach 'round your waist, make a belt—to complete the trio.

## Did You Ever Wonder Why?

By MRS. S. H. HAYDEN

We never get really thirsty until the windmill stops pumping?

A 16-cent egg in the spring never tastes quite as good as a 30-cent egg in the fall?

Aunt Miranda never comes visiting until we have packed away that purple monstrosity of a vase she gave us for Christmas?

The mister never wants to wear a white shirt except when they're all in the ironing basket?

Mothers are most worried when daughters act just like they did when they were young?

The cake always falls when mother-in-law comes to dinner?

Someone else always has radishes to eat before we can get our own planted?

## Hard Soap This Easy Way

By MARY LOU WILLIAMS

It is no longer necessary to boil your lye and grease to make hard soap. Simply pour a can of powdered lye into a kettle containing 1 quart of water and stir it with a spoon or stick until it dissolves. The lye, of course, will become quite hot. Allow it to cool, then take 5 pounds of clean grease, tallow or lard, and melt it until lukewarm. Then gradually pour the cool lye solution into the melted grease, in a small stream, and stir slowly until it is thoroly mixed and drops from the stirrer at about the thickness of honey. To be properly done, stirring should continue about 10 minutes. It is then ready to pour into molds.

## Eve Ate a Peach

The woes of mankind are not the result of an apple but a peach! Governor Lloyd C. Stark of Missouri, who is better known as a nurseryman, is authority for the statement that the apple was originally a peach, and that "the forbidden fruit" Eve ate in the Garden of Eden was the Persian apple or, according to its present name, the peach. It is significant, too, that the Chinese call the peach tree the "tree of knowledge."



## Those Graduation Dresses

JANE ALDEN, Stylist



Who is she . . . that smilingly confident young girl who gracefully mounts the steps to the high school platform to accept her diploma? Why, that's your daughter, Mrs. Public . . . your girl graduate-daughter of 1937! Smart young miss she is, too . . . who knows what to wear, how to apply just a mere flush of rouge on occasion, a white lipstick for lubrication, with occasionally a light touch of the natural red stick, a mere dusting of powder, how to turn up the ends of her well-brushed silky hair.

How different from that flapper, the girl graduate of 1927! Knee-length skirts, rouge and lipstick heavily applied, frizzed and "spit-curled" hair.

## Flattering Frock Conceals

SURPLUS POUNDS



Pattern No. KF-4371—So slenderizing, so full of charm—this captivating frock, that every fashion-alert matron will deem it a "must have" for her summer wardrobe! Been wondering what to wear to afternoon parties, club meetings, and informal festivities? Pattern KF-4371 will solve that problem for you. Do notice the interesting open V bodice (fill it in with a bit of lace), the capelet sleeves that will keep you cool and carefree, and the slenderizing panel-front that subtracts pounds from your appearance. Sizes 34 to 46. Size 36 requires 4 1/4 yards 39-inch fabric.

Patterns 15 cents. Our new Spring Fashion book filled from cover to cover with glamorous new spring clothes, 10 cents extra. Address Fashion Service, Kansas Farmer, Topeka.

Poor "1927" is indeed unlovely in retrospect, isn't she? Yet most of us actually looked that way then. It was the style, a style which over decorated and taught none of the principles of good grooming and tasteful dressing.

Let's look again to the lovely, feminine, 1937 model. She has learned to walk in sensible shoes, and without the '27 slouch, she is active, healthy, and gay. How happy you should be, Mrs. Public, that the flapper era went out fast, and today's school girl shows charm, restraint, and good taste both in her manner and in her clothes. Help her to keep these sane

views on life, to further develop her poise and charm.

Along these lines, let's discuss that "what to wear for graduation and after" problem which pops up at this time of year. Perhaps school custom decrees a simple tailored street frock for the day itself. Fine, for it may well be the sort of thing which she can wear all summer for nearly every occasion, after graduation.

My suggestion for a perfect dress with all the magic of accessory changes is one of the new bolero-plus-gilet models. This is a simple basic white frock with high neckline, short sleeves, and softly flaring skirt, has a white bolero jacket, one in gay print, and a sashed gilet in matching print. With these parts you can easily work out six variations . . . and, of course, many more when you consider the white frock as a basic dress for dolling up with other accessories.

For instance, try a bolero of blazing red flannel, edging it with yarn peasant embroidery, just as Big Sister does at college, to wear with the white dress. Or add a heady Roman stripe sash to the all white bolero and frock combination. The basic "white" without colored accessories should be perfect for graduation exercises.

Party clothes depend upon the school customs. If they demand ankle length frocks for the banquet or other graduation occasions, have a simple organdy with flaring ankle length skirt and a sleeved jacket in white or a becoming color, for nothing could be smarter than such a sheer formal suit. They are worn by chic women the world over. A fresh flower tucked in the top curls or behind one ear for evening parties is quite the mode this season.

If your school girls wear street length dresses to the graduation banquet, parties, etc. . . cotton lace, silk crepe dresses with lace trim, or sheer types would be ideal. Or a gay silk print with a "V" neckline and draped sash is smart and new. The bolero-gilet frock, wearing its white bolero and printed gilet would be quite perfect. In some schools they are wearing tailored suits for graduation.

In choosing accessories, remember that shining patent is a favorite this year . . . and that the new fabric sandals in multi-color prints are new and interesting for summer wear.

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Just send us the household  
hint that has saved you the  
most time, money or trouble

You no doubt have used and know of many little "short cuts" in housekeeping, household hints that are time and trouble savers. Tell us about the "hint" you have found most practical. It may refer to serving, cleaning, care of flowers, painting, or any procedure in which a housewife is interested such as the following suggestions:

Cheese can be kept fresh if wrapped in a cloth soaked with vinegar.

The gummed flaps on envelopes make excellent fruit jar labels.

Mattresses should be turned frequently to insure even wear.

When preparing asparagus salad open the can at the bottom to protect the tender tips.

**22 Cash Prizes**

For the best hint received we will pay a first prize of \$50.00; second prize, \$25.00; 20 prizes, \$2.50 each—\$125.00 in all. Duplicate prizes will be paid in case of ties. No entries can be returned.

Write your hint—only one—on a postal card or sheet of paper together with your name and address and mail not later than June 30, 1937. In addition to the cash prizes we will also pay \$1.00 for each hint accepted for publication in our forthcoming edition of "Household Hints."

**FREE . . . this helpful book  
to everyone who sends us a hint**

We have on hand a number of copies of the present edition of our 32-page booklet, "301 Household Hints." As long as they last, we will send a free copy to each person sending a household hint to be entered in this prize offer. A new edition is soon to be published. If the hint you send is accepted for publication you will be paid \$1.00 in addition to any prize you may win. Send your hint today to:

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## Wonderful Success Raising Baby Chicks

Mrs. Rhodes' letter will no doubt be of utmost interest to poultry raisers who have had serious losses raising baby chicks. Read her experience in her own words:

"Dear Sir: I see reports of so many losing their little chicks so thought I would tell my experience. My chicks, when but a few days old, began to die by the dozens. I tried different remedies and was about discouraged with the chicken business. Finally I sent to the Walker Remedy Company, Waterloo, Iowa, for a 50c box of Walko Tablets. They're just the only thing to keep the chicks free from disease. I raised 700 thrifty, healthy chicks and never lost a single chick after the first dose."—Mrs. Ethel Rhodes, Shenandoah, Iowa.

### You Run No Risk

Buy a package of Walko Tablets today at your druggist or poultry supply dealer. Give them in all drinking water from the time chicks are out of the shell. Satisfy yourself as have thousands of others who depend on Walko Tablets year after year in raising their little chicks. You buy Walko Tablets entirely at our risk. We guarantee to refund your money promptly if you don't find them the greatest little chick saver you ever used. The Waterloo Savings Bank, the oldest and strongest bank in Waterloo, Iowa, stands back of our guarantee. Sent direct postpaid if your dealer can not supply you. Price 50c and \$1.00.

Walker Remedy Company  
Dept. 22, Waterloo, Iowa

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**BLACK LEAF 40 PROTECTS YOUR GARDEN**

KILL INSECTS with "Black Leaf 40"—protect your garden against damages. "Black Leaf 40" kills quickly with double action (by contact and by fumes). It is safe to use. Because it gradually "fumes off" (evaporates) no harmful residue is left. It is economical—a little makes a lot of spray.

**HAS MANY USES.** "Black Leaf 40" kills insects on plants and animals. It kills poultry lice and feather mites. A little sprayed on the lower branches of shrubbery keeps dogs away. Directions on bottle and interesting leaflets describe many uses.

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**Black Leaf 40**

LOOK FOR THE LEAF ON THE PACKAGE

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For All Intestinal Troubles  
In Chicks and Older Birds

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Write for Catalog and prices on our new steel sweeprakes for Farmall, John Deere, Oliver, Allis-Chalmers and Case Tractors; also wood and steel stackers and horse-drawn sweeprakes.

WESTERN LAND ROLLER CO., Box 72, Hastings, Neb.

## Year 'Round Egg Demand

By LEE J. BREWER  
Greeley County Agent

**D**URING the last 12 years Mrs. Homer Jonagan's poultry flock, in Greeley county, has made an average net profit of \$500 a year. Even tho the chicken business requires considerable hard work, Mrs. Jonagan has found it is one of the most profitable and reliable sources of income on the farm.

The Jonagan certified flock is made up of excellent Barred Plymouth Rocks and is one of the best in the state. Twelve years of poultry improvement work have been completed. In 1924 the first Record of Performance roosters were bought. In 1925 the flock was certified and blood-tested and has been kept that way ever since.

In the fall of 1936 Mrs. Jonagan started out with 406 hens. In the course of 4 months these were culled to 330 hens which are on hand at the present time. These hens have been, and are producing an average of 209 eggs a day, or 60 per cent production. Three-fourths of the eggs produced are sold as hatching eggs and Mrs. Jonagan receives 15 cents above market price, plus freight charges—price based on Kansas City market. There is a year 'round demand for these eggs and in the summer months the hatching eggs are sent to a California hatchery.

The mash used is composed of the following:

Milo . . . . . 100 lbs.	Wheat . . . . . 100 lbs.
Alfalfa . . . . . 100 lbs.	Oats . . . . . 100 lbs.
Meal . . . . . 50 lbs.	Meat . . . . .
Cod Liver . . . . .	Scrap . . . . . 75 lbs.
Oil . . . . . 4 lbs.	Salt . . . . . 5 lbs.

This mash costs approximately \$2.35 a hundred pounds.

Another point of interest in regard to this flock is the decrease in broodiness over a period of years. In 1929 Mrs. Jonagan reported that she had 98 hens go broody at least once and 52 hens went broody twice; in 1936 only 36 hens were broody once and of that number 16 were broody twice. Mrs. Jonagan believes that two important factors were responsible for the decrease in broodiness. First, continued and constant use of R. O. P. males which were produced from hens, which, because of their high egg production had very little opportunity to go broody; second, she sells broody hens.

### Changes in Chick Raising

By MRS. HENRY FARNSWORTH

Chick raising is quite different in many cases from what it was before the advent of the battery brooder. Even small back-lot poultry raisers can have a small number of chicks with little expense of brooding and little labor, other than providing feed and water. Driving thru a small town not long ago I noticed about 25 cockerel chicks about a month old ranging over the lawn. Nearby was their electric brooder in which they had been raised and to which they returned for mash and water. Since the chicks were all cockerels I surmise that some town dweller is going to have some early fries. How much handier and more sanitary than when it was necessary to use hens for brooding small bunches.

### Extra Care for Late Chicks

Those who do start a flock of late-hatched chicks will keep in mind that a little better care and management are needed for the ones that are getting off to a late start. June chicks of the light breeds will start laying in November and December if given good care. One thing in favor of the late chicks is less expense in feeding and brooding. On the other hand, shade must be provided from the hot summer sun. If natural shade is on their range well and good. If not, corn, sunflowers, or castor beans should be planted. Or if brooding in a colony house, shade underneath can be made by raising the house 14 inches. Provide as comfortable roosting quarters for the chicks as possible. In a brooder house the windows should be opened and if possible have a ventilator in the back of the house just underneath the roof.

### Must Provide Green Feed

One reason for slow growth and poor development in late-hatched chicks is

lack of green feed. Sudan makes good summer greens if kept clipped, rape also is fine. Cockerels should be removed from the pullets giving the pullets more room to grow without annoyance from the cockerels. Watch the consumption of feed. Hot weather effects the chicks much the same as it does people, it causes them to lose their appetites. Feed a moistened feed of cracked grains just after noon every day. It helps jaded appetites, and they get additional feed that otherwise they would not get. Chicks naturally like wet feeds. Feeds that contain all the vitamins needed are a necessity for the late-hatched chicks if one intends to get them into production early. And keep the water fountains clean and filled, placing them near the mash hoppers handy for the chicks.

