

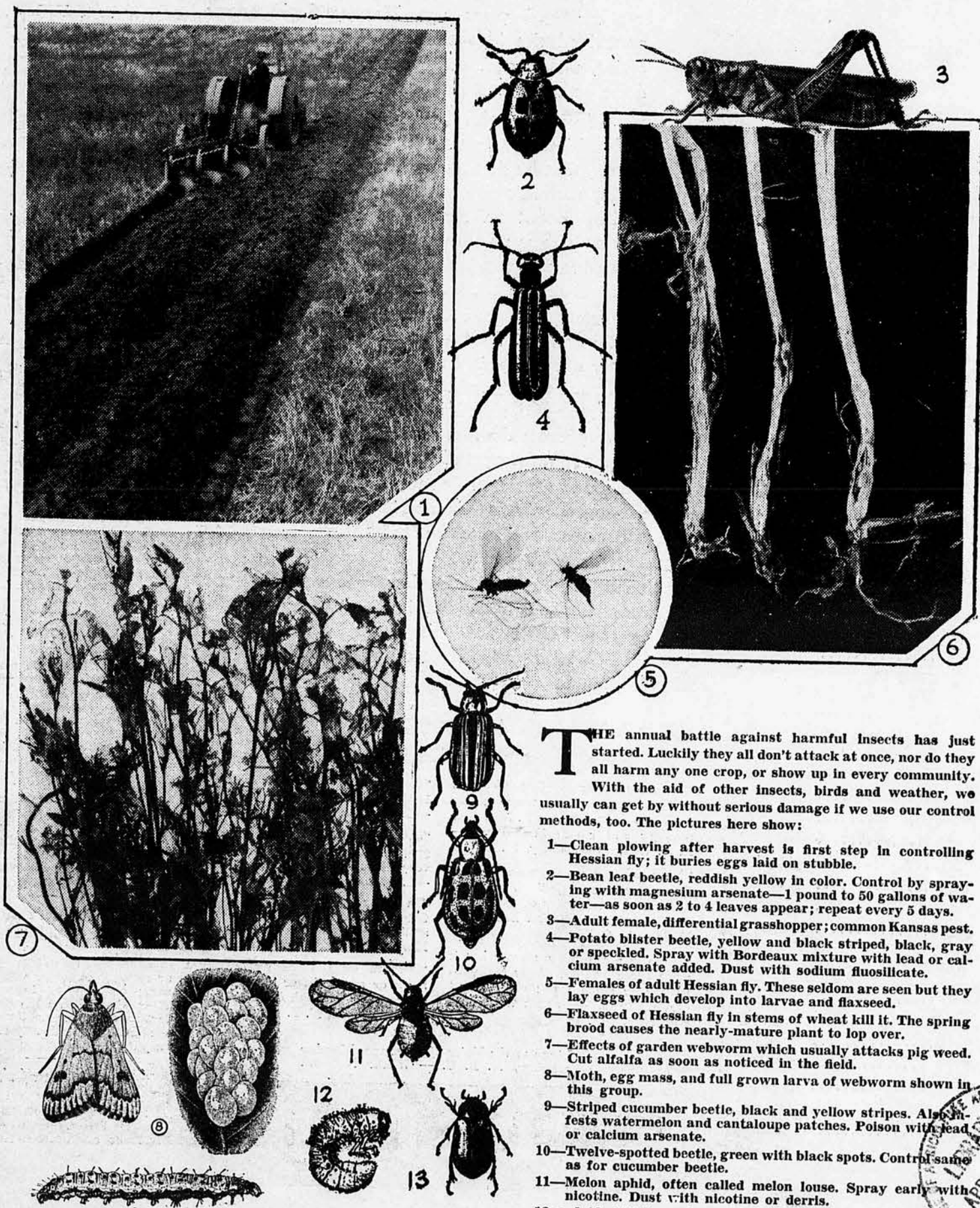
# KANSAS FARMER

CONTINUING  
MAIL & BREEZE

Volume 74

April 25, 1936

Number 9



**T**HE annual battle against harmful insects has just started. Luckily they all don't attack at once, nor do they all harm any one crop, or show up in every community. With the aid of other insects, birds and weather, we usually can get by without serious damage if we use our control methods, too. The pictures here show:

- 1—Clean plowing after harvest is first step in controlling Hessian fly; it buries eggs laid on stubble.
- 2—Bean leaf beetle, reddish yellow in color. Control by spraying with magnesium arsenate—1 pound to 50 gallons of water—as soon as 2 to 4 leaves appear; repeat every 5 days.
- 3—Adult female, differential grasshopper; common Kansas pest.
- 4—Potato blister beetle, yellow and black striped, black, gray or speckled. Spray with Bordeaux mixture with lead or calcium arsenate added. Dust with sodium fluosilicate.
- 5—Females of adult Hessian fly. These seldom are seen but they lay eggs which develop into larvae and flaxseed.
- 6—Flaxseed of Hessian fly in stems of wheat kill it. The spring brood causes the nearly-mature plant to lop over.
- 7—Effects of garden webworm which usually attacks pig weed. Cut alfalfa as soon as noticed in the field.
- 8—Moth, egg mass, and full grown larva of webworm shown in this group.
- 9—Striped cucumber beetle, black and yellow stripes. Also infests watermelon and cantaloupe patches. Poison with lead or calcium arsenate.
- 10—Twelve-spotted beetle, green with black spots. Control same as for cucumber beetle.
- 11—Melon aphid, often called melon louse. Spray early with nicotine. Dust with nicotine or derris.
- 12 and 13—White grub and adult, the large, brown June bug.





# A GREAT CONTRIBUTION TO EASIER, FASTER MORE ECONOMICAL FARMING



**Guarantee—**  
This heavy, Super-Traction tread is guaranteed not to loosen from the tire body under any conditions, and all other parts of the tire are fully guaranteed to give satisfaction.

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Other Sizes Priced Proportionately Low

THREE years ago Harvey S. Firestone conceived the idea that farm work would be easier, faster, and more economical if it were done on rubber.

It was on the Old Homestead farm in Columbiana County, Ohio, which Mr. Firestone still operates, that he directed engineers and developed a practical pneumatic tire for tractors and every other wheeled implement on the farm. The result was a super-traction tire so unusual in design and so amazing in performance that a patent was issued on the tire by the United States Patent Office at Washington.

On tractors, Firestone Ground Grip Tires will do the work 25 per cent faster with a saving of 25 per cent in fuel cost. On sprayers, combines, binders and other farm implements they reduce draft 40 to 50 per cent; do not pack the soil, sink into soft ground or make ruts; protect equipment; do not damage crops and vines; speed up every farm operation.

One set of tires will fit several implements. Tires can be changed quickly from one implement to another. Two or three sets are all you need to take care of practically all your farm implements.

See the Firestone Tire Dealer, implement dealer or Firestone Auto Supply and Service Store today — and in placing your order for new equipment, be sure to specify Firestone Ground Grip Tires on your new tractor or farm implement.

## READ WHAT FARMERS SAY ABOUT THESE REMARKABLE TIRES

"With my tractor on Ground Grips it has about one-third more power, pulls two 16-inch plows in high gear under all conditions."—R. A. Wharram, Stanley, Ia.

"I can move my tractor on Ground Grips from one job to another without the necessity of loading it onto a trailer."—Robert E. Hooker, Highlands, Calif.

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Listen to the Voice of Firestone, Monday evenings, N. B. C. — WEAf Network

# Firestone

## Our Busy Neighbors

BESIDES the duties of the average farm wife, Mrs. Jean G. Heil, Wabunsee, has two hobbies. First, she is a composer. She has composed several musical arrangements for the piano and has written some sacred music. She has been making this hobby pay by giving music lessons. Her other hobby is making toys for children. She hopes this income will pay for the copyright and publication of her music.

## Ready for Beet Crop

SUGAR beet seedbed conditions are the most favorable in 5 years, says word from Garden City. Acreage plowed there was larger this year than on June 1, 1935. The Garden City Company, which operates the only sugar company in Kansas, planted 5,000 acres of alfalfa to build up fertility of beet land. Conditions are reported good in the Arkansas and the Pawnee Valleys, where 10,000 acres are under contract.