### Eggs May Be Higher

It is too early to predict, altho I dared to venture to do such a thing, just what is ahead in poultry prices, but if the majority of farm poultry raisers do not start off any chicks this year, as hundreds are not doing, then it looks as if fresh eggs are going to be plenty scarce this fall. The early chick crop is short—and with corn \$1.46 it is difficult to

## Beware of Mild Scarlet Fever

By CHARLES H. LERRIGO, M. D.

**O**UR neighbor's little boy has had a rash. He wasn't sick at all so it couldn't be scarlet fever. But I kept our children away fearing it might be scarlatina," writes a mother.

Scarlet fever, to the average mother, is just a disease of the skin. She thinks of the rash and the scaling because those symptoms strike the eye. If the rash is light and there is little or no peeling she concludes that the youngster can get up and outdoors. But early exposure is dangerous, no matter how mild the skin symptoms. Scarlet fever and scarlatina are the same disease, so do not allow yourself to be fooled by difference in terms.



Dr. Lerrigo

Scarlet fever does no real damage to the skin. It does its work on internal membranes and vital organs. A mild skin rash may yet have severe internal symptoms. Ear infection in scarlet fever often causes total deafness. The kidney troubles of later life perhaps can be traced to a scarlet fever attack in childhood, too mild to keep the patient in bed. These facts carry with them a "Beware" that ought to be bigger and more startling than any quarantine sign.

Statistics show that scarlet fever in 1936 caused the death of too many children to warrant the idea that its fangs are yet extracted. I am not inclined to think that it will get to be a harmless disease. In a rather long



"Junior, get in here! What did Mama tell you about playing in your new shoes?"

work up any enthusiasm even for late-hatched ones. Many raisers with whom I have talked intended getting some late-hatched chicks, but with eggs at the local stores 15 cents a dozen, which is not paying the feed costs for the laying flock, there is not likely to be many late-hatched chicks. Even many laying flocks have been sent to market. Much depends on the corn that is planted in this drouth country. Perhaps the way one farm woman poultry raiser expressed herself voices the general opinion of many others." I am going to see first if we have any corn this year, no corn, then no chickens. If there is a good corn prospect which materializes, then I'll buy some pullets later, she said.

### It's Easy to Kill Lice

Experienced poultrymen watch their flocks carefully for any sign of lice or feather mites because they know that these parasites affect egg production. A drop in production can be caused by other things but it is wise to immediately look for lice.

Lice and feather mites are easily eliminated. A little "Black Leaf 40" applied to the roosts quickly kills lice and feather mites at low cost. Delousing is simplified greatly by the use of a "cap-brush" applicator, a perforated cap for "Black Leaf 40" bottles which eliminates the need of a paint brush that absorbs and wastes the liquid. To delouse merely exchange the regular cap for the "cap-brush." Then turn the bottle upside down and gently tap out little drops, an inch or so apart.

medical practice I recall many seasons in which the prevailing type of scarlet fever led folks to regard it as insignificant. But suddenly a change would come; cases would become more severe, even malignant; the virulent type would begin to claim its victims and parents who had been led to be careless would have little consolation. Present medical knowledge leads us to believe that every case of scarlet fever should be treated conservatively, under the care of a good physician, and full quarantine observed.

If your child has a mild attack, be thankful that it is not the malignant type. But let there be no break in your watchfulness. Be on guard against earache. See that plenty of cool drinking water is allowed. If there is an itching skin it probably will yield to an oil rub.

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.

### Common to Teen Age

I am a boy of 15 and have pimples and blackheads all over my face. When the pimples start forming they are sort of small boils and later develop into real pimples. What is this trouble and what would be a good remedy?—Bob.

This is a common skin ailment of young people in their teens and is called Acne. The oil glands of the skin are active, spreading a thin film of oil. Into this is ground the dirt always present in the air. The pores become blocked and blackheads result. For local treatment wash the face once daily with hot suds of castile soap, removing all oil and grease. At other times use clear cold water. Insure daily bowel action by eating fresh fruit and green vegetables freely and going faithfully to toilet at a regular hour. It is wise to reduce sugar and sweets to a minimum, and if in good flesh you also may cut down on cream, butter and other fats. For a general skin tonic take a daily cool bath—sponge bath will do—followed by vigorous rub with rough towel until skin is in a glow.

### These Exercises Will Help

Last summer I wore low-heeled shoes, was on my feet constantly and strained muscles of right foot and ankle. What exercises can I take?—C. P. T.

Walking on tiptoes occasionally, walking so that the weight is thrown on the outer side of the foot, and stepping so that the heel does not quite reach the ground are all exercises that give strength to a weak arch. You probably will get much help also from passive motion of the foot and ankle.



# New Kansas Weed Law Goes Into Effect July 1

**B**ECAUSE of widespread interest in the new Kansas weed law, the State Board of Agriculture has prepared the following series of questions and answers which provide information generally being sought by Kansas farm people at this time:

- Q. When did the law go into effect?  
A. February 26, last.
- Q. To what noxious weeds does it apply?  
A. Field bindweed only.
- Q. May other weeds come under its provisions?  
A. Yes, if and when declared as noxious by the legislature.
- Q. Who is held responsible for getting rid of bindweed?  
A. Land owners, rural and urban—corporations, the state, municipalities, townships, etc.
- Q. Does that include highways, rights of way of railroads, streets and alleys of cities?  
A. Yes.
- Q. What methods of eradication are commonly used?  
A. Chemicals applied either as spray or dry on small patches; intensive cultivation or summer fallow and planting of a smother crop on larger fields.
- Q. Who will prescribe official methods of control?  
A. The State Board of Agriculture.
- Q. When will official methods and rules and regulations be published?  
A. Directly after a competent man is appointed by the Board as state director of bindweed work, July 1, next, when the appropriation becomes available.
- Q. Who are responsible for enforcement of the law?  
A. Secretary of the Board of Agriculture, county commissioners, governing bodies of incorporated cities and local weed supervisors.
- Q. How is information gathered about infestations?  
A. The county assessor is required to make a canvass annually—doubtless thru his deputies as they, every year, make their house-to-house rounds listing property for taxation. This information provides the basis for a tax levy.
- Q. Who bears the cost of eradication?  
A. Property owners, who, however, may purchase chemical material from county commissioners at 1/2 the cost price. On state highways the cost will be paid from funds allocated to the Highway Department, on county and township roads and lands and streets and alleys by a yearly tax levy of not to exceed 1 mill on taxable property.
- Q. Suppose a landowner fails or refuses to comply with the law?  
A. The boards of county commissioners or local supervisor shall enter upon the land, after due and legal notice, and proceed under official meth-

## Pasture Replaced Grain

A shipment of graded lambs was made from Mitchell county April 26. Elwood Clover, Glen Elder, had 14 top lambs and one premium. Dale Shurtz, Asherville, brought in 8 tops and 3 premiums. Creep-feeding of grain is recommended for producing top lambs, but in neither of these cases was it done. "Good rye and wheat pasture, together with the ewes' milk, gets the credit for these prime lambs," County Agent McBurney said.

Others in Mitchell county who shipped top lambs were John Way, Frank Stouffer, and Mrs. Minnie Shamburg. The 4-H lamb project, in which several hundred lambs were handled co-operatively from start to finish in Mitchell county last year, is responsible for a lot of improvement in lambs now being marketed there, and for increased interest, too.

ods, the cost thereof, if not paid in due time, to be charged against the land and collected the same as taxes.

- Q. What is the penalty for non-compliance?  
A. Deemed a misdemeanor, punishable by a fine of not less than \$50 nor more than \$500.

## New Gas Books in Use

New gasoline tax-exempt order books are in use on Kansas farms now. Instead of the dealer carrying the book, each buyer of agricultural gasoline has one. There are 3 carbon copies with each purchase of gas. The original and the blue copy are handed to the tank wagon man, the yellow is sent to the state department the first of each month, and the pink slip is left in the book as the farmer's record.

## Farms With Good Horses

A farm mare which weighs 1,800 pounds in ordinary flesh is quite a chunk of a horse. M. C. Hathaway, Robinson, has two of them, a grey and a bay. He has a little sport now and then asking someone to guess on them. Tudor Charles, Kansas Farmer's associate editor, guessed the first one at 1,800 pounds. Then he looked at the other, and Mr. Hathaway put the usual question. Charles decided the second horse weighed a few pounds more. Mr. Hathaway had weighed them a few days before, and each tipped the scales at 1,880 with the harness on.

## Champion Farm Mechanics



**T**OP honors in the 17th annual farm mechanics contest for Vocational Agriculture boys held at Kansas State College, went to Elbert May, center above, and Elwood Mines, right, of Oberlin High School. Their coach is Lester Chilson, left. Six divisions of farm mechanics work were entered. These included farm machinery, concrete work, farm motors, rafter cutting, welding and sheet metal work. Forty-four high school teams from Kansas were entered.

Kansas Farmer for May 22, 1937

# WOOD BROS. THRESHER

**SEE IT! NEW Individual HARVESTER**

**5 FOOT CUT COMBINE**  
5 ft. cut, 5 ft. cylinder, 5 ft. rear. Direct straw travel. Lighter running. Larger capacity.

**A PROPER SIZE FOR ANY MAKE OF TRACTOR**

**WOOD BROS. THRESHERS** are famous for their reputation as grain savers, and their ability to thresh and clean all kinds of grain, clovers, seeds and beans is well known. Our New 1937 Model Wood Bros. Threshers and 12-foot and 5-foot Combines will save you money because they cost less, have larger capacity, run smoother and lighter and use less power and repairs. The new Wood Bros. Single Row Corn Picker is also a leader in its field.

**WOOD BROS. THRESHER COMPANY DES MOINES, IOWA**

See our local dealer or write our nearest branch listed below—  
Wichita, Kansas  
Lincoln, Nebraska  
 Fargo, North Dakota  
 Minneapolis, Minnesota  
 Peoria, Illinois  
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# DEXTER TWIN TUB

**Changes "Wash Day" to "Wash Hour"!**

• It washes in both tubs at the same time—soiled garments go through two suds—come out snowy-white—jiffy-quick, without soaking, boiling or hand rubbing. Actually cuts your washing time and work in two.

Choice of Briggs & Stratton Special Red-Head Gasmotor, Electric Motor or Power Pulley

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Send me your FREE booklet "Cut Washing Time In Two."

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In order to get biggest poultry profits, your Chick Feeds MUST contain the 19 ingredients that are vital to chick health and growth. VICTOR CHICK PELLETS have them all—in scientifically correct, laboratory controlled amounts — including Cod Liver Oil, Buttermilk and Iodine. Feed VICTOR CHICK PELLETS this year and set a new high in your poultry and egg profits.

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You'll make money using Cudahy's All Purpose Mineral Feed because it speeds growth and produces sound, healthy animals that get the best out of their other feeds. No waste, no unnecessary ingredients. Top quality at a rock bottom price. Ask your feed dealer or write direct to us.

**THE CUDAHY PACKING CO., Dept. KF3, Kansas City, Kansas**  
Makers of BLUE RIBBON Digger Tankage, BLUE RIBBON Meat and Bone Scraps

**They Want What You've Got!**

If you have anything to sell you will find buyers among the readers of Kansas Farmer. Poultry, livestock, pet stock, machinery, seeds and plants, nursery stock, honey, etc., are always in demand in season. Try an ad in the classified department. The rate is only 8c per word each insertion.

Classified Dept. Kansas Farmer Topeka, Kan.

**Will Use Identification Marks From Now on**

By J. M. PARKS, Manager  
Kansas Farmer Protective Service

I RECEIVED the reward check for \$25 today, for which I wish to thank you. My marker is going to be used more from now on as I think the Capper marking system is very beneficial. I also think your Protective Service really gets results. Thanking you again, I am, yours truly, Robert Duncan, Wakefield."

This reward was paid to Mr. Duncan for the part he took in the arrest and conviction of David Walchle, who stole 21 bushels of oats from the Duncan farm. Walchle was required to serve a 60-day jail sentence. The arrest was made by R. M. Lockridge, sheriff of Clay county.

The Capper marking system, referred to by Mr. Duncan, is available to all paid-up subscribers of Kansas Farmer. Since sheriffs and peace officers in general find identification marks of much help in recovering stolen property and convicting thieves, we recommend that all Service members mark not only grain, but poultry, livestock, harness, tires, farm implements, and other farm property, subject to theft.

**Thieves Dread 'Bloodhound'**

In giving an account of theft on his farm, Jesse J. Johns, R. 1, Johnson said, "A couple of young fellows from Colorado came over the line and raided my house. I had the Bloodhound Thief Catcher (stamping and branding device used in the Capper marking system) in one of the buffet drawers, so they got suspicious and took nothing that was likely to be marked."

The prowlers, Arlie and Orville Townsend, did, however, take about \$28 worth of jewelry and other articles from the Johns farm, only to be captured soon after thru the co-operation of sheriffs Charles R. Winger, Stanton county, and Rolla D. Warner, Hamilton county. The law-breakers were

required to serve 5-10-year sentences in the state reformatory. The \$25 reward, paid by Kansas Farmer, was distributed among Service Member Johns and the 2 sheriffs.

**Tracked a Thief 20 Miles**

As soon as Theodore R. Gooch, Hugoton, discovered that 3 header canvases had been stolen from his farm, he reported to Earl Kerns, sheriff of Stevens county. The 2 men, working together, followed car tracks 20 miles, then, questioned 2 suspects, Wayne Oder and a companion, until a confession was obtained. The thieves told where the canvases were to be found. These were returned to the owner. Punishment will be terms of 1-5 years in the state penitentiary. A Service reward of \$25 has been divided between Service Member Gooch and Sheriff Kerns.

**Blocked Road—Got His Men**

An exciting race followed the stealing of parts of farm machinery from Edward Gordon, R. 1, Highland. Gordon overtook the suspects, William Botts and Paul Hedgecock, but they refused to stop until he blocked the road with his car. The accused owned up to getting the property. Gordon was planning to let them go unpunished until he learned this was not their first offense. He then swore out a warrant for their arrest. Botts was given a 2-month sentence in the Doniphan county jail and Hedgecock was required to serve 3 months in the same prison. Kansas Farmer has rewarded Gordon with the amount of \$25 for his efficient work in capturing the thieves.

To date, Kansas Farmer has paid a total of \$25,475 in rewards for the conviction of 1,013 thieves, who have stolen from posted premises.

**Until Dinner Is Ready—**

BY THE EDITORS

**Bashful Sex:** An Oklahoma City pastor planned great things for his "lovers' church" and invited all serious-minded romancers to come to his service but only 6 bashful boys showed up for the 150 pretty girls.

**Good Bad Bull:** W. Carlton Hall, member of the state board of agriculture, was injured by a bull but it was not just a common bull that did the trick. That same day the bull had won the grand championship of the Guernsey regional show held in Coffeyville. Hall was leading the 5-year-old bull on his farm when running horses frightened the bull and it charged Hall, tossed him over a river dike, then pursued and trampled him.

**Fair:** A complete revamping of the ground layout of the Kansas Free Fair is being made because of unprecedented demand for space for exhibiting farm machinery and equipment.

**Egg-Gatherer:** Mary Pickford paid a visit to the farm of her future father-in-law, Bert Rogers, at Olathe, and took time to gather the eggs, at least for the benefit of the cameraman.

**Embarrassing Explosion:** Ervin Williams, Waverly, had a big portion of his pants blown off while repairing a tractor gasoline tank. After soldering the tank Williams took it to a grinding stone to remove the excess solder. Outside a small burn on the finger he was not injured.

**Help!:** A 2-year-old horse belonging to Mrs. Dan McKnight, Mont Ida, recently fell in a cistern and it was necessary to pull it out with a garage wrecker.

**Spirit:** Mrs. R. J. Miller, of Mound Valley, past 63-years old, has dug a cistern 8 feet deep, nearly 9 feet in

diameter, walled it with concrete and brick, and wheeled away the dirt in a 2-wheeled push-cart. And she did it by herself. Said Mrs. Miller, "I simply got tired of trying to scrub and wash with hard water. I was not financially able to hire the work done and my husband is 81 years old and could not do it."

**Spring Flowers:** Wild mustard is reported as covering the yards and fields in the vicinity of Augusta. The same condition is reported in other parts of the state. The theory has been advanced that the seeds have been blown here during the dust storms.

**Miss Milkmaid:** Miss Aloha Warner of Fairview, blond, 18, and a girl that knows her cows, won the title of "Miss Milkmaid of the World" at Sabetha, at the Holstein regional dairy show. Miss Warner, who daily aids her father on their farm near Fairview, had 11.25 pounds of milk in her bucket at the end of 2 minutes.

**Heartbreaking:** Martin Pressgrove, Topeka, a 17-year-old 4-H Club boy, lost his 7-months-old Holstein calf when the calf jumped from a truck and broke its neck while being brought to the regional Holstein show in Topeka.

**Costly:** Losses by workers in the automobile industry while strikes were in progress is estimated at 65 million dollars.

**Rats:** There are 123 million rats in the United States, almost as many as the country's population, the agriculture department estimates.

**Courthouse Art:** A mural painting picturing the movement of the pioneers across the plains of Kansas in prairie wagons and on horseback will be painted for the Fort Scott courthouse.



**TROUBLE-FREE WATER SUPPLY EQUIPMENT**

**KRUMM'S RED TOP HOG WATERER**  
Complete Year-Round Unit



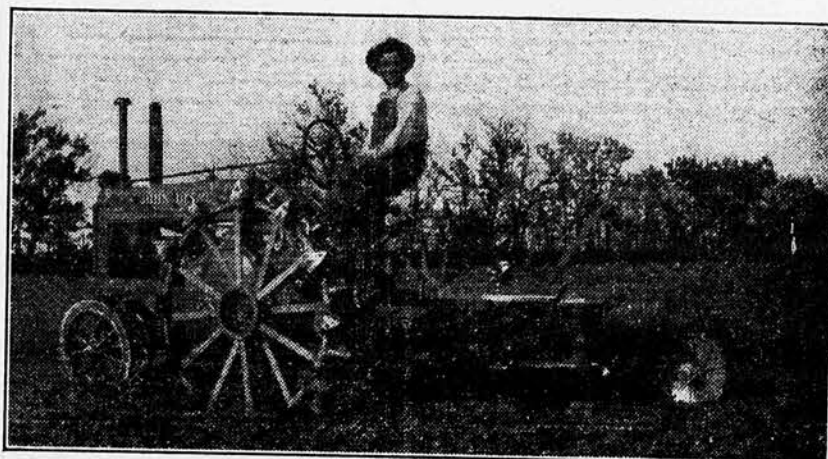
Ready for use winter or summer. No raising required. Two-burner lamp operates inside of waterer. Drinking pan remains 8" from ground. Patented, trouble-free valve heated. Gravity water flow into easily removed drinking compartment. Connects to any water system. Positive valve action prevents overflow. Dependable. Superior.

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Amazingly successful new pump eliminates constant expense. Has no packing box. Balanced pressure prevents rod troubles. Operates by hand, mill, or power. Cuts pumping costs. Dependable and highly efficient. Proved by extensive use throughout Middle West. Write for free circulars. Manufactured by CHANDLER CO., Cedar Rapids, Iowa

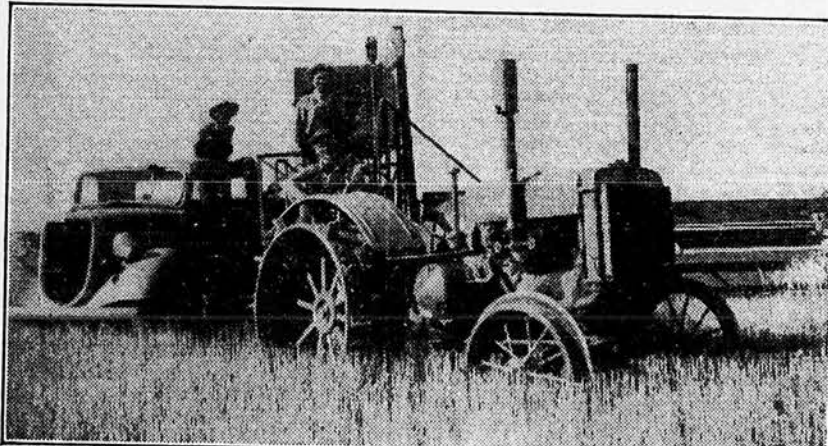
**Real Results From Machines**



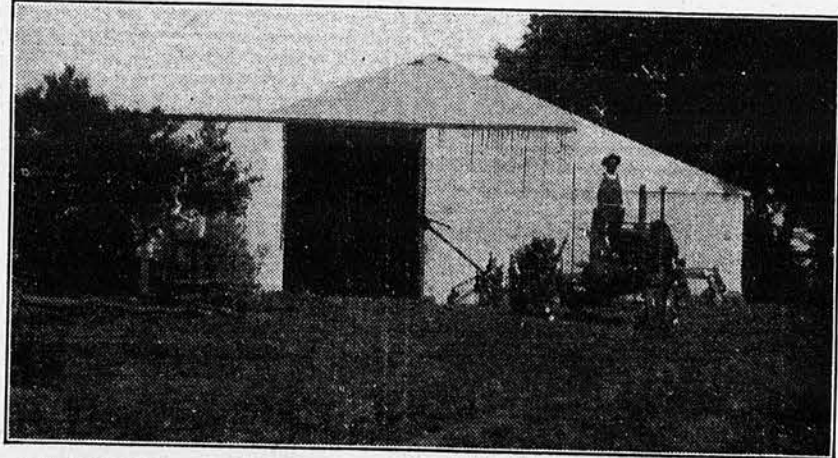
Mr. Kugler on the running board of his 1935 truck during harvest.



Mr. Kugler is busy laying down a heavy alfalfa crop with his 7-foot power mower.



The 1936 harvest was in full swing when this snapshot of the Kugler combine crew was snapped. Thirty days from now they will be starting another big harvest.



This 40 by 60-foot metal building houses all of the machinery and makes a fine place for repair work on equipment which can't be moved into the shop. A separate driveway or lane out to the road is used for machinery.

**H**ANDLING 465 acres of Dickinson county land, 402 acres of it in cultivation, is no small job. John M. Kugler, Abilene, has found he can do it best by using power machinery and giving it tip-top care. One of the first steps in his machinery operations was to build a modern, galvanized sheet metal machinery building, or "shed," as it so often is called. This building is 40 by 60 feet, and it houses all the equipment. A general-purpose tractor is used for row-crop work and haying, while a conventional machine pulls the plows and combine. Wheat is hauled from the field in a late-model truck. Mr. Kugler attributes much of his successful machinery use to good care and winter-time repair of all worn parts. Care of the soil has been one of the prime motives in Mr. Kugler's plan of farming. Alfalfa and Sweet clover are grown extensively, and are combined with stock raising and spreading of manure to maintain the fertility of this Central Kansas farm.



**FARM ENEMY NO. 1**

RATS are an expense no farmer can afford. Every year these pests destroy over \$200,000,000 worth of grain and other property.

Put your profits beyond their reach. Store your grain in an all-metal bin. And while we are talking of "savings," don't let yourself be persuaded into buying a bin made of ordinary galvanized metal. See to it that it is made of Armco Ingot Iron. A bin made of this durable metal may cost a little more, but its extra years of service will more than repay your wise investment.

Leading makers of grain bins, stock tanks, septic tanks, feeders, silos and other farm equipment use Armco Ingot Iron for their better lines — in preference to any other metal — because it lasts. Look for the Armco trade-mark. It will save you trouble and save you money.

THE AMERICAN ROLLING MILL COMPANY  
MIDDLETOWN, OHIO



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**SAVE Moisture**

**CHASE Basin Builder**  
Works behind ALL listers. Prevents soil washing. Holds ALL moisture. Pays its cost many times in increased yields. Cheaper than irrigating. Only CHASE builds high, parallel dams, 6-ft. or 10-ft. apart. Easy to cultivate. Light draft. Automatic. 1, 2 or 3-row.

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PRICES LIKE THESE, JOHN, WILL NEVER AGAIN CATCH ME WITHOUT AT LEAST ONE BIN FULL OF GRAIN IN RESERVE



NOR I, MACK!... DARN NEAR EVERY YEAR PRICES GO UP AFTER THE HARVEST TIME MARKET GLUT!

Government Figures show that in only 2 out of 11 crop years has the average price for all classes and all grades of wheat been higher during a harvest month than during after-harvest months. As a matter of fact, the high price for 11 years averaged 31¢ per bushel better than the low price!

Thrifty wheat growers in So. Central Kansas bought metal bins in 1931, stored 25¢ wheat in them until 1936—sold it at 85¢.

Good wheat prices will tempt you this harvest—but by all means hold at least a part of your crop in Butler Bins!