## Big Underground Crop

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

## Just One of Millions

RIGHT now you are one of 22,400,000 motor car owners. If you own a truck, you are one in 3,600,000. If you are an average driver, you are using 690 gallons of motor fuel a year. Good authorities expect an increase of 43 per cent in the number of motor vehicles traveling the roads of the United States by 1960.

## Women Know Farming

INCREASED attendance of women at recent annual meetings of Production Credit Associations, shows the new interest farm women are taking in the financial and business operations of the farm. Some town folks would be surprised if they knew how important farm women are to the business side of farming.

## Kansan Sells 70,000 Lambs

A SHIPMENT of 17,000 fat lambs in 71 carloads cleaned up Bert C. Culp's winter lamb feeding operations which amounted to 70,000 lambs in all. Mr. Culp's home is in Beloit, but he has feed yards in many parts of Kansas and Nebraska. This Mitchell county feeder is the largest sheep feeder in the United States.

## No Cause for Alarm

ONE authority says if the sun should explode, the earth would be nothing but a hot cloud of gases, drifting into space, within 8½ minutes. But there is no cause for alarm, since astronomers say the sun is only about 2,000,000,000 years old and has at least 1,500,000,000 years to live.

## Eggs by the Pound

IF ALL eggs were like this one, a dozen would weigh almost 3 pounds. Harold E. Brown, Longford, has been displaying an egg laid by one of his White Wyandottes which weighed almost 4 ounces. Its circumferences were 8 inches and 6½ inches.

## How You Don't Catch Cold

YOU can't catch cold by sitting in a draft, according to Dr. J. A. Doull, of Ohio. Nor by getting your feet wet or rushing outdoors without an overcoat; or stepping into a cold room after a hot bath. You catch cold by infection only, the doctor says. But we are not going to do any of these things on purpose.

## Maps Out of the Air

SHIPS at sea now can get up-to-the-minute weather maps by radio. The Weather Bureau prepares the maps. A big radio corporation transmits them by radio equipment along the general line of wired equipment used in transmitting newspaper photographs. This may reduce sea disasters.



TUDOR CHARLES.....Associate Editor  
HENRY HATCH.....Jayhawker Farm Notes  
H. C. COLGLAZIER.....Short Grass Farm Notes  
DR. C. H. LERRIGO.....Medical Department  
J. M. PARKS.....Protective Service

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# KANSAS FARMER

MAIL & BREEZE

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Seventy-Fourth Year, No. 9 \* \*

April 25, 1936

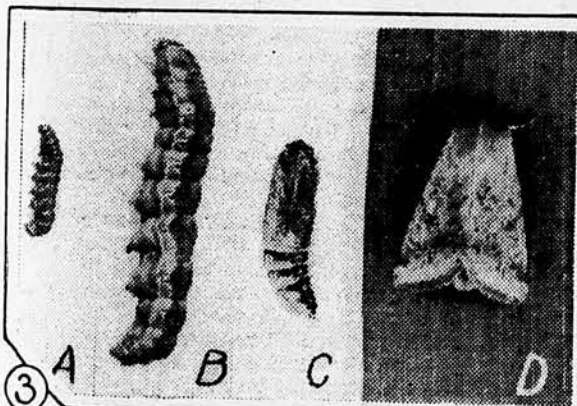
Every Other Saturday—1 Yr., 50c; 3 Yrs., \$1

## Harassed by Insects

### Battles of '36 Will Be Fought on These Fronts

TUDOR CHARLES

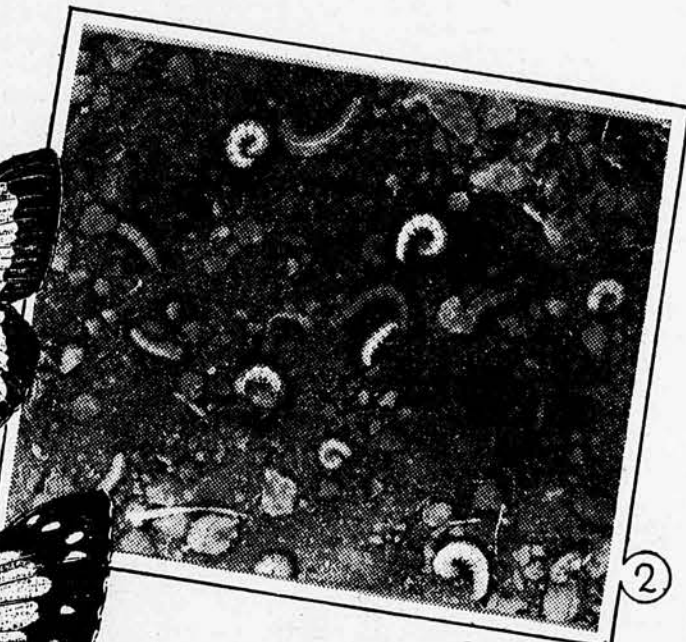
**N**O ORDER to "cease firing" will occur in crop insect ranks this year. The biggest mass attack at present is on the Hessian fly front. A survey of 25 counties in Southeastern Kansas last fall, directed by E. G. Kelly, college extension insect specialist, showed nearly all wheat fields seeded before the fly-free date were infested with Hessian fly. Infested plants had from 1 to 40 "flaxseed" on them. This is what damaged many fields of partly abandoned wheat which were thought to have winter-killed.



Mr. Kelly reports fields from Topeka to Olathe and south to the Oklahoma line showing heavy fly infestation. Early in April A. L. Clapp and Dr. R. H. Painter of Kansas State College, looked at wheat fields in Geary, Morris, Chase, Marion, Lyon, Coffey and Osage counties. A few "flaxseed" were found in nearly every field examined.

The "flaxseed" is the stage of the Hessian fly life cycle from which the adult appears. Cold weather of early April, Dr. Painter said, had come too soon to kill the flies, which were not yet out. A freeze in late April this year may kill many of them and prevent reinfestation. A great many wheat plants survive the fall infestation by sending out a new shoot. Farmers will find this condition in their fields. But the plant is weakened and if the spring brood of flies lays eggs on it in April, the resulting "flaxseed" will cause the plant to break and lodge at heading time.

If there is 10 to 15 per cent of plants infested from the fall brood of Hessian fly, Dr. Painter said the situation is dangerous. A freeze which catches the flies out is the main hope. If larva are found on the wheat plants around May 1, there will be fly damage later. Some good may be realized from grazing off the wheat and then plowing as soon as possible for soybean planting. In the area infested in Kansas this year there is danger of chinch bugs if corn or sor-

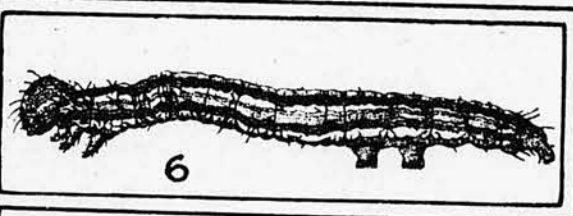
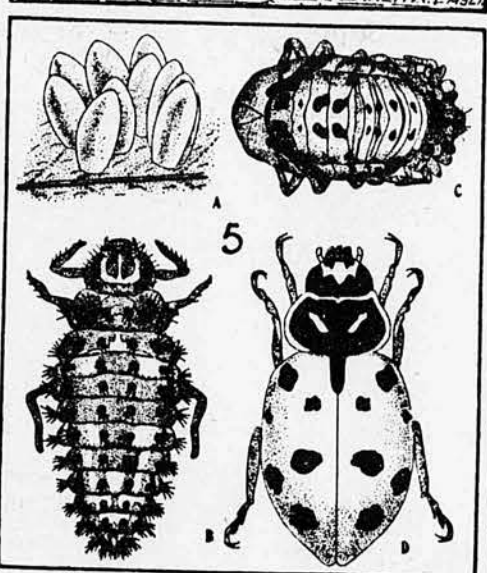
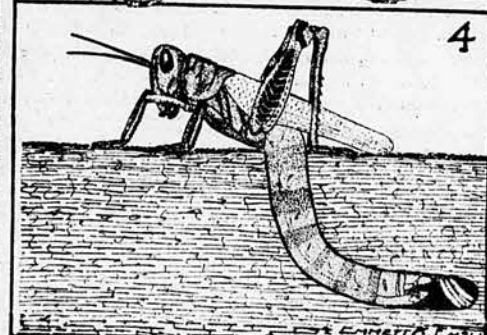


ghums are planted on abandoned wheat land, unless all wheat plants are killed. The thin wheat attracts chinch bugs and the corn and sorghums give the bugs a picnic.