Only A Few Cents Per Bu. Pays for World's Finest Metal Bins—Bar None

Butler Bins 26 years old are still in use. Now, in addition to steel bins Butler offers bins made of the world famous ARMCO INGOT IRON. This pure galvanized iron—together with the extra structural strength of Butler construction—gives you metal bins that will cost you a small fraction of a cent per bushel per year figured over their long life. Due to crop prospects, Butler-Armco Bins are in Big Demand. Two other grades in the lower price field. See about your Butler Bins now before the rush.

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FREE BOOKLET  
SEND FOR YOURS NOW



# Black Feather

## Fifth Installment

By HAROLD TITUS  
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### In Preceding Installments

Rodney Shaw, last of the independent fur traders opposing the Astor Company, comes to Mackinac to talk terms. He earns the right to wear the Black Feather, symbol of physical superiority. Shaw is asked to submit his independence and work for the Company but he flings defiance at Astor. He attends a dance at the fort and falls madly in love with beautiful Annette Leclere. As queen of the dance she tauntingly selects him as king to reign the following night yet eludes his lovemaking. Shaw is summoned by aging Leslie, a trader who offers him goods for trading purposes to combat Astor. Leslie is ill with old age and asks that Shaw supply the youth to do the work. Shaw spends his day in courting Annette.

**M**EN turned to watch him because, between sun and sun, he had become famous. He had defied Astor and he had flaunted his trespassing in romance upon grounds which, that spring, at least, had been admittedly Burke Rickman's. Others wondered what manifestation Rickman's resentment might take.

But Burke Rickman was not to manifest his resentment. Not openly. Donald MacIver, the shrewd Scot and loyal servant, had seen to that.

He and Rickman were together when Annette drove past that bright forenoon with the pugnacious young Shaw on the gig seat beside her, and MacIver had seen the chill of threat show in the other's eye and the heat of jealousy creep into his cheek.

He had laughed, MacIver had, and laid a hand persuasively on Rickman's arm.

"Don't, lad!" he'd muttered while his eyes twinkled. 'Tis a passing thing. No challenge to ye, is yon upstart. Let him go on. Let him spend, mayhap, hours wi' th' lass. He'll gi' us what we need quicker so than by any ither means."

"Meaning what?" Rickman demanded.  
"This: he's not beaten. He's still got starch in his spine. He's not Meester Astor's mon. 'Nd he must be so if we discharge our juty.

"He made his boasts last nicht that he'd trade again, 'nd in th' territory. It's our obligation to determine where, to follow, to crush th' juice o' resistance from his very bones, if need be. Would he gi' us a hint as to where he'll trade? No! But will a lad tell th' innermost secrets of his heart to a lass? Ay! From her we'll learn. From her, we'll—"

"Damn!" broke in Rickman, but the hand tightened on his arm and Donald's persuasiveness kept on until the anger ebbed in Rickman's eyes; kept, for the hour, at least, he was less the outraged lover than the tactical plotter in a campaign of extermination. . . .

Rodney gestured as king at the dance in the Company headquarters that night and told himself that he was only waiting for the hour to grow late before slipping away to join Leslie.

But when the hour grew late he put it off. Multiple joy and achievement were there. Annette, first of all, was there, challenging and tantalizing him. And Rickman was there, his resentment badly under control. But still, under control, because Duncan MacIver was there, as well, watching.

It gave Shaw vast satisfaction to badger Rickman. The man had dealt him a body blow only weeks back. It was Rickman whom he was going to outmaneuver and outwit in going for the Pillager trade. To see the man fume inwardly, pretending to be at ease when he was in a sweat, made him chuckle even as he held Annette close in the figures of the dance.

But depart at last he did, and found Leslie waiting.

"Well? Do ye take my offer?" the old trader asked.

"I do, pardner."

"Good! We'll sting 'im, th' two on us! We'll sting Astor and claw back at Rickman for what he done to ye. . . . Look, pardner!"

He led Shaw to the stores of trade goods, snug under their oilcloths, and by the light of a blazing torch Rodney beheld the valuables piled neatly there.

He had goods, Leslie had. Goods in abundance. He had casks of alcohol which, diluted to 1/4 its strength, made the rum of the trade. He had tobacco by the fathom, in long, carrot-shaped twists. He had flour and pork and tea; stroud, blankets, ribbons; beads and bangles, bracelets and buttons; powder, guns, traps, axes, knives; net thread and vermilion and mirrors; the thousand and one articles that had value readily translatable into terms of the trade.

Tow sheetings would be fashioned into packages, each to contain 90 pounds, and the goods thus transported to the interior and it was of this task which Rodney talked.

Leslie listened, content to nod or sign now and again. But at last he roused himself to speech.

"Ought to be spy," he whispered. "My men tell on hearin' Rickman puts out afore long. We'd best be weeks . . . ahead on him."

"Can you travel?" Shaw asked bluntly.

Leslie's eyes held on him with a sort of fright, a kind of perplexity. After a moment he nodded.

"Few days . . . rest 'll fix . . . me," he panted.

But Rodney doubted this and suggested that Leslie call on the post surgeon as soon as the man returned from the mission which now took him from the island. At this the oldster rebelled. He had only fear of the blood lettings and physicings of those of his race; rather, he preferred the incantations of savages to treat of bodily ills. And Shaw returned to his tent with misgivings riding abreast his high anticipation of trade . . . and the thrills which coursed him each time he thought of Annette. . . .

So, for a week, while he waited for Leslie to gain strength Rodney Shaw reveled in the pretense that feminine charms held him at Mackinac.

He drove with Annette, walked with Annette; played whist and danced with Annette. Despite the truth that courtship served as a blind to confound the watch he knew must be kept on him, he was enmeshed, as many another had been caught in this half decade since Annette Leclere, done with Montreal schooling, had come back to live with her old aunt.

**A**NNETTE was a problem, indeed. The aunt had finally brought her home from Montreal, not even trusting the vigilance of a convent school, and thereby cut out a chore which taxed her assurance and resources. In winter it was simple, because the young men were gone, but in summer . . . Ah, in summer! The old lady would lift dismayed palms and roll her black eyes when the season was mentioned.

This season, it had been more perplexing than ever, despite the fact that the numbers Annette permitted to trail after her were fewer. First had come this Rickman, who moved like a caged panther and whose cool eyes had the promise of such coldness. A giant of a man he was, yet so easy of movement, so immaculately dressed, with such a manner. Charming, he might be, if one could overlook the possibilities of those eyes.

A deal of gossip had buzzed about him. Some had it that he was British, heart and mind, but if so he concealed his alien status well; besides, his citizenship was of only passing consequence compared to his record with the Company he served. A man to smother and drive out opposition, this Rickman!

Post after post of the independents he had ruined with his shrewd and ruthless competition . . . and that coldness of heart, latent in his eyes.

He disturbed the old lady and she stormed at Annette for having him about, but it did no good. The girl laughed at her. The red-haired Rickman was handsome and he was different from others, with a tongue in his throat and a brain in his skull and it was fair game, teasing him. Why, she had never had one so fine on whom to test her wit and sharpen her resources! (Not for her to say that when she first teased him past certain limits she saw the ice-temper glitter in those blue eyes until chills ran her white back.) The old aunt shrilled and Annette drowned her scolding by laughter.

**T**HEN, from pan to fire. Rickman was banished, tossed aside, snubbed, it would seem, and now it was Shaw who came hammering on doors before dew was dry and who, refused admittance, would sit himself down to wait! Where Rickman had conducted himself with reserve, with the manners of a gentleman, Shaw shouldered his way in, audaciously, almost roughly, and always speaking what was in his mind.

No coating desire with words for him! No saying one thing and thinking another.

"Your flesh is soft and my life has been hard!" he would say. "Your lips are hot, I believe, and my heart has been cold with loneliness. Your words do not matter. I see only the invitation in your eyes. I accept! I will possess you!"

No one else came to court Annette. No other trader, no officer from the fort! Just Shaw. Day and night, night and day! . . . Tho, of course, they did not know that only at the time he would be leaving her in the small hours was it safe for him to make his nightly trip to Leslie's and that thus his wooing served as a blind for a more serious undertaking.

The island gossips wondered that Burke Rickman made no move to oust this usurper. It was the talk of the place. Tents and houses and barracks buzzed with it. But Rickman held his tongue and his peace. . . .

None could know the hours he stood in shadows, ear pressed to door or window while Shaw talked within. None understood the vigilance he and Donald MacIver exercised when they were at cards or other affairs where Shaw had been asked. Ah, no. The servants of the great Company could work subtly and patiently as well as ruthlessly. . . .

Rodney Shaw changed his approach to Annette, scarce knowing that he changed. The light of amused combat left his eyes for minutes; his voice pleaded softly. He lost poise, lost years; he would boast to her of what he had done, of what he could do; he would strut before her. . . . And he would plead, almost seriously, as others had pleaded. Almost seriously . . . not quite, and not for long.

And at those times, the girl was not so ready of tongue. She listened, denying his half-reverent pleas by her silence—but still she listened.

Today, he was in such a mood, stupefied by her toxic beauty, pleading with her to go inland with him, tho a white wife was the last thing his head wanted to bother about. And she put him off and when he wheedled for reasons she listed his shortcomings. She was in play, but he failed to realize her words were not full-meant.

"Presumptuous, reckless, audacious, foolhardy—"

"To desire one so lovely?"

"To risk further the ill will of the Company!"

"Ho!" he laughed. "Why should I fear?"—swaggering like a lad who covers shame of tender years by brash boasting.

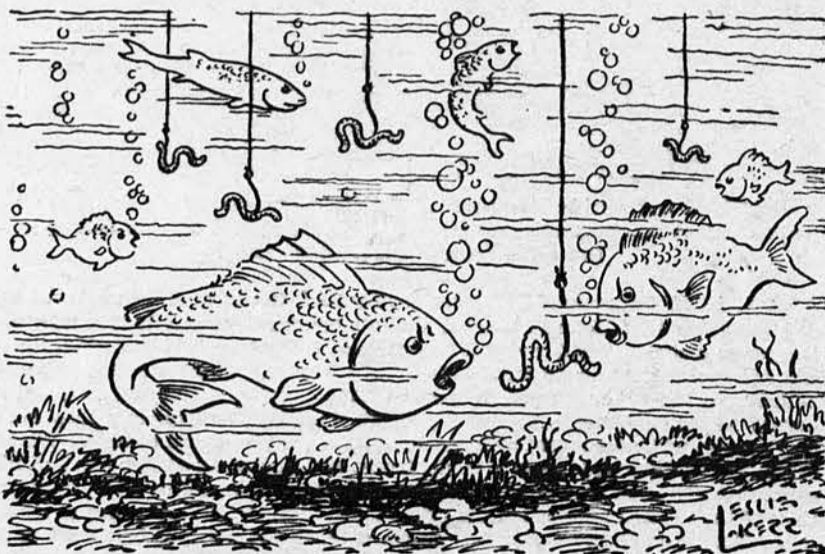
"But they have stripped you of your trade! They will crush you, if you persist!"

"They will try, yes. But they do not guess the card hidden in my sleeve!" (Ah, she is lovely, he thought! Strong talk brings that spark to her eye, that added color to her cheek!)

"Card? You possess some secret? Or is this only an idle boast?"

He had been toying with that same black ostrich plume which had re-

(Continued on Page 20)



"Pshaw! Wish they'd give us a variety—it's worms for breakfast, dinner and supper."





# GLACIER PARK

**AND PACIFIC NORTHWEST**

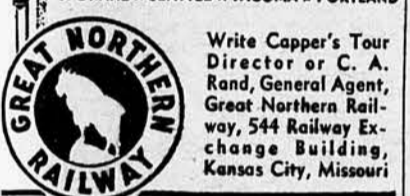
Thrill to the glorious mountain and lake grandeur that makes Glacier National Park, "Land of the Shining Mountain", the vacation paradise of thousands every summer. Swing over the skyline on high-winding trails or modern highways to the very crest of America. View tall-high glaciers, glamorous alpine lakes and majestic peaks of unequalled variety and charm. Stay at big luxurious hotels or cozy chalets. Journey on into the great Pacific Northwest to visit Spokane, Portland, Tacoma, Mt. Rainier, Seattle.

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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. **K.F.5-22-37**

- Folder About John Deere 6-Foot Combine (page 7)
- Book—Modern Low Cost Harvesting (page 10)
- Harvester Supplies and Repair Catalog (page 10)
- Information on Irrigation Pumps (page 10)
- Modern Refrigeration for the Farm (page 11)
- Booklet—How to Raise Strong Healthy Chicks (page 14)
- Sweeprake and Stacker Catalog (page 14)
- Booklet—Cut Washing Time in Two (page 15)
- Booklet—Eggs (page 16)
- Water Supply Equipment Catalog (page 17)
- Chase Basin Builder Catalog (page 17)
- Information About Grain Bins (page 17)
- Booklet—Soil Saving with Concrete (page 19)
- Saddle & Harness Catalog (page 19)
- How to Get More Winter Eggs (page 24)

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

## New Crops Are Cash in Hand On Northeast Kansas Farms

By **JAMES SENTER BRAZELTON**  
Echo Glen Farm, Doniphan County

PERHAPS in no other part of Kansas is there as wide a diversification of crops as may be found here in Doniphan county. General farming is practiced in the western two-thirds where the topography is gently rolling. In the rugged hills to the east many different kinds of crops are grown. Wathena has long been famous for its strawberries and grapes. Being a part of the Louisiana Purchase, the first residents came from France and they were quick to recognize the similarity of conditions here to those in the wine country of their native land. To this day descendants of these early French pioneers still live in and around Wathena as is attested by such familiar family names as Frank, Duparc, Meugnot and Poirier, highly respected and substantial citizens all. In steamboat days the once thriving city of Doniphan was a busy port for shipment of fine wines, made from grapes grown in extensive vineyards near Brenner.

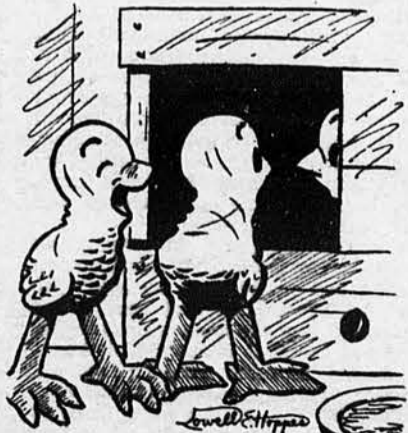
The county is famous for its fine apples produced on a rich Loess soil, the like of which is found only in 2 other places in the world; the Rhine valley in Germany and a section in China. The town of Troy, located almost in the center of the county, is surrounded by 15,000 acres of apple trees. The first orchards were established with stock purchased from one of the state's most picturesque characters, Charles Jesse Jones who, before becoming internationally famous as "Buffalo" Jones, operated a successful nursery here from 1866 to 1872.

### Tobacco Becoming Important

About 15 years ago it was discovered tomatoes could be grown here commercially. Tomatoes are always in demand and because of good prices they usually bring, acreage devoted to this crop has steadily increased every year. One grower may tend from 6 to 10 acres. Most of the tomatoes grown here are staked, the vines being pruned to 2 stalks and tied, one to each side of the stake. The varieties grown are Pritchard, Break o' Day, Bonny Best and Marglobe. Some growers set out late patches which are intended for the canning factory.

Tobacco is rapidly becoming agriculturally important in this county. The industry was introduced here only a few years ago by experienced growers from Weston, Missouri. As yet the number of growers who have gone into it extensively is small but high prices tend to stimulate interest. There are just 2 factors that keep more farmers from growing tobacco; first, the expense of a specially built drying and storage barn. Second, the technical knowledge that is necessary. Most of the growers here have entered a sort of partnership with skilled and experienced hands imported from established tobacco growing districts. The nearest tobacco market for Doniphan county growers is Weston, but much of the tobacco grown here is trucked to Kentucky for sale.

And now comes opportunity for even greater diversification for those farmers in that part of the county which lies next to Atchison. In that city there has recently been established a plant



"She wants privacy while she's laying her first egg. She ain't sure how it's gonna turn out!"

### Elevator Protects Patrons

By **LEONARD NEFF**  
Washington County Agent

A Washington county elevator recently rejected a carload of seed oats that had been delivered to it because the seed oats were not the Kanota variety as specified in the contract. The State Board of Agriculture supported the elevator's contention by identifying the oats as not being the Kanota variety.

With this sort of protection from the dealer, the indifferent farmer who plants the seed that is the easiest to locate is a "sorry" example. Yet local supplies of seed corn produced on the Little Blue, Republican and Mill Creek bottoms are not being taken by local farmers. Instead many are buying seed grown in other states because the price is a half dollar or a dollar a bushel cheaper. The dollar saved in the seed purchase will mean a loss of from 5 to 20 bushels of corn an acre this fall should a crop be produced.

for the manufacture of power alcohol from farm crops. It is predicted within the next 10 years this new motor fuel will loom large as an economic force in American agriculture. There is a wide variety of farm products which may be contracted to the Atchison distillery and farmers convenient to the plant may grow corn, barley, rye, sweet and Irish potatoes, grain sorghums or artichokes. Each of these products has been used successfully as a practical source of anhydrous (water-free) alcohol in the gigantic scientific experiment at Atchison.

### Queen for a Day

Louise Keebler, a charming and stately miss from Denton, reigned supreme over the annual Missouri valley apple blossom festival May 6, 7 and 8. She was chosen queen by popular acclaim from a group of eight contestants, each representing a county in the Missouri River apple district. The coronation ceremony, held in the municipal auditorium, was very beautiful. Placing of the crown was in the hands of Robert Clayton representing a medieval court clergyman. From Mayor Phil Welch, feudal lord of St. Joseph, the queen received the keys to the city.

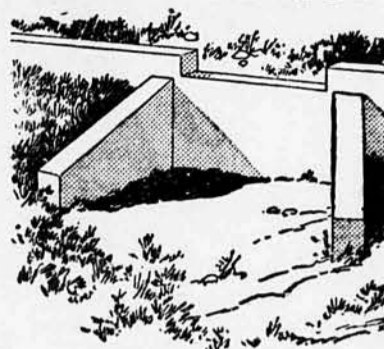
### States Divide Prizes

The outstanding feature of the second gala day was the impressive parade of bands and colorful floats at whose head majestically rolled the queen's barge, accompanied by Boy Scouts and Sea Scouts as honor guards. First prize of \$100 for the best out-of-town float went to Andrew county, Missouri. Elwood, Kansas, was awarded second place. The Cameron, Missouri, High School band won first prize of \$100 and 1 year's possession of a traveling trophy. Second prize of \$40 went to Atchison High School, which won first place last year. Maryville, Missouri, High School band won third place and \$25. The third day of the festival was children's parade in which dolls and pets, trained and otherwise, were exhibited and prizes awarded. The festival was a wonderful success in every way and was a great advertisement for the apple industry. It was estimated that more than 10,000 persons thronged the streets to view the parades.

### Can Expect 'Hopper Crop

Allen county is due for a big crop of grasshoppers this summer. Dr. E. G. Kelley, Kansas State College entomologist, reports after examining fields there. He found 'hopper eggs exceedingly numerous and in first class condition.

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Send for free booklet, "Soil Saving with Concrete," giving details on practical types of dams and terrace outlets.

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## Black Feather

(Continued from Page 18)

posed these days in his waistcoat pocket and now he waved the symbol of superior strength in a dismissing gesture.

"Listen!" he said, halting in their walk and leaning close. "They think me a pauper, and that is well. But here under their nose I've acquired a share in goods beyond my wildest dream! And with these goods I march to the richest ground untended, a ground they plan to work! Not only that, but I go long before they'd dream of departure and with a friendship already established among the hunters Astor covets and plans to swallow!

"Stripped, you think? Crushed? . . . Ah, Annette, there's room for free men yet to stand in this Northwest! But trade,"—lowering his voice to a gentle pitch—"and the freedom it represents is not all one wants and hungers for. I want, I find at last, soft arms to welcome my return to the post after running for fur, and warm lips from which to drink tenderness, and firm breasts on which to pillow my head in peace. . . ."

They were on a forest trail on the heights of the island. Dappled sunlight fell upon them, scents of balsam and cedar were in their nostrils, the songs of mating birds in their ears; and the urge of the season was heavy upon this trader, intoxicating and drugging him for the interval.

"Ah, Annette!" he breathed, taking her hands. "I never thought when I drove my men on this march such a thing would await me! I never dreamed, in the years I've lived, that such a desirable person as you pressed foot to earth! . . ." She was in his arms, then, yielding gently and he felt her quick and irregular breathing against him.

"Dear Annette! Sweet Annette! And I've wasted years thinking of trade, when it's love I want! I've wasted my life, holding freedom as a goal, when it's enslavement in your heart I need!"

"Enslavement, Rodney?"  
"Enslavement?" He repeated the word aloud and looked away from her and at his manner alarm swept into the girl's face. "Of course, it's what I want!" he cried, laughing hungrily to cover his confusion. "You're sweet! You set me on fire!" he muttered, grasping her so roughly that, half frightened, she sought escape. "I'll have you!" he declared but let her break away with small effort to imprison her struggling body. . . .

### Shaw Frightens Himself

They returned to the village, Shaw's tongue losing its ease. He tried to pass off that unguarded moment, those impetuous words, and conduct himself as he had at other times, but that fright persisted. Let lips and breasts seduce him from that objective which was the breath of his life? Ah, no! He'd gone far enough along this course. Why . . . a woman like Annette inland? And, once granted her embraces, leaving her for his trade? He chuckled bitterly at thought of the disaster such would occasion and did not notice that the girl's chin went up and up and that the lights in her eye were not of joy but of temper. . . .

At the gate he told her he could not be with her this night. He had affairs to attend, he said. He was brusque and absorbed, having been frightened by the strength of his own emotions. He left her, impelled to run in flight and she stared after him with the mingled feelings of one who has been rebuffed.

So that night the girl sat alone, hurt and outraged. And Burke Rickman, prowling the places of merriment in his role of spy, saw neither her nor Shaw. But Shaw, he discovered, was at his tent. Annette, then, might be alone and the time he had awaited, and the mood which had been so long in shaping, might have arrived. So he rapped on the aunt's door and found her there, with signs of tears on her cheeks and high temper in her eyes.

Sly, this Rickman, in playing on tempers. He questioned adroitly and probed and prodded to no avail. He changed his tactics and sneered at Shaw and saw the flush whip into her face and tho that dismayed his heart it pleased his mind. And he kept on, belittling Rodney, scoffing at him, predicting his dire future until Annette went white again with provoked loyalty and boasted of her new lover's strength and courage and possessions and plans; her thoughts and impulses

were all ajumble, hating and loving Rodney in the same moment, defending him while she longed to hurt him.

She achieved both. Her boasts were the things Rickman had waited to hear; that was all he needed, to know Shaw had a partnership and planned to march to a rich ground unclaimed by traders. . . .

So, at midnight, when Rodney slipped along the trail to Leslie's tent another followed furtively and when Shaw heard from his partner's lips the thing he had suspected and feared this other listened, prone behind a boulder. . . .

### Death Close at Hand

Leslie no longer deceived himself. The hand of death lay heavily upon him. Giles, his clerk, was holding a cup of water to his lips as Rodney appeared. The old man smiled weakly.

"I've held ye . . . back . . . Delayed ye . . . thinkin' I . . . might git . . . strength. . . . No good," he whispered.

"You take th' . . . goods. Ifen I . . . don't follow they're . . . yourn . . ." he added and his suffering eyes gleamed with stalwart friendliness. "No strings . . . to 'em. . . . Yourn," he said and looked at Giles as if to adjure the man to bear witness to the agreement.

"Take 'em," he gasped. "Use 'em. . . . Standin' Cloud . . . 'Il treat ye like . . . brother."

Rodney knew it was no use to pretend longer that he had faith in Leslie's returning strength. The old trader had faced death from savage enemies and privation and the natural dangers of the interior for years. He was not afraid to die. He regretted, Shaw understood, dying now when the chance was at hand to shake off the shackles the Company had fastened upon him. That was all. That was the spirit of his kind.

"I'll go," he said. "I'll give them such opposition they've never dreamed of! I'll be gone before the sun shows," he promised. "My canoe can handle the goods and yours will be here if things turn better for you, pardner. If they don't," he said, "rest in peace! I've the wind and the legs and the heart to show them that free men still range this territory!"

Leslie smiled peacefully and closed his eyes.

"Good!" he whispered after a moment. "Set a . . . spell, old coon. . . . Waugh!" The brave ejaculation came as no more than a breath.

Leslie roused after an interval and they talked of the route and of the canoe maker who, once Superior was traversed, could supply the smaller craft necessary in the rivers. And all the while that prone figure outside the tent listened, listened . . . scarcely breathing.

It was time for Shaw to go. He must rouse his men, pack their personal effects, launch the canoe and bring it before dawn broke to the landing where Leslie was encamped. The transfer of goods to the canoe would be a simple task.