Every farmer from the Missouri line to Barton and Ellis counties ought to make plans to fight the Hessian fly this summer and fall, is E. G. Kelly's opinion. Disking behind the binder or combine will start volunteer wheat. Then clean plowing will cover the stubble and volunteer wheat. Harrowing will cover any crop refuse which is missed. The summer crop of "flaxseed" will be on the stubble after harvest so plowing will check it. Volunteer wheat is a friend of the fly and should be destroyed before fall. The final step in fighting the fly is to seed wheat after the fly-free date.

Remember, community action to control Hessian fly will have better and more lasting results. But a farmer usually can get effective control on his own farm regardless of what neighbors do.

The winter survival of chinch bugs was high. Bugs did considerable fall damage to sorghums. They were busy in counties over the eastern half of Kansas and



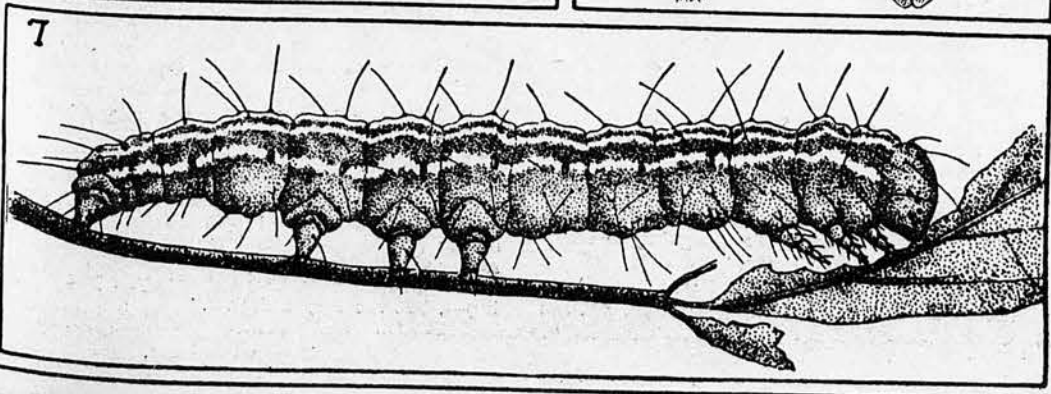
also were observed close to farm buildings in a number of far Western counties in cases where sorghums and fodder had been shipped from Eastern Kansas.

Crop planting is the cheapest and surest step in (Continued on Page 18)

### The Pictures:

- 1—Male and female alfalfa butterfly. They nearly always are present in alfalfa fields. The larva is a caterpillar which does little harm because of a disease which controls it.
- 2—Army cutworms, showing normal occurrence in a field of vetch or other hay.
- 3—Corn-ear worm: (A) Small larva, (B) fully grown larva, (C) pupa, (D) moth on corn leaf. This worm does heavy corn damage and control methods in corn are unknown.
- 4—Showing how a grasshopper lays her eggs in grass sod, where they lie over winter and hatch in spring.
- 5—Four stages of the lady beetle: (A) Eggs, (B) larva, (C) pupa, (D) adult. They prey on pea aphids.
- 6—Grown larva of the forage looper, which matures into a moth. This insect may feed heavily in alfalfa in early autumn but so far has never staged a serious outbreak. Don't confuse it with fall army worm, which has 4 pairs of abdominal prolegs—hind legs.
- 7—Another worm which never yet has caused serious injury is the green clover worm. Notice it has 3 pairs of rear legs.

Photos on cover and page 3, courtesy of Kansas State College and Kansas State Board of Agriculture.





# Nature Made a Cattle Country

Passing Comment by T. A. McNeal

**M**Y FRIEND J. C. Mohler, not only is an efficient Secretary of Agriculture; he also is a charming writer. His most recent offering is a 286-page pamphlet on "Beef Cattle in Kansas," which not only is highly informative, but interesting even to a reader who may not be personally interested in the cattle business.

The story of cattle is and always has been a saga of adventure, a romance as thrilling as the story of the Argonauts or the adventures of the Crusaders. "Kansas from time immemorial," says this interesting pamphlet, "has been a cattle country. Endowed by nature with grasses which few other areas, if any, of the continent equal, and none surpasses; the natural sequence has been a constant presence of thousands of grazing animals which have supplied many of the varied wants of mankind."

Coronado in his celebrated trek in search of the fabled cities, mentions what afterwards became Kansas and the herds that fed on its succulent grasses. "The place I have reached," he wrote, "is in the 40 degree latitude. The earth is the best possible for all kinds of products of Spain—mighty plains and sandy heaths, smooth and wearysome and bare of wood. All the way the plains are as full of crooked-back oxen as the mountain Jerena in Spain is full of sheep." Of course, these were the buffalo but they showed that Kansas, especially Western and Central Kansas, were the natural habitat of grazing animals, and the most terrible mistake of man was in trying to make a grain country out of one that nature had prepared for cattle and sheep.

This mistake cannot be attributed to the State Board of Agriculture. Here is an extract from an early report of the board. "Our plains are the native land of the bovine race and they will continue to sustain it." That is what they should have been devoted to.

Prior to the Civil War cattle from the Texas plains were driven to New Orleans and Mobile, but the Texans wanted a better market. In 1867, that hardy and courageous old pioneer, W. K. McCoy, conceived the idea of driving the Texas longhorns up from the Lone Star state and loading them on the Union Pacific railroad which had pushed westward to Abilene. Then commenced the thrilling story of the first bad and colorful cattle town in Kansas.

Up from the plains of Texas, a thousand miles or more away, came 35,000 cattle that season, 75,000 the next, 350,000 the next, 300,000 the next, and 700,000 in the last year's drive to Abilene in 1871. Abilene became during those hectic years the wildest town in the West. It was there that the famous scout "Wild Bill" Hickok, garnered most of his fame as a frontier marshal. Some of the stories about him were true, some partly true and some the product of pure imagination.

The terminus of the trail shifted from time to time from Abilene to Ellsworth, to Wichita, to Newton and finally to Dodge City. Every town while it was the terminus was marked by wild carousal, by reckless shooting and often by bloodshed.

During the 15 years of the Texas drives 4,223,497 head of longhorned cattle were driven up to Kansas from the plains of the vast "Lone Star" state.

When railroads were built south of the Kansas line the drive to Dodge City ceased. But Western Kansas then became the greatest native-grass cattle country in the world. Cattlemen divided without warrant, of course, the lands of Western Kansas, Oklahoma and the Panhandle of Texas even as the barons of old parceled out their dominions, and were ready to defend with gun and pistol if necessary their established boundaries.

So long as the range was not crowded it was the most profitable business in the domain of agriculture. No winter feed was necessary. The owners divided their vast ranges into summer and winter pastures and the cattle lived fat thru the winter months on the ripened buffalo grass, gramma grass, salt grass and wild peavies, which grew luxuriantly on the vast ranges, thru which flowed the sweetest and most pleasing waters ever quaffed by horses, sheep or cattle.

It was too good to last. The ranges became overcrowded. There was no reserve pasture left for the winter and then came the awful winter of 1886, when out of the North came the howling blizzard lasting for weeks almost without cessation. It is no exaggeration to say that millions of cattle perished during that frightful winter and thousands of range cattlemen were ruined.

## Brother Dick's Farm Land Is Ruined

ED BLAIR  
Oak Hill, Kansas

**M**Y DAD he come here Mister, some years 'fore I was born  
He allus liked the prairie fer growin' wheat or corn,  
And pasture fer the cattle with limestone crop-pin' out  
Made this place more invitin' than any here about.  
Yep, I wur born here Mister, I'm now three score and ten  
My brother Dick's some older, fer he was born here when  
The Civil War wur closin' 'n' both us stayed with Dad  
So long as he wur livin' but Dick has made me sad.

Dad trained us frum our boy' ood to save the virgin soil,  
Be keerful in our plowin' 'n' let no gullies spoil 'N' let no sharpers skin us on some trick that wur new  
But keep the soil frum rovin' wot ever else we'd do!  
Dad left us boys his farm land, a section, here, apiece,  
Some fellers tried to buy mine, I wouldn't sell or lease.  
But Dick in spite o'warnin's frum Dad to save his soil  
Has got his farm plum rooint frum gushers spoutin' oil!