### The Enemy Strikes!

But no more was said. He waved as he turned and stepped past the fire. He looked back once from the darkness to see the stooped, buckskin-clad figure there outlined against his tent. Then the trail turned and took him from sight.

So he did not see Leslie clutch at his breast and sway and take an unsteady step and fall. He did not see that other man rise from his concealment behind the tent and stand and watch the motionless figure, looking about cautiously after minutes had elapsed and crouch and scuttle to the old trader's side. . . .

A quick hand rolled Leslie over. A cheek went close to his lips. Fingers felt vainly for his pulse. Hands rummaged within the buckskin shirt, feeling the gaunt and lifeless breast.

A knife blade glittered in the firelight. It poised and found its mark and plunged. Then, breath somewhat hoarse, Burke Rickman drew back into the shadows.

He laughed to himself as he gained the beach and began making his way toward the village.

"And who marches for the Pillagers tomorrow?" he muttered. "A tight pinch, Shaw, but we'll see who marched!"

(To Be Continued)



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**PLANTS: TOMATO, SWEET POTATO, CAB-** bage, Cauliflower, Peppers, Eggplant, Lettuce, Tobacco. Largest plant grower in Arkansas Valley. Write for price list. C. R. Goerke, Sterling, Kan.

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**FETERITA, AFRICAN CORN, GOVERN-** ment introduced, is wonderfully drought resistant. Produces when regular corn completely fails. Failure practically unknown. Free complete facts about Feterita. Bargain Nursery, Abilene, Texas.

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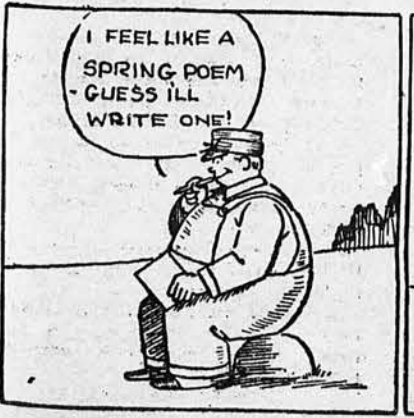
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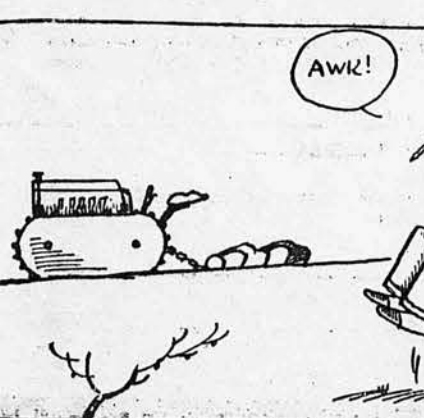
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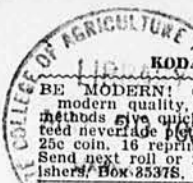
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## Al Puts the Finishing Touches on Slim's Spring Poem







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**SAVE ON YOUR TOBACCO—BUY DIRECT** from our Factory "Kentucky Fried" manufactured Chewing, 30 Big Twists, sweet or natural, \$1.00. 30 full size Sacks Smoking, extra mild or natural, \$1.00. 24 full size Sweet Plugs, \$1.00. Satisfaction guaranteed. Murray Tobacco Co., Murray, Ky.

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**DOGS**  
**SCOTCH COLLIE PUPS SABLE WITH WHITE markings.** Natural heeler. Plenty of grit. Females \$3.00. Clarence Lacey, Meriden, Kan.

**ENGLISH SHEPHERD PUPPIES, SPECIAL prices.** H. W. Chestnut, Chanute, Kansas.

**ENGLISH SHEPHERD PUPPIES, NATURAL heeler strain.** Ed Barnes, Collyer, Kan.

**FARM MACHINERY**

**WE HAVE THE FOLLOWING USED MACHINERY** priced for quick sale: Tractors: D. John Deere, G-P Farmall, Rumely DuAll, Holt 30 Farmall, F-12 Farmall, Rumely Fordsons, 16-30 Caterpillar, 30 Monarch, three Fordsons, 16-30 Oil Pull, Fordson row-crop tractor with cultivator, Threshers: 23 in. Altman-Taylor, 28-inch Rumely Ideal, Engines: 1 1/2 and 3 horse John Deeres, 4 horse Stover, 8 H. P. Witte with saw rig mounted, Han Press: 14-18 Ann Arbor, 14-18 I. H. C. engine mounted, Limestone Pulverizers: No. 3 Jefferies, No. 3 Mid-West, Cultivators: Four 20 Farmalls, one F-12 Farmall, one Fordson, G-P John Deere three-row, single and double row riding cultivators, single, double and three row listed, corn cultivators, horse and tractor drawn, Listers: Farmall, John Deere two row tractor, Model A two row integral also single row horse, Plows: John Deere 14 in. two-way sulky, four bottom 14-inch John Deere, sulky and gang horse drawn, Potato diggers: International six and seven foot, Hoover six and seven foot, Potato graders: Boggs & Howell several sizes, Rotary hoes: 60 J John Deere three-row tractor or horse hitch, Green Brothers, Lawrence, Kan.

**THRESHER MEN! BE SURE OF ACCURATE, dependable weight.** No guessing with Smith Rotary Weigher. Automatic gravity operation. Two buckets assure constant operation. Simple, trouble-free, proved. Automatic counter. Write Smith Rotary Weigher Co., Springville, Iowa.

**WATERPROOF COMBINE CANVASES.** Roller Hold-downs. Rubber Belt rubber slat feeder house raddles. Windrow Pickup. Baldwin woodsaws. Lummer mills. Lockpin Trailer Hitch (whipples). Richardson, Cawker, Kan.

**40-64 MINNEAPOLIS STEEL SEPARATOR.** Garden City 14 foot rubber belt and 160 ft. rubber drive belt, has not been run 100 hrs, sale or trade \$500.00. J. T. Robinson, Wellington, Kan.

**1936 MODEL L CASE ON RUBBER,** 1936 model C Case, 3 bottom Case plow, No. 8 twelve foot International combine; all in good condition. White Die, Route 3, Winfield, Kan.

**BARGAINS IN USED COMBINES AND USED tractors,** different makes. Also bargains in western Kansas lands. Kysar & Sons, Wakee, Kan.

**ALL KINDS OF USED TRACTORS, COMBINES and machinery.** Allis-Chalmers dealer. Weidner Bros., Minneapolis, Kan.

**USED TRACTORS: JOHN DEERE, I. H. C. and other makes at bargain prices.** Groves Implement Co., St. John, Kan.

**USED GLEANER BALDWIN COMBINES, Tractors and farm machinery.** Shaw Motor Company, Grandfield, Kansas.

**30-60 OIL PULL AND 36-60 RUMELY STEEL separator,** all ready to go, \$400. Herman Regier, Moundridge, Kan.

**20 CATERPILLAR TRACTOR, 60 CATERPILLAR tractor,** 32 inch Case separator, C. R. Grosse, Marion, Kan.

**GOOD 32 INCH CASE THRESHER, RUMELY 25-40 tractor,** Baldwin combine, R. L. Yost, Moundridge, Kan.

**JOHN DEERE MODEL A TRACTOR, JOHN Deere three row tractor Lister, Jeter & Skoog, Lyndon, Kan.**

**FOR SALE: GOOD USED BALDWIN COMBINES.** Thompson Bros., Minneapolis, Kan.

**22-44 TWIN CITY SEPARATOR, GOOD condition.** Fred Lager, Grinnell, Kan.

**TRACTOR—AUTO PARTS**  
**USED TRACTOR PARTS. MOST ALL models.** Tremendous stock, satisfaction guaranteed. Write for our low quotations. The Central Tractor Wrecking Co., Boone, Iowa.

**FOR SALE: USED 17-28 TWIN CITY TRACTOR parts;** 20-30% new price. Grover Lee, Pratt, Kan.

**BATTERIES**  
**EDISON STORAGE BATTERIES FOR LIGHT-power plants,** fifteen year life, five year unconditional guarantees. Low prices. Write for 30 day free trial offer. See-Jay Company, 72 Sterling Avenue, Yonkers, N. Y.

**FARM LIGHT SUPPLIES**  
**AIR ELECTRIC LIGHT PLANTS. 32, 110 volts;** 2500 watts, 5 and 10 year batteries. Free literature furnished. Sales Supervisor, 1538 So. Broadway, Wichita, Kans.

**800 WATT 32 VOLT WINDMILL LIGHT Plant \$45 down payment.** Write Katolight, Mankato, Minn.

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**FINAL CLEARANCE, 1/2 HORSE 110 VOLT induction,** alternating motors \$8.50, 1000 watt generators \$19.50. Other bargains. Electrical Surplus Company, 1885 Milwaukee, Chicago.

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**1-WIRE ELECTRIC FENCE CHARGERS, BATTERY, electric Farm Arents wanted.** Heidger Manufacturing Co., R4, West Allis, Wis.

**FENCE POSTS**  
**ARKANSAS AND TENNESSEE RED CEDAR.** Hewn and rough. A. J. Sizemore, Truck loads delivered anywhere. Get our prices before buying. Abbott Haskin, Rt. 4, North Kansas City, Mo.

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**STOCKING RUN MENDER. SIMPLE DEVICE,** uses no thread, makes mending unfeasible. Send dime and stamp. Denton, 257 Techwood, Atlanta, Ga.

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**FREE BOOK RAISE GIANT FROGS**  
EASY TO START! GOOD MARKET! WE BUY! Frog legs in big demand at good prices the year round. Small pond starts you. Men & Women see what others are doing. Free frog book explains unusual offer to beginners. AMERICAN FROG CANNING CO. (10-E) New Orleans, La.

**MISCELLANEOUS**  
**MONEY IN HERBS, WEEDS. FREE PRICE list.** Herbal, Sta. V, Cincinnati.

**LAND—COLORADO**  
**FOR SALE—ROCKY MT. RANCH. 640 ACRES** in Colorado. Ideal dude ranch. 15 miles from State Highway. Bargain. 70 acres farm meadow land. Subirrigated, good roads, Josephine Wilson, Florence, Colo.

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

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**FORECLOSED KANSAS FARM FOR SALE**  
Famous Groves (Potato King) Farm—320 acres on highway thirty-two and Interurban, 180 acres is best potato land in Kansas—practically entire balance cultivatable and extremely fertile. Situated thirteen miles west Kansas City in Wyandotte County. Well improved—22 room modern residence, two cottages, one large barn and other improvements. Must be seen to be appreciated. Will sacrifice for immediate sale. For details and price write W. P. Kenny, 2433 Olive Street, Kansas City, Missouri, or phone Chestnut 4777.

**FOR SALE: 40 ACRES, 8 MILES SOUTHEAST** of Lawrence on creak road, well improved, 20 buildings on it. 60 acres nearby unimproved. All good land, well cared for by owner. Price 40 acres \$4000.00; 60 acres \$2000.00. Possession now if wanted. Would include 6 cows, 3 horses, 9 hogs, some feed, and set farm implements, cream separator for \$600.00. F. S. Cowles, Route 2, Lawrence, Kan.

**FOR SALE: FINE CREEK BOTTOM AL-taifa Farm,** 80 acres, on paved road, near Emporia, modern house, good barn, delco light. Possession any time. T. B. Godsey, Emporia, Kan.

**FARM NORTHEAST KANSAS. WRITE TRIM-ble & Dignan, Sabetha, Kan.**

**LAND—MISCELLANEOUS**  
**FEDERAL LAND BANK FARMS FOR SALE.** We have farms and ranches in Kansas, Oklahoma, Colorado and New Mexico. Priced on actual value. Sold on convenient terms. Favorable interest rate. No trades. Tell what locality you are interested in and we will mail you farm description. Federal Land Bank of Wichita, Wichita, Kan.

**SOUTHERN INDIANA FARM, 75 ACRES: 20** acres timber and post, rest cultivation. School bus, mail route, 8 miles city factory, hatchery, cheese factory; good house, barn, well, outbuildings; \$1600.00, half cash. Everett Criswell, owner, Georgetown, Indiana, Rt. 4.

**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.

**THE GREAT NORTHERN SERVES AN AGRIC-ultural empire where rents, prices and operating costs are low in Minnesota, North Dakota, Montana, Oregon, Idaho and Washington.** Write for Free Book, E. C. Leedy, Dept. 602, St. Paul, Minnesota.