That ended the picturesque era of range cattle in Kansas. After that no range cattleman went into a winter without having at least some provision for winter feeding, but if men had been wise the cattle business in Western Kansas would then have entered upon a new and more profitable era. We would not have boasted of Kansas as the greatest wheat state in the world. The Western ranges would still be covered with the native grasses or with grasses just as well adapted to that country, and there would have been no dust stories to write about.

I could write a much longer story based on this pamphlet "Beef Cattle in Kansas," than I have space for. The pamphlet, if you are interested in the production of cattle, is a liberal education. It will give you the origin of every kind of beef cattle; it will tell you of their ills, of the best kinds of stock food, of the rich experience of men in the cattle business who have been successful because they were intelligent and loved it.

## We Are Good Forgetters

**A** CORRESPONDENT writes me a discouraging letter about weather conditions. There is nothing in his letter to which I can take exceptions. The present weather conditions are abominable. But so far as I can see, there is nothing that can be done about it. But hope springs eternal in the human breast and especially in the Kansas breast. If it were not for the glorious gift of hope this certainly would be a tough world. Of course, the weather conditions are not hopeless by any means. The whole aspect of the country may be completely changed before this is in type. And the people of Kansas are right good forgetters when it comes to trouble.

## Paid Off the Note

**I** HAVE your letter wherein you say that my statement relating to the Townsend plan is nonsense," writes A. L. Nethaway, of Florence, Nebr. "This proves," he continues "beyond any doubt you are hooked up with the Banking Oligarchy—Federal Reserve Banks. After November 3, you will be better posted on Townsends. We are going to carry the nation and a part of Europe."

Mr. Nethaway is misinformed. I was hooked up with the Federal Reserve Banking system, but am

unhooked at present. I managed to pay my note about 3 weeks ago.

I am neither a prophet nor the son of a prophet. I have guessed wrong on elections nearly as often as I have guessed right, so I am not at present making any predictions concerning the election next fall. I will say this, however, that unless the Townsend plan is decidedly modified it will not become a law, even if the Townsends elect a majority of the next Congress. In its present form it simply is impossible. However, it is one of the cherished privileges of a citizen of the United States to believe what he pleases, and I would not deprive him of that privilege.

## The Old-Fashioned Man

**I** DO NOT know whether I can be classed as an old-fashioned man according to H. L. Phillips of the New York Sun, but I think maybe I could make a pretty fair grade according to his standard. This is his picture of an old-fashioned man:

"He still thinks a man's home is his castle.  
"He wouldn't dream of opening another man's telegrams or rifling a letter.  
"He puts honor ahead of expediency.  
"He can't understand why a man shouldn't be as polite, decent and gentlemanly at the wheel of an auto as he is anywhere else.  
"He believes a debt is a debt.  
"He regards his name attached to an agreement as his definite commitment backed by his personal integrity.  
"The jokes of the average night club entertainer make him a little ill.  
"He still thinks thrift is basically a good idea.  
"He believes in platform pledges.  
"He thinks there is a difference between an oath of office and an old undershirt.  
"He thinks the old-fashioned saloon could compare favorably with the modern cocktail bar.  
"He believes in counting all his golf strokes, arriving at a correct total, and being gracious toward the ladies' twosome.  
"He believes that the framers of the Constitution were deep thinking men with the highest concern for the best interest of Americans.  
"He thinks there is something dishonorable about repudiation.  
"He still gets excited when he reads of anybody or any nation tearing up a treaty.  
"He thinks Germany lost the war.  
"He gets a little nervous at polite house-parties when he sees the host beginning to mix cocktails in a tub.  
"He reddens when a lady tells him a barroom joke.  
"He doesn't think there must be something wrong with any man who has built up a successful business and put aside some wealth.  
"Going on the 'town' always has struck him as the last resort, and he wouldn't let the state or government support him any longer than necessary.  
"He thinks that it is a little wrong to experiment unless the man making the experiments takes at least the same chance as the bystanders.  
"Once in a while when asked what he would do about a great and perplexing economic problem, he says, 'I dunno'."

## More or Less Modern Fables

**A** SNAKE that had a hankering for young birds and also for bird eggs, noticed a bluebird building its nest in the fork of a tree and said: "Why do you build your nest up there where the wind will get action on it? Don't you know that this tree is likely to be blown down by a cyclone or struck by lightning? Build your nest down here on the ground where it will be safe."

But the bluebird, who had lived all her life in Kansas and was onto the ways of the snakes replied: "If I hadn't seen you lunching at a meadow lark's nest yesterday, I might wonder why you take so much interest in my affairs."

An old dog that had been a champion rabbit chaser in his prime, was slumbering by the register which admitted the heat from the furnace. He was emitting short, wheezy barks; his limbs were twitching with excitement. He was dreaming that he again was young and was chasing rabbits. His owner watched the sleeping dog for awhile and remarked: "Well, old boy, you are like some 'has-beens' I know among men. You still imagine you are playing—, but it's only a dream."

Please notify us promptly of any change in address. No need to miss a single issue of Kansas Farmer. If you move, just drop a card, giving old and new addresses, to Circulation Department, Kansas Farmer, Topeka, Kan.



# Farm Matters as I See Them

## Better Rural Roads

SOMETHING I have been working for over a long period is going to come to pass. Kansas rural roads are to be better taken care of thru federal and state funds under the new highway act, due to be passed by the senate before adjournment.

The new measure is known as the Cartwright-Hayden Act, and carries in all \$220,000,000 a year of federal funds for highway purposes during the two fiscal years of 1938 and 1939.

Out of a total of five and one-quarter million dollars for Kansas each of these fiscal years, there will be set aside each year \$660,000 of federal aid for rural roads, including school bus routes. The state will have to match this amount, so in the two years at least \$2,650,000 will be expended upon rural roads. A separate section on rural roads will be established in the bureau of public roads.

In addition to the rural road funds, Kansas will draw each of the two years, \$3,315,000 of straight federal aid for work on the state highway system. This will have to be matched from state funds. Kansas also will draw \$1,310,000 of federal funds each of the two years for elimination of grade crossings; this grade crossing money will not have to be matched by the state.

I am very glad to see this definite amount set apart for rural roads. My only criticism is that the proportion for rural roads should be larger.

It might be of interest to note that for the three years ending next June 30—fiscal years of 1934, 1935 and 1936—Kansas has received \$28,764,846 of federal highway funds. This does not include some three million dollars of drouth and other relief funds that have gone into highway work in Kansas.

During that same three years the federal expenditures for highway construction work in the entire United States has been 594 million dollars.

## Funds for Flood Control

A NEW federal policy in regard to flood control is being considered in the senate.

In the past the policy has been for the federal government to pay construction costs for flood control. States or local districts were required to pay the land and damage costs incidental to flood control work.

Now it is proposed that the federal government bear the entire cost.

What that means to local communities will vary a lot, depending upon value of property in flood control districts.

For instance, the bill being considered calls for \$10,000,000 of flood control construction work at Kansas City. The land and damage costs in connection will amount to \$8,000,000. Under the present plan the two Kansas Cities at the

mouth of the Kaw would have to put up the \$8,000,000. Under the proposed plan, Uncle Sam will furnish the entire \$18,000,000.

The pending bill carries a total of 400 million dollars for flood control. Of that total about 39 million dollars is authorized for projects in which Kansas has a direct interest. Caddoa Dam, on the Arkansas river at Lamar, Colo., will insure irrigation water for the Arkansas river valley above Great Bend in Southwest Kansas. It will cost \$10,000,000.

Inside the borders of Kansas there are 25 flood control projects already approved. I am trying to get about a dozen more included; cannot guarantee the result, but am doing all in my power for them. The construction costs on these total \$4,900,000; land and damage costs are estimated at \$3,302,000. Under the proposed new policy the federal government will pay all of the \$3,302,000 as well as the \$4,900,000.

## Seed Money for All

OTHER members of Congress and myself from the Great Plains area have been having a hard time getting adequate provision for emergency crop loans to those farmers who have been compelled to go to the Rural Resettlement Administration for aid in the past few years. Under a budget ruling, any farmer who had received help from the Rural Resettlement Administration was barred from getting a seed loan from the Farm Credit Administration.

Under an agreement just worked out last week, farmers on rehabilitation status with the resettlement administration will be provided with necessary seed and feed thru that administration. Also farmers who have been getting the so-called subsistence aid from resettlement administration will be taken care of by resettlement administration.

Farmers who have received aid from resettlement, or have been on relief rolls, but are not carried now on the resettlement rolls for federal aid, are eligible for emergency crop loans from the farm credit administration. The amount to any one farm is limited to \$200; average loans are expected to be about \$100. Your county agent can get you started if you are in such shape that you cannot get seed and feed funds from any other source.

## An Important Job to Do

SINCE the beginning of farm control, we have heard much talk about "idle acres." The acres removed from surplus production. Or acres changed from soil-mining, to soil-holding and soil-improving crops.

These two words sound vicious when coupled with the thought of hungry people. Let us con-

tinue to call them "idle acres" for the time being. But examine them from the standpoint of careful farm planning. In truth they are not idle. In the Midwest, acres removed from growing surplus crops, which lose money for farmers, on the market and in soil fertility, are busy acres.

Some of them are being rested or fallowed to store up moisture for profitable future production. Others are being planted to soil-saving crops. This will prevent loose soil from blowing across more fertile land and wiping out growing crops. Field after field is being planted to crops that will build fertility. This is a sound investment which will yield returns in less costly production in seasons ahead.

Forgetting any immediate market advantages to be gained from careful farm planning, it would be decidedly worthwhile for the sake of future security. I can take you to farms that have lost 3 feet of top soil in the last 50 years. Can that ever be replaced? We protect the equipment with which we work in every possible way. How important it is to protect the farms that feed us!

Long before our Government took a hand in production control or soil conservation, thousands of farmers were doing these very jobs. They were planting soil-saving and soil-improving crops. Many were terracing to save their investments in good farm land. This program was thrown out of joint in the emergency of World War. Government help is justified in this new emergency to readjust that program.

Certainly these are not idle acres—they couldn't be. Left alone they would be worse than useless. Weeds would take them and scatter seeds to make farming other acres more difficult. Crop-destroying insects would harbor in weed-grown fields and take a higher toll in crops than the present estimated 2 billion dollars in damage every year. Not idle acres, seeded to grass and legumes. They will be doing the most important job that could be assigned to them—balancing present production and making the future of agriculture, and the entire country, more secure.

## Approve Summer Fallow

I HAVE been assured that Secretary Henry A. Wallace of Agriculture will issue a new regulation by which summer fallowing in Western Kansas will have the same status as planting to soil conserving crops, under the new soil conservation act. This ruling will make summer fallowed land subject to payments averaging \$10 or less an acre for farmers who participate in soil conservation. The order is expected to be signed before this is printed.

*Arthur Capper*

Washington, D. C.

# Fewer Cattle in Late Summer

## 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.	\$ 9.75	\$10.00	\$12.00
Hogs	10.55	10.50	8.80
Lambs	11.60	10.40	8.85
Heavy	.19	.19	.16½
Eggs, Firsts	.18½	.17	.22
Butterfat	.29	.29	.30
Wheat, Hard Winter	1.10	1.09	1.03½
Corn, Yellow	.67½	.65	.93½
Barley	.29½	.29	.54
Alfalfa, Baled	.46½	.48	.74
Prairie	24.00	14.00	19.00
	9.00	6.00	23.00

KANSAS has 30 per cent more cattle on feed now than a year ago, which compares closely with a 28 per cent increase in the country at large. Shipments of cattle from the Southwest for grazing purposes will be less than usual according to

the latest report of H. L. Collins, federal statistician for Kansas. Fairly good grass supply in the Southwest and late grass in the Flint Hills section of Kansas is responsible for the light movement of cattle this spring. In all probability most of the steer supply of the Southwest which is headed for market by the grass route will be sold this summer and fall, so Kansas cattlemen can't afford to disregard the supply feature.

Speaking of cattle on feed, the supply on April 1 this year was much the smallest in over 10 years, except for 1935. Shipments of stocker and feeder cattle, inspected at stockyard markets, into the Corn Belt from January to March, were about 14 per cent smaller than for the same time in 1935, and about 11 per cent below the last 5-year average. Reports from a large number of cattle feeders giving the months in which they expected to market their cattle that were on feed April 1 show the proportion to be sold before July 1 was considerably larger than the

number so reported to the Bureau of Agricultural Economics last year. All of these factors indicate somewhat lighter marketings for late summer this year.

## Push Lambs to Market

Lamb prices have been good news for sheep men, but a change is likely by the time the bulk of native Kansas lambs can get to market. If the present advance continues for another 3 or 4 weeks, the lamb market probably will be hard to hold. Thus, by the time most of our lambs are ready the top might be declining rapidly. This situation is due to the late spring in all sections except California and Arizona, which has retarded finishing of spring lambs and will bulk them in the June and July run. Probably the best plan for producers of early lambs is to creep feed them and get to town as soon as possible.

Hogs that are ready should go to market, believes Vance Rucker, Kansas State College. In the past it has paid to feed on into May only in years when business recovery has been more pronounced than it is now. The hog market has been unusually steady this spring, but a break is in sight. Good prices are expected by late summer.

Prospects for winter wheat in the United States are less favorable than a year ago, but in Kansas they are much better. A Kan-

## Market Barometer

Cattle—Supplies point to lower prices in May.

Hogs—Heavier runs and lower prices next month.

Lambs—May be strong until late May.

Wheat—Prices should hold up well.

Corn—Not much change except usual seasonal strength.

Butterfat—Low will probably be reached in June.

Eggs—Should level out soon and perhaps improve.

sas crop of 129,748,000 bushels was indicated by the April 1 condition of 66 per cent. The 1935 yield was only 59,887,000 bushels. Usual April rains would improve present winter wheat prospects in Kansas to a marked degree. Prices of old wheat are still around a dollar at terminal markets and crop news in general doesn't seem likely to depress the present level. From all appearances 1936 will be a year of fair prices for new wheat.



# Farm Program Is Not Really New

Soil Conservation Has Been Used for 60 Years

WHEN 3,000 farmers gathered at Dodge City and Topeka to hear George E. Farrell, director of the Western division of the new AAA, they heard also from H. Umberger, state director of the farm plan and dean of extension at Kansas State College. Umberger said the soil conservation act was not new except in cash payments. He told how the various agricultural divisions of the college had been fostering soil conservation for 60 years or more. The methods to be employed in the new act are basically the same as many Kansas farmers have followed for years. There is just one really new idea, Umberger indicated, the new farm program as it will be carried out in 1936, pays farmers for a greater part of the cost of beginning soil conservation. But the farmer gets the soil benefits too.

At the present time farmers should have a general understanding of the new farm plan and be able to decide what their steps in soil conservation must be and whether or not they are eligible for admittance this year. Community meetings for farmers began a week ago. Various rulings which affect Kansas have been slow in coming out. For instance farmers waited weeks for final official announcement that certain methods of fallowing would receive a soil conservation classification. However, this hasn't been particularly important because dry weather would have prevented action on farmers' part anyway.

## Any Farmer May Vote

Township committeemen under the new program will act as friendly neighbors, explaining the rules when necessary. Local county committees will act as referees and will have considerable power in deciding local questions. Any farmer may vote in the local elections regardless of whether he is able to take part in the program. It is expected a majority of farmers may take part and benefit by payments if they so desire.

Late freezes may have killed some oats and flax which can be replaced by soil-improving crops which will fit in with the program. Many acres of legumes and grasses undoubtedly have been planted which automatically made farmers eligible for the two payments.

Rules are constantly being cleared up in farmers' minds as questions come up which give practical examples. The least amount of land a farmer may transfer from soil-depleting crops to soil-conserving to qualify for the larger payment is 15 per cent. This also is the largest acreage on which he may draw the payment. So all soil-conserving payments will be on 15 per cent of the soil-depleting base.

If a farmer's soil-depleting base is so low he does not feel able to transfer more acres to soil conservation, he may make use of liming, tree-planting, terracing or similar approved practices to qualify for the payments which will help pay his expenses. Terracing is expected to draw a high acre-payment, compared to other crops or practices.

## How Payments Will Run

The soil-building payment, the smaller of the two, cannot exceed the total number of acres on the farm in soil-conserving and building crops, expressed in dollars. For example, if this total acreage happens to be 35, the soil-building payment cannot exceed \$35. The basis on which the payment is figured is by paying so much an acre for each acre up to the maximum limit planted to soil-building crops or devoted to soil-building practices in 1936. These payments may range upward to several dollars. There will be no soil-building payment for acres devoted to this use before 1936, according to the latest ruling of the new AAA.

Secretary Wallace believes the size of surpluses that farmers produce in the next year or so will largely determine the future of the farm program. While he offers no opinion on the extent of crop control that can be attained thru the new soil conservation program, he figures that if surpluses pile up farmers will demand a more direct control of crops.

If looks as if the carryover of wheat in July, 1937, will be 260 million bushels, so Secretary Wallace foresees a drop in price to below the world price

at Liverpool. His forecast is based on intentions to plant in which the secretary foresaw a crop of more than 750 million bushels. But he sees some hope of the situation being relieved by the new program:

"It is conceivable that this program of soil conservation will bring about sufficient co-operation so we might feel safe with stabilization operations."

Apparently he had in mind stabilization buying by the government to remove excess crops from the market so as to raise the prices. You will remember such an experiment was tried by the old farm board. But the secretary is definitely opposed to such buying operations without some form of production control.

## Capper Asks Crop Loans

WHILE farmers who are on Resettlement aid, but need extra money for buying spring seed, hope for an agreement which will make them eligible for Farm Credit Administration loans, Kansas congressmen in Washington are busy trying to make this possible. A group of senators, including Capper and McGill of Kansas, are insisting that the President compel the resettlement and farm credit heads to get together and make loans. An agreement was expected by April 20 after which loans would be forthcoming.

## Light Work First Year

F. W. BELL

MOST young horses big enough to work will be in harness this spring because of the scarcity of work horses. Two and 3-year-old horses that are well developed for their ages can be put to work, but should not be worked too hard the first year. More liberal grain feeding than otherwise would be in order is necessary so these young horses can maintain normal growth.

# Wire Cages Prevent Roof Fires

GEORGE F. JORDAN



One way to almost completely stop shingle-roof fires caused by sparks. This spark arrestor holds pieces of soot back or breaks them up so the fire dies out of them and they are harmless.

IF YOU drive thru a farming community and see what appear to be neat little bird cages atop the chimneys, you probably will know they are spark arrestors. In Illinois and Indiana, local mutual insurance companies tried to induce their farmer customers to buy these spark traps at low cost and put them on their chimneys but the farmers wouldn't. Then the insurance companies saw that it would be good business to install the arrestors free—which they did.

One county mutual secretary in Indiana said the year previous to installing the arrestors, his company had

fire losses from sparks on roofs of \$16,000. After the arrestors were put on this loss dropped to \$2.60 the next year. That saving of \$15,997.40 was reflected in lower assessments on the policy holders, and it saved many homes, no doubt.

The spark arrestors, mutual companies found, did not absolutely prevent sparks flying, but it held them back until the fire died out, or broke up the pieces of soot so the fire in them died out before touching shingles or dry leaves in the eaves-spout. Farmers could play safe by placing these low-cost arrestors on their chimneys,

# Seed Corn at \$140 a Bushel

ABOUT 20 years ago," relates O. J. Olson, Brown county farmer, "I purchased 1/2 bushel of seed corn from an Iowa salesman and planted it by the side of an adapted local variety. The planting date and all other conditions were the same. When I weighed up the yield I found the 1/2 bushel of Iowa seed cost me \$70." At that rate it would be \$140 a bushel.

The reason was because the yield was so much lower than the adapted seed. The same sort of thing could happen to farmers this year who try to use seed from other states. No matter how fancy the seed, if it isn't adapted to local conditions it will not work. E. A. Cleavinger, crops specialist, recommends getting seed thru a state corn seed list which can be found in county agent's offices, if suitable seed can't be found in the neighboring community.

# Thousands Attend Angus Day

JOHN A. BIRD

KANSAS stockmen are deeply interested in quality cattle. More than 3,000 farm people, including 611 4-H club members and vocational high school students attended the "Better Livestock" day at J. B. Hollinger's farm near Chapman on April 16. Here they took part in judging purebred Aberdeen-Angus cattle from three of the leading herds in the state, and heard a program which stressed livestock improvement as a means of a better balanced farm program. Governor Alf Landon attended the show, studied the cattle and made an informal talk to admiring listeners.

"Better Livestock" day is an all-farmer sponsored event, and was started 11 years ago by a group of 12 breeders of Aberdeen-Angus cattle whose farms lie in or near the Smoky Hill valley in Geary and Dickinson counties. They organized their Geary-Dickinson County Aberdeen Angus Breeders association as a co-operative venture to promote interest both in better livestock and in their particular breed.

Ten classes of livestock were in the corrals awaiting the livestock judging teams when they arrived in the morning at "Wheatlands," the Hollinger farm. During the afternoon program, the large crowd sat on plank bleachers and heard Dr. C. W. McCampbell, head of the animal husbandry department of Kansas State College, describe the advantages and profit of a balanced farm program for Kansas. The essentials of such a program, he said, are adapted crops, emphasis on production of feed crops and straw, and feeding of quality cattle. He said the common mistake was "retrenching in livestock quality instead of livestock quantity" during the depression and drouth years, and this has been a set-back to Kansas livestock production. Farmers must realize that one calf crop will not only pay the difference between a poor and a good bull, but puts the farmer on the road to long-time improvement.

More than 75 per cent of the cattle shipped out at reduced rates during the drouth have been returned, believes E. W. Gibson, livestock agent of the Union Pacific railroad, who attended the event with William H. Guild, general superintendent of the railroad.

## Highlights of Angus Breeders

A. J. "Andy" Schuler, Chapman, president of the association, exhibited 19 head of his stock. He sells about half of his cattle for breeding purposes, many to 4-H club boys and girls.

Ralph Munson, Junction City, just sold 2 carloads of fat stock in Kansas City which topped the market at \$9.25 on April 15. He said many of the Angus herds in his community were started by men who passed their work onto their sons. This was the case, with Ralph and his brother, Gaylord. Their father started breeding quality in the early 1920's and was prominent in that work until his death in 1934.

T. F. Mullins, Junction City, won second with his carload of creep fed calves at the American Royal in 1932. He took third with another carload in 1933, in competition with 235 other herds, and was declared champion beef producer of Kansas.

J. B. Hollinger, vice president of the association, has been showing cattle for 11 years, and has built up a show herd that pays its way in prizes. He doesn't keep a record of his winnings, since the "novelty wore off." He runs a herd of about 300, and makes the show circuit each year with 10 to 16 prize animals.

## Half Million for Listing

INCLUDING the \$300,000 already sent to Kansas, a total of \$500,000 of Federal funds will be available for strip listing and other wind-blown prevention methods in Kansas this year. Dr. C. W. Warburton, extension service director of the department of agriculture, informed Senator Capper that this half-million will be "a" that Kansas can expect. Congress appropriated \$2,000,000 for the wind-blown area of Colorado, Oklahoma, Texas, New Mexico and Kansas. A fourth of this amount was given to Kansas.

Many men have 15 or 20 dairy cows worth \$1,000 to \$1,500, representing half their herd, and breed all their cows to a \$25 bull representing the other half. Strange but true.—E. G. Bennett.



# John Deere Combines Are Quality Built to Save the Grain



## Read What This User Says!

Gentlemen:

Last year, I purchased a 16-foot John Deere No. 17 Combine with which I harvested 498 acres of wheat and 14 acres of oats.

This machine operated even beyond my expectations. I believe that there is no machine built with the capacity to handle grain, even in the most severe conditions, that will compare with this new John Deere.

To give you an idea of capacity, I cut, without a stop, the 14 acres of oats which were flat down on the ground, and which averaged 70 bushels per acre. There was a tremendous amount of straw to handle. One other make of machine had tried to cut this field but had failed.

For the past few years, I have operated one of the popular makes of combines, which is equipped with an auger platform. From experience, I positively know that it would have been impossible to operate an auger-type of machine in this field and do as satisfactory work.

The service this machine gave me the first year has more than paid me back what little difference there was in price between this machine and those of lower price.

Yours truly,  
Fletcher Newport,  
Cheney, Kansas.



**E**ACH year, more and more grain growers are cashing in on the better all-around performance of John Deere Combines. They realize that John Deere Combines offer more dollar for dollar value—that they are *quality built* to save the grain at lower cost.

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You, too, want the satisfaction that results from owning a money - saving, grain - saving John Deere Combine. You want its extra capacity for clean cutting, clean threshing, complete separation and thorough cleaning—its ability to handle the heaviest crop without overloading or placing undue strain on any part—its genuine field dependability down through the years.

Extreme simplicity and ease of operation; easy adaptability for successful combining of all small grains, soy beans, peas, clovers and other seed crops; light, balanced draft; unusual flexibility for saving the grain in difficult field conditions; strong, long-lived construction throughout; low upkeep costs—these are but a few of the outstanding advantages you get in a John Deere Combine.

### Three Modern Combines

There's a John Deere Combine in the size best suited to your acreage—the No. 7, 8-foot combine; the No. 5-A, 10- or 12-foot combine, and the No. 17, 12- or 16-foot combine.

Plan to own a John Deere Combine before the next harvest season begins. Your John Deere Dealer will be glad to give you full information on the complete line of money-making John Deere Combines. Be sure to mail the coupon on the right.

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## Extra Cutting of Alfalfa

G. R. HOWARD

IRRIGATION made cantaloupes the most profitable crop in 1934 for Stants brothers, Dickinson county. They have a 44-foot well, 5 feet in diameter, at the south edge of their farm, about a mile from the Smoky Hill river. A vertical centrifugal pump, powered by an old automobile motor, lifts the water. Cantaloupes and watermelons were watered and did well. After the plant was finished late in July, so it would supply enough water, they irrigated alfalfa and Kansas Orange sorghum. Alfalfa made rapid growth and produced one more cutting than similar land which was not covered with water. Much of the Kansas Orange shot up more than 12 feet high. Stants brothers believe they could have had better crops if they had been able to irrigate earlier in the season, as timeliness is important. Farmers who have been most successful with private irrigation plants, start pumping at regular intervals, without waiting for rain.

Irrigation is simple now, compared to the days when tractors were a new thing. Frank Wood, Great Bend, has found. He started irrigating from Walnut creek years ago. A good many acres of feed crops were irrigated on his farm last summer, but lack of water cut the work short. A well usually is more satisfactory for water supply than an open stream, altho it is more expensive. Irrigation from Walnut creek, north of Great Bend, is quite satisfactory, because the land drains away from the stream and provides perfect flow, without much ditching.

### Will Grow Beans Again

SOYBEANS planted with a lister in shallow furrows, twice as thick as for corn, produced well on upland for Leo Paulsen, Concordia, last year. Kansas Farmer bought 1,000 pounds of Mr. Paulsen's 1935 crop for 10 trial fields this year. When the beans were sacked for shipment this spring, Mr. Paulsen said he planned to put out 16 acres of beans for 1936. He handles the ground about the same as for corn, disking it before planting and then weeding after the beans are up. Blank-listing is a good practice.

### To Prove Seed Treatment

FOUR plots of barley were put out this spring by Clyde Ernst, Rice county. He is co-operating with the county Farm Bureau to demonstrate the value of smut treatment. The seed came from a field that was heavily infested with smut. One plot is from seed not cleaned or treated; one from seed cleaned but not treated; another treated but not cleaned; and the fourth was both cleaned and treated. The results will be published in Kansas Farmer after harvest and farmers will get a chance to observe the growing fields.

### Stand Was Thick Enough

WE ARE finding it pays to seed sorghums lighter. Ed Riffel, Rooks county, had been in the habit of planting at least 5 pounds of seed to the acre. Last year by mistake, 100 pounds were planted on 45 acres, and the stand proved thick enough. The germination was good. Sometimes 2 pounds of kafir or milo seed to the acre isn't enough, but if nearly every seed grows it is plenty. Usually not more than half the seeds dropped in the ground really grow, tests have shown.

### What Corn Did in Linn

CORN variety tests conducted by the Linn County Farm Bureau, in co-operation with William Hyson, showed Harmon was the high yielding white corn, with 27.5 bushels an acre. An Anderson county strain of Midland Yellow dent was the high yielding yellow corn with 27.3 bushels. Other variety yields were, Blue and White, 27.5; Pride of Saline, 26.6; Midland, 20.7; and 2 unnamed varieties 22.5 and 24.1. Pride of Saline has produced the highest average yield for the 8 years variety tests have been run. Blue and White is a local strain, of consistent high yield. Midland always has been the highest yielding yellow corn, with the Anderson county strain first. Har-

mon White is a little earlier than Pride of Saline which is an advantage in a year like 1935. County Agent Daly pointed out. The Anderson Midland was the best quality corn.

### Row Crops on Contour

MORE folks are interested in planting row crops on the contour. In Osborne county, Wayne Ewing, county agent, has been busy running contours to show how it is done. Farmers can then lay out lister lines on their own farms. Charles White and Julian Schloh, Natoma, are two farmers who helped hold demonstrations and who will plant fields on contour levels this year.

### Future for Sheep Breeders

R. F. COX

HANDLING a purebred sheep flock differs considerably from raising market lambs, because the prime object with the latter is to get them on the market before hot weather and while the price is likely to be strong. The ewe lambs in many flocks are sold off with the wethers, and young western ewes are bought for replacements in the flock. But in purebred flocks all the desirable young ewes are kept for sale or replacements in the flock. Good summer pasture has to be provided for the lambs. The owner has to take precautions against stomach worms which come on in summer, and also against hot weather. Shearing the lambs in June is a great help, and will bring

them thru in much better condition. This generally will not pay as far as the wool is concerned, but the increased growth is worth all the trouble.

Careful record keeping is important at lambing time and on thru the suckling period. It is impossible for any livestock record association to have more accuracy than its individual members show. Purebred lambs need to be creep-fed and forced the same

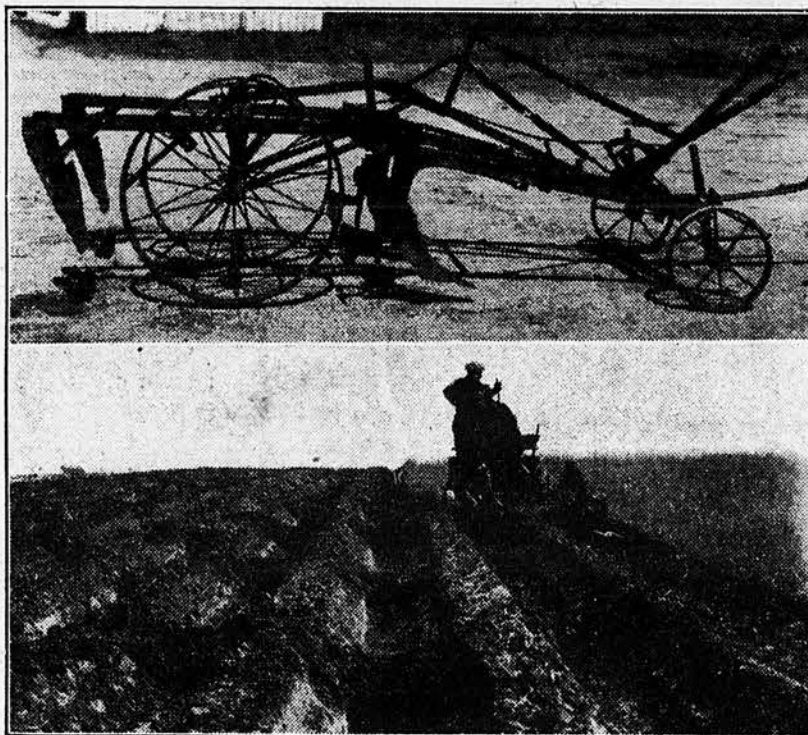
as market lambs. However, they may be fed a bit more of a growing feed and not so much fattening grain. No attempt need be made to wean them early, as long as the ewes are doing well. The lambs will respond to even a small amount of milk, and this may be a help in holding down the ewes' flesh for the following fall breeding season.

Breeders find it generally is not satisfactory to sell breeding stock as lambs. Many sheepmen use them too heavy, get poor results, and then adjustments are necessary, or a customer is lost. Despite extra work the sheep breeding business is promising. We need more good ewes and rams.

## Show Basin-Lister at Round-Up

Makes Dams Every 10 Feet in Furrows to Hold Water

TUDOR CHARLES



Upper, basin-lister as it is made from an ordinary 2-row lister. The damming attachment folds up and over for loading. Lower, demonstrating the machine on a Barton county farm, for the benefit of local folks.

A BASIN-LISTER, which dams the blank furrows every 10 feet and prevents water from running along the furrows, has been perfected by L. C. Aicher, Hays Experiment Station, and Mr. Kennedy, his efficient shop workman. This type of machine has been in use for a couple of years and a number of farmers and inventors have worked out certain styles of the basin-lister. The one now used at Hays seemed to be fool-proof. Instead of the drags which pull up the earth in the furrow being released by spring action, they are raised by a roller on the wheel. This makes positive action every 10 feet regardless of variations in the soil. Three subsoilers on Aicher's lister insure plenty of loose soil behind each lister.

The Hays Experiment Station has three of these 2-row basin-listers. They

are easily loaded on a 2-wheel trailer and hauled on the road. Mr. Aicher and Mr. Kennedy have been making demonstrations in all parts of Western Kansas. A few of the points they have visited are Comanche, Barton, Russell, Smith and Thomas counties. The 3 listers will be hooked into a 6-row outfit and used on the Hays experimental fields on the morning of April 25, when farmers gather for the Cattlemen's Round-up.

The principal of the basin-lister is to hold rainfall on the fields right where it falls. If the rows are contoured, an extremely heavy rain will be held on sloping land without loss by run-off.

Mr. Aicher hopes to interest machinery companies in making these basin-listers. None of the equipment developed at Hays Experiment Station is protected by patent.

## Locate Four Wheat Grass Trials

SEVERAL of Kansas Farmer's Crested wheat grass plots have been definitely located and farmers who are doing the planting are ready to follow the small fields until next September. In Ottawa county, Clark Heald, who lives 5 miles north of Wells, is following for a co-operative seeding. He has been interested in Crested wheat for some time. County Agent Evans believes the grass may be of particular benefit to farmers in the type of farming area where Mr. Heald lives.

C. E. Newcomer, who lives 8 miles north of Russell, is following a patch of Paradise creek bottom which he will plant to Crested wheat. This plot is along highway No. 8, and will be convenient for farmers to watch. There are many farmers in Russell county who are interested in obtaining new varieties of grass which will be successful on their farms.

While Crested wheat grass is not recommended as far west and south as Ness county, Kansas Farmer is putting a plot there for the purpose of studying its reaction to the climate. W. V. Stutz, Utica, will plant an acre of Crested wheat on a favored piece of bottom land where alfalfa has grown successfully for many years. From this area he will be able to obtain seed and experiment further with the grass. It is hoped adapted strains of Crested wheat may be selected for Western and Southern counties in Kansas as time goes on.

Another field of Crested wheat grass will be seeded on fallow land by B. D. Lofgreen, on the state line, 11 miles north and one west of Norton. This also is a co-operative trial with Kansas Farmer.

### A Quick Catch-Crop

PROSO millet or hershey is a quick catch-crop, but seldom is superior to early-maturing sorghums in Kansas, believes L. C. Aicher, Hays. Of course, there are times when Proso may be sown in late June or early July and mature in less than 75 days. It takes a quick growing sorghum to beat this. Feterita and Freed sorgo both are early maturing varieties which may be grown primarily for grain. It may be best to use them for June planting. But if a July grain catch crop is needed, don't forget Proso in Western and Northern Kansas.

### Clean Up Growing Wheat

THE only way to clean up wheat seed that has rye or other varieties of wheat in it is to "rogue" them from the standing grain. This can be done as soon as the heads form fully enough so they can be picked out by sight. Rye usually ripens early and stands above the wheat so that it can be seen across a field. Stray varieties of wheat usually are more difficult to find. They can best be removed from small areas of good wheat, so wheat from such patches may be saved for seed.

### Help for the Corn Crop

SEED corn treatment before planting is valuable, especially if the weather is wet and cold. Treated seed in this case will give better germination. This year with low germinating seed corn being used on many farms, it is important that every live kernel grow into a husky plant. Seed can be treated with New Improved "Semesan Jr." This is a commercial product which can be bought at drug or seed stores.

### Fighting Bindweed Right

IF AN Osage county property owner wishes to spray for bindweed, all he need do is to pay for the spray. The county provides a power sprayer and a man to run it. Every Kansas county, if not every township, might well make fighting bindweed as convenient.

The college agronomists, L. W. Wiloughby and E. A. Clevinger, say bindweed has put 122,800 acres out of production in Kansas.



## Cold Didn't Kill All Fruit

Plenty of Insects Came Thru So There's a Battle on Hand

JAMES SENTER BRAZELTON  
Echo Glen Farm, Doniphan County

**M**OST of our fruit came thru winter in much better condition than we had hoped could be possible. It seems also that insects survived the severe cold in greater numbers than we had anticipated. At this, however, we should not be surprised, for after all there is little difference between plants and insects. Protoplasmic cell structure of plants is very similar to the protoplasm in the cells of animals. Extremes of temperature have a like effect on both. In fact, far down the scale there is an organism whose plant-like properties cause it to be classified as a plant in the botany textbooks. At the same time it exhibits so many animal characteristics that the zoologists class it as an animal. It is a tiny individual that bridges the gap between the animal kingdom and the realm of plants. Volvox is its name.

### Our Biggest Spray Problem

The frequent spray injury that we get on our trees is easily accounted for when we remember that the diseases that we are trying to control are parasitic plants. One should not be surprised that a spray material caustic enough to kill these fungi very likely would be injurious also to the host plant on which they grow. To get a spray that will put one form of life out of business and be harmless to another form is a big problem for the orchardist to solve.

### More Bees at Blooming Time

Each year more and more attention is given to the matter of placing bees in the orchards at blooming time. If we could be assured of a whole week of bright, warm days while the blossoms are out we would not have to be concerned about pollination. But usually we have a rainy spell at this time, often with not more than a few hours ideal enough for the bees to work. It is at such times as this that a plentiful supply of bees is necessary. For the control of scab, spraying during full bloom now is advocated, if the weather is cold and cloudy. This presents another problem. The spray hitting the bees under high pressure would kill many of them and, should arsenate of lead be an added ingredient, many would be poisoned.

### Codling Moth as a Host

Many moths and butterflies are held in check and prevented from inheriting the earth by other insects which are parasitic upon them. With some insects the parasite lives upon the adult; in other cases the larvae is the host; while in still others the parasite feeds upon the eggs. It recently has been discovered that the parasites of certain other insects are not averse to using the codling moth as a host. Chief among these is the parasite of the corn ear worm which happens to be an egg parasite. Insect control by means of parasites is not new, although the adaptation of the idea to codling moth control is comparatively recent. Since the method is successful in the case of certain other insect pests it is reasonable to hope that it would work with the codling moth. At any rate the United States Bureau of Entomology and Plant Quarantine, co-operating with the Idaho Experiment Station, intends to find out what can be done about it. Their experiments this summer will be conducted in an isolated 5-acre orchard near Parma, Idaho.

### Strawberries From 800 Acres

In the vicinity of Wathena it is estimated strawberries will be picked from 800 acres this year as compared with 600 acres in production last year. Although small fruits are not grown so extensively around Troy, the strawberry acreage is said to exceed that of last year by 100 acres. Plants are in good condition and a normal yield is expected despite the severe winter. The Wathena growers expect to ship about 100 cars which is twice as many as they shipped a year ago. Strawberry picking is expected to start here about

May 26. In Missouri, the production outlook was reported heavier than last year, but severe low temperatures experienced the first of this month have considerably reduced the estimate. This same freeze reduced the prospects for an unusually large crop in Arkansas. These two places are our most serious competitors, so their misfortune is our gain.

### Use Stock Dip on Berries

As a protection against leaf roller, strawberry patches should be sprayed very soon now with arsenate of lead. In Michigan, many strawberry growers are using Rawleigh's D & D stock dip

and find it highly satisfactory in the control of this insect. For this purpose it is used at the rate of about 2 quarts to 100 gallons of water. We shall try some of this dip in an experimental way at Echo Glen Farm