**STOCK RANCHES FOR SALE NEAR BEAU-tiful Black Hills. A. E. Hinman, Rapid City, So. Dak.**

**Mare Has Summer Rash**

I have a mare 7 years old with a bad rash or breaking out. It starts in the spring, she rubs her mane out and makes it raw at first and then it spreads over her body. Where it was sore last year on shoulders and breast are spots of white hair; it healed up in the winter. The local "vet," says there is nothing I can do for it. He thinks it may be the heat and that I had her too warm some time but I don't think so.—E. E. L.

The condition affecting your mare is spoken of as summer rash. There is not very much that can be done in the way of treatment. All parts of the harness that come in contact with the body should be washed frequently with soap and water. Every day all parts of the animal's body that are rubbed by the harness should be washed with soap and water and after this has been done, all parts of the body that have the rash are washed with a solution made by dissolving a heaping tablespoonful of baking soda in a quart of lukewarm water.

This treatment will be quite beneficial, I am certain, altho it may not effect a cure. Some horse owners, in addition to the treatment mentioned above, give the animal, in the grain feed every morning and evening, a fairly heaping teaspoonful of powdered saltpetre.—R. R. D.

**Right Feed Stops It**

How can I keep my pigs from rooting up the pasture?—A. D. F.

If hogs are fed the proper ration, including especially proteins and minerals, they will not root nearly so much as when the ration is deficient. If the protein is from an animal source, such as skimmilk or tankage, hogs will not do as much rooting as when protein is supplied with feeds like linseed oil meal, soybeans or the wheat by-products. The dairy and packing-house by-products, besides providing protein from an animal source, also supply more mineral in the form of calcium and phosphorus than the other feeds. Feed some tankage along with the corn your hogs are receiving. Also self-feed a mineral mixture of equal parts ground limestone, bone meal and salt.—L. A. W.

**Special Care for Ewe**

One ewe I have seems to have a cold and is starting to breathe hard. Is there something to do for it?—D. I. C.

The sheep that is breathing so hard should be kept away from the remainder of the flock. I assume that the animal has been clipped, but if it has not, this should be done at once. Then when the nights are cool, she should be given some artificial protection. During the day hours, it would be best if you would leave her in a small grassy enclosure where she may have an abundance of exposure to the direct action of the sun's rays, and also where she

may get in the shade if she so desires. Let her have all the clean water that she wishes, and tempt her with any good feeds. I am sure this good nursing will help.—R. R. D.

**For Pasture Allowance**

What can I do to get money for rebuilding my pasture land? I have 1,760 acres, 580 in crops, and the rest in buffalo sod which has been hard hit by drouth and dust.—J. A. J., Wallace Co.

Under the range program a range-building allowance is set up. In order to get in on this a range examiner will go over the acreage of grass land and determine its grazing capacity for 12 months. Each ranch owner then will be given a set-up of \$1.50 for each animal grazing capacity of such grass land. He is permitted to earn this amount of money by adopting some of the range-building practices for the 1937 program. You may earn only one-fourth of your range-building allowance by protecting your grassland from spring until the time it seeds.—W. W.

**If There Is Blood in Milk**

H. A. H.

What causes a dairy cow to give bloody milk? Can it come from feeding?—A. K. M.

Bloody milk often is present when the dairyman doesn't know it unless a cream separator is used. Even a small amount of blood in the milk will show in the separator slime.

Blood gets into milk by the bursting of small blood vessels of the udder. This is not due to feed. Occasionally the trouble may disappear for a time, then return at intervals during an entire lactation. Make sure the cow is not injuring her udder by lying in a poorly bedded stall, or by stepping over a high doorsill or bars.

Presence of blood in milk does not mean the animal is diseased. But there are cases in which severe udder infections result in bloody milk. Then the cow needs the attention of a competent veterinarian. It is common for cows to give slightly bloody milk at calving time, since the udder is congested and engorged, and some of the tiny blood vessels are easily ruptured.

Don't use bloody milk. But milk from quarters of the udder not affected will be fit for use as there is no communication from one quarter of the udder to the other.

**IN THE FIELD**  
Jesse R. Johnson  
John W. Johnson  
Capper Farm Press  
Topeka, Kansas

Fred Duphorne, Sharon Springs, Kan., breeder of registered Poland Chinas, has some weanling pigs for sale at attractive prices.

Raymond E. Gardner, Lawrence, Kan., is advertising a proven Holstein herd sire in this week's Kansas Farmer. This bull is registered and Tb. and Bang's disease free.

W. W. Dole, Canton, Kan., has for sale 16 choice Scotch Shorthorn bulls from eight to 18 months old, priced right and of the best of breeding. Write him at once for description and prices.

We have just received this post card from S. J. Francis, Natoma, Kan.: "Can you give us any information about where we can buy registered Hampshire sheep. We have been unable to find any advertised."

Leo Schumacker, Herington, Kan., breeder of registered Spotted Poland Chinas, is advertising some nice pigs of March farrow for sale, sired by Kansas Masterpiece. Look up his advertisement in this issue of Kansas Farmer.

The Robert H. Hazlett estate is advertising again in this issue of Kansas Farmer, the public sale of Hazford Place Herefords at El Dorado, Kan., starting June 15 and continuing until all the cattle are sold. There are around 700 head of Herefords in the sale. You can write to the Robert H. Hazlett Estate, El Dorado, Kan., and secure the sale catalog.

J. C. Banbury & Sons, Plevna, Kan., breeders of registered Polled Shorthorns, are regular advertisers in Kansas Farmer and in a letter just received from them they say they have around 25 bulls now on hand and that many of them are of serviceable age and that some of them are as good as they ever raised. Mr. Banbury

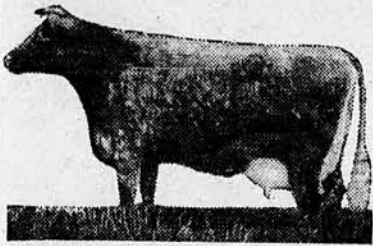
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July	3-17-23
August	14-28
September	11-25
October	9-23
November	6-20
December	4-18

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**SHORTHORN CATTLE**

**Dual Purpose SHORTHORNS**



Our Grandfathers' Durhams, give substantial 4% milk, flesh profitably when dry. Separate registry certificates from Beef Shorthorns.

The Kansas Milking Shorthorn Society presents its 1st annual Show and Sale—

**Salina, Kan., June 12**

51 head besides baby calves selling separate from dams. 39 Cows, 23 two to seven years, 8 yearlings, 3 heifer calves 8 to 11 months. 12 Bulls, 4 of serviceable age, one 13 months, two 11 months, one 9 months, four 8 months. Inspection for the Society by Mr. W. J. Hardy, Mentor, Ohio.

Banquet, 6:30 p. m., June 11th, Lamar Hotel, Salina. A get-together meeting, Carl Parker, Stanley, Kansas, president, toastmaster. Parade of cattle and judging by Mr. Hardy, 10:00 a. m., June 12th. Sale 1:00 p. m. Health certificates for T. and Bang's ready for each buyer at close of sale. For free catalog, ready 10 days before sale, write

Milking Shorthorn Society  
Box 424 Independence, Iowa

**SCOTCH SHORTHORNS FOR SALE**

Herd sire—  
Broundah Favorite 1706221.  
Former sires—  
Baptions Fame, A. L. Senator, Marian Marshal.  
10 choice bulls, 8 to 16 months of age, priced from \$50 to \$75. Color, reds and roans, beef type. Will price a few cows very reasonable. Some with calves at foot. Write for particulars or visit the herd.  
W. W. DOLE, CANTON, KAN.



**Two Reg. Shorthorn Bulls**

of serviceable age, reds and good individuals in breeding condition. Also a few cows.  
JOHN THORNE, KINSLEY, KAN.

H. C. SWEET, STOCKTON, KAN.  
Breeder of Scotch and Scotch topped Shorthorn cattle and Hampshire hogs. Best of blood lines, only the tops sold for breeders. Stock for sale.  
Visitors Welcome—Office in Town

**POLLED SHORTHORN CATTLE**  
**Clippers and Brown dales**

Clippers bred bulls and heifers, 20 registered Polled Shorthorn Bulls. Some show halter broke.  
J. O. BANBURY & SONS, FLEVNA, KAN.

**MILKING SHORTHORN CATTLE**  
**SHORTHORN BULLS FOR SALE**  
from 8 to 24 months old. Sired by MEADOW STAR, out of good producing milk cows, with lots of beef qualities. Priced reasonable.  
A. E. EMRICK, Pritchett (Baca County), Colo.

**HEREFORD CATTLE**

**Dispersal Sale**  
**Hazford Place**  
**Herefords**  
Beginning at 10:00 a. m.  
**Tuesday, June 15**  
Continuing until all cattle sold.  
For catalog address  
**Robert H. Hazlett Estate**  
El Dorado, 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



**ABERDEEN ANGUS CATTLE**  
**Choice Angus Bulls**

Low, thick type, leading families, guaranteed to satisfy or money refunded. Write for full description and prices.  
L. E. LAFLIN, Box 102, Crab Orchard, Nebr.

**BELGIAN HORSES**  
**REG. BELGIAN HORSES**  
JUSTAMERE STOCK FARM  
J. F. Begert, Owner  
Topeka - - - Kansas

**PERCHERON HORSES**  
**REGISTERED PERCHERON STALLIONS**  
Three years old, pasture raised, Black and Browns, \$250 each. Aged mares, weights, 1,300 to 1,600 pounds. Browns, blacks and greys, \$150 to \$200 each.  
Norman Gross, Russell, Kan.

says the pasture is showing up good now and that with favorable weather they are going to have plenty of it.

B. M. Dusenberry, Anthony, Kan., breeder of registered Ayrshires ran some advertising in our special dairy issue, April 24 and under date of May 5 writes us that he was well pleased with it and that he was getting inquiries right along from it for cattle.

If you want to buy a nice young Aberdeen-Angus bull, the kind that you want to buy for your future herd bull, why not investigate the young bulls that L. E. Laflin, Crab Orchard, Neb., is offering in this issue of Kansas Farmer? They are the low, thick set type and from leading families, guaranteed to satisfy or your money refunded. This is no idle talk but from a very reliable breeder who knows what he is offering in Angus bulls, breeding, individual merit and all. So look up Mr. Laflin's advertisement in this issue and write him.

Mr. Harry Bechtelheimer, Fairview, Kan., writes that he was very much pleased with the Dairy number of Kansas Farmer April 24 and that he has recently sold to the St. Marys College a nice heifer that was the first prize heifer in her class in the Sabetha Holstein show at Sabetha April 29. The daughters of King Bess DeKol Conductor are all doing fine. Lady Skylark Alcartra Conductor, first prize two year old at Sabetha, (Miss Bovine America) is producing two pounds of butterfat per day and another daughter of Conductor freshened just recently and is doing just as well as Lady Skylark.

In sending in report of their recent sale which appears in this issue A. P. Enrugh & Sen, proprietors of Plain View Farm at Moundridge, Kan., express themselves as being well pleased with what this paper did for them in securing buyers. They write as follows: "Mr. Johnson: Last but not least, by any means, we wish to express our thanks to yourself and brother, and the Kansas Farmer for the great service rendered in helping us make this sale. In the future when we have stock for sale from our registered herd we will always advertise in Kansas Farmer because advertising in that paper always bring good results."

H. G. Eshelman, Sedgwick, owner of Maple Leaf Stock Farm, Sedgwick, Kan., in a letter just received from him says his sale was a very good one that he held last February and everything sold very well as compared with prices for Percherons in other sales. His stallions did not bring as good prices as they should considering their real value. Oklahoma was well represented with buyers at the sale and many of the good ones went to Chas. Bates of Ada, Okla. Since the sale Mr. Eshelman has sold him 10 head of Percherons. Mr. Eshelman has bought some nicely bred Percheron mares and added them to his herd and now has about 20 Percherons.

C. L. Withers and Carl Dietrich, both of near Leavenworth, recently visited the H. C. McKelvie herd of registered Milking Shorthorns at Lincoln, Nebr., R. 2, and each bought a nice young head bull. Mr. McKelvie says they were a splendid pair of young bulls. There are a number of McKelvie Milking Shorthorns scattered over Kansas, both males and females that are highly satisfactory, that were bought in Mr. McKelvie's auctions and many that were purchased at private sale. Mr. McKelvie advertises in Kansas Farmer whenever he has anything for sale and we are glad to recommend his nice herd of Milking Shorthorns to any one looking for cattle.

If you are in the market for a Polled Hereford bull that has the right background of famous ancestors and one that has been grown and developed under the most favorable conditions, write to Goernandt Bros., Aurora, Kan., Cloud county, and arrange an appointment to go and see their herd near Aurora. Remember that the Goernandt Bros. herd has been the home of the great sires Polled Harmon and Worthmore and other famous sires of the Polled Hereford breed. This is your opportunity to buy at private sale, either females or males and at reasonable prices. They are regular advertisers in Kansas Farmer. Look up their advertisement in this issue and write them.

J. P. Todd, Castleton, Kan., owner of Riverside Stock Farm, home of a splendid herd of registered Jerseys that has been in the building for more than 20 years, is advertising some cows and heifers at private sale that you should know more about if you are going to buy. The private sale offering consists of registered cows and heifers and heifer calves. The cows are fresh or due to freshen soon and there are some open heifers. They are good type, good individual and good udders. Bulls of Hood farm, Raleigh, Oxford and Financial breeding has been in use during the 20 years building up the herd. Write to J. P. Todd, Castleton, Kan., for prices and descriptions. Look up the advertisement in this issue of Kansas Farmer.

Mr. Jesse R. Johnson, Livestock Department, Kansas Farmer, Topeka, Kan. Dear Mr. Johnson: Find enclosed check to pay for advertising in Kansas Farmer. This advertising in Kansas Farmer certainly brought results. I have sold all the stock I care to at the present time except a few baby bulls. I never have seen the demand for Milking Shorthorns so great as it has been this spring. I have sold all of the bulls I have and could have sold at least 10 more if I had had them old enough for service. I have placed bulls recently with Ralph E. Morris, Longford, Kan.; John M. Sauber, Claffin, Kan.; Robert J. Mahoney, Bunker Hill, Kan.; V. T. Harms, Newton, Kan.; Lowell Lauer, Elmo, Kan.; C. S. Sallenberger, Ramona, Kan.; and Elvin Stice, White City, Kan. Yours very truly, J. R. Huffman, Abilene, Kan. May 3, 1937.

The A. P. Unruh & Sons reduction sale of Guernsey cattle, held at Plain View farm, near Moundridge, Kan., Tuesday, May 4, was very much of a success. In spite of the prevailing rainy weather the sale was well attended. The 25 Guernseys sold for a total of \$1,275.50 and of the offering only eight were cows in milk, the rest being a fine lot of young heifers, heifer calves and young bulls. The top was \$121, paid by Ed Entz, Newton, Kan., for a grade cow. The top price on heifers was \$70, and baby calves sold for from \$14 to \$23. The longest distance from home to where cattle went was Meade, Kan. John J. Friesen, of that place, was the buyer. The Unruh's were well pleased with the sale and the results from their Kansas Farmer advertising and with the services of Boyd Newcom, their auctioneer. In the future they will breed only purebred registered Guernseys.

Harry H. Reeves, Pretty Prairie, Kan., secretary of the Kansas Milking Shorthorn Society, writes us as follows: "This is to inform you that the Kansas Milking Shorthorn Society's first annual consignment sale will be held at Salina, Kan., Saturday, June 12. The society has em-

Johnson Bros., Livestock Department, Kansas Farmer, Topeka, Kansas.

Dear Johnsons: This is a very tardy acknowledgement of the April 24 issue of the Kansas Farmer and may I take this opportunity of expressing to you our appreciation for the way you have handled our various Ayrshire advertisements, as well as the very nice treatment of the twin-calves from Strathglass Jingle, and the head of the old cow herself. All of this should serve the Ayrshire breed very well and we want you to know that it is all greatly appreciated.  
C. F. Conklin, Brandon, Vt., secretary Ayrshire Breeders Association, May 4, 1937.

ployed Roy A. Cook, Independence, Iowa, as their sale manager. A nice sale catalog is now on the press and can be had for the asking by the time you have read this. Leading Kansas breeders are consigning splendid cattle, all in good health and representing ancestors of the Milking Shorthorn breed that have been noted for years for milk production and good fleshing qualities as well. Look up the advertisement in this issue of Kansas Farmer and write Roy A. Cook, Independence, Iowa, for the sale catalog. This is a fine opportunity to combine a business and pleasure trip and visit Salina, one of the truly typical central Kansas towns. In our next issue, June 5 we will give more information about the sale offering and other particulars concerning the sale. But write today to Roy A. Cook, Independence, Iowa, for the sale catalog.

Twenty-one Holstein breeders living in Dickinson and adjoining counties exhibited 61 animals at the first annual Black and White show to be held at Herington, Kan. Something like 1,000 farmers, town folks and breeders viewed the exhibits. Over one hundred boys and girls competed for prizes in the 4-H vocational agricultural exhibits and sixty-seven adults did their best to select the best animals shown. Valuable prizes were given by merchants in the different judging contests. Robert Geiger of the National association placed the awards. Seventeen of the best mature cows ever led into a show ring in Kansas was the big feature of the show. In the adult judging class first place went to W. A. Fisher of White City, \$3 given by the First National Bank. John Cook of Abilene won first and second in the vocational class. John Bell, Abilene; W. R. Hazlett, Milford; N. W. Upham, Junction City, and Homer Ram-souer, Junction City, were chosen as the judging team to represent the association at Topeka Free Fair in the Kansas Farmer cash prizes to be awarded at this show. The success of the show was largely due to the efficient work done by W. H. Mott, president, and Mrs. E. W. Obitts, secretary of the show.

**Kansas Dairy Cattle Spring Shows**

- Milking Shorthorns**  
June 1—Northeast Milking Shorthorn breeders district, Lawrence.  
June 2—Southeast Kansas, Chanute.  
June 3—Central Milking Shorthorn breeders district, Salina.  
June 4—Western Milking Shorthorn breeders district, Dodge City.

**Public Sales of Livestock**

- Herefords**  
June 15—Robert H. Hazlett estate dispersal sale, El Dorado, Kan.  
**Milking Shorthorn Cattle**  
June 12—Kansas Milking Shorthorn Society, consignment sale, Salina, Kan.

**JERSEY CATTLE**

**AT PRIVATE SALE**  
**Registered Jersey**  
cows, fresh or to freshen soon, some choice open heifers and heifer calves. Good type and individuals and nice udders. Write for prices at once.  
J. P. TODD, CASTLETON, KAN.

**HEREFORD HOGS**

**Reg. Hereford Hogs**  
for sale. Gilts open and bred. Pigs, both sexes, \$15 each, two for \$25 at 10 weeks. Yearling boar, good, \$40.  
C. A. MATTI, COTTONWOOD FALLS, KAN.

**Hereford Hogs, Polled Hereford Cattle**

Gilts due in September, pigs at weaning time. Vaccinated, \$95 per pair. Choice Polled bulls, one a yearling, Suffolk and Cheviot rams, all ages. Write for catalog.  
HENRY WIEMERS, DILLER, NEBR.

**CHESTER WHITE HOGS**

**Fall Serviceable Boars**  
Bred gilts and gilts with litters and weaning pigs, either sex. Five miles west on 40.5 miles north of Russell, Kan.  
MARTIN CLAUSSEN, RUSSELL, KAN.

**BERKSHIRE HOGS**

**Berkshire Pigs**  
Bred from the best show herds.  
G. D. WILLEMS & SONS, INMAN, KAN.

**JACKS**

**The Home of Champions**  
**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.

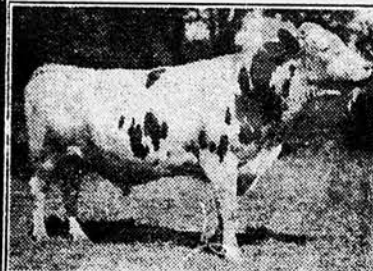
**AUCTIONEERS AND SALES MANAGERS**

**BERT POWELL, AUCTIONEER**  
Livestock and Real Estate. Ask anyone I have worked for. Write or wire.  
Bert Powell, McDonald, Kan.

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

**HOLSTEIN CATTLE**

**SUNNYMEDE FARM**



**B. I. S. Mercedes Walker Korndyke**  
Holstein-Friesian Mt. Hope Index  
20,380 pounds milk, 721 pounds fat  
This high record proven sire in service at Sunnymede Farm.

**A Daughter**



**Sunnymede Korndyke Hartog**  
**HER RED BOOK RECORD**  
Twice-a-Day Milking—Class "C"  
2 yrs. 15,502 lbs. milk 505 lbs. fat  
3 yrs. 17,306 lbs. milk 609 lbs. fat  
4 yrs. 15,809 lbs. milk 553 lbs. fat  
5 yrs. 20,166 lbs. milk 655 lbs. fat  
Just fresh as a 6-year-old and on twice-a-day milking producing 80 lbs. per day.

Sons and grandsons of B. I. S. Mercedes Walker Korndyke 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 638 lbs. fat.  
H. A. DRESSLER, LEBO, KAN.

**Proven Reg. Holstein Bull**

T. and Bang's disease free. Write for price.  
Raymond E. Gardner, R. 5, Lawrence, Kan.

**GUERNSEY CATTLE**

**Reg. Guernsey Bulls**  
for sale. Six to 24 months old. Popular breeding. Prices, \$50 to \$150. T. and Bang's accredited.  
TOM COOPER FARM, ARDMORE, OKLA.

**BROWN SWISS CATTLE**

**FOR SALE**  
**BROWN SWISS BULLS**  
G. D. SLUSS, R. 1, EL DORADO, KAN.

**BROWN SWISS CATTLE**

For sale: Registered milch cow fresh April 1st; also her calf and a 2-year-old heifer.  
I. B. TOKOL, DIGHTON, KAN.

**SPOTTED POLAND CHINA HOGS**

**Spotted Poland Pigs**  
12 nice ones, March farrow, quick maturing kind, easy feeders. Sired by Kansas Masterpiece 17838. LEO SCHUMACKER, Herington, Kan.

**DUBOC HOGS**

**30 BRED GILTS**  
Superior bloodlines. Bears all ages, rugged, heavy boned, shorter legged, earlier feeding, medium type kind. Shipped on approval, reg. Stamp for catalog. Photos.  
W. R. HUSTON, AMERICUS, KAN.

**Livestock Advertising Copy**  
Should Be Addressed to  
**Kansas Farmer**  
Livestock Advertising Dept.,  
**Topeka, Kansas**

Kansas Farmer is published every other week on Saturday and copy must be mailed to reach the Kansas Farmer office not later than one week in advance of publication date.  
Because we maintain a livestock advertising department and because of our very low livestock advertising rate we do not carry livestock advertising on our Farmers' Market page.  
If you have pure bred livestock for sale write us for our special low livestock advertising rate. If you are planning a public sale write us immediately for our SPECIAL PUBLIC SALE SERVICE  
**KANSAS FARMER**  
Topeka, Kansas  
John W. Johnson, Manager,  
Livestock Advertising Department





**ONE WINTER  
EGG IS  
WORTH TWO  
SUMMER  
EGGS**



**Those Fine-Profitable Layers of Yours Next Winter  
Are Your Young Pullets Today---  
if You Carry Through on**



**GROWING MASH  
PELLETS**



Now that your chicks are PAST THE DANGER PERIOD - CARRY THEM THROUGH TO EARLY PROFITABLE LAYERS on NUTRENA GROWING MASH PELLETS.

**Year 'Round Layers are the Best Payers**

It is poor economy to make your well started chicks rustle for themselves during the growing period.

Successful poultry raisers know that if their pullets are to become year 'round producers, they must be properly supplied,

**IT COSTS ONLY A FEW CENTS TO DEVELOP A PULLET TO MAXIMUM LAYING CAPACITY**



during the growing season, with the necessary nutrients, minerals and vitamins. Grain will not do the job - neither will bugs, weed seeds, nor table scraps. NUTRENA Growing Mash Pellets supplies everything the growing pullet needs.

**Needed Growth Elements**

Records of users show that NUTRENA Growing Mash Pellets brings their pullets into full maturity for profitable pro-

duction approximately 30 days sooner than when cheap feeds are used.

**The Natural Feed to Use**

NUTRENA Growing Mash Pellets are easier to feed - are more sanitary - help prevent disease and eliminate waste. Each mouthful of NUTRENA Growing Mash Pellets is a complete balanced ration - biologically correct containing POSITIVE Vitamin and NUTRITIONAL Value.

**A Real Investment For You**

Your chicks will more than pay you back for the care and feed you give them during the growing period. A few cents spent now for NUTRENA Growing Mash Pellets will mean that you will bring your pullets into capacity production - laying earlier and better the year 'round. Most users report that pullets fed on NUTRENA Growing Mash Pellets, lay large eggs almost from the start. Make sure of plenty of Eggs next Fall and Winter when prices are high, by feeding NUTRENA Growing Mash Pellets.

See Your NUTRENA Dealer or Write for FREE Literature

**Nutrena Mills, Inc.**

**Coffeyville, Kansas  
Kansas City, Kansas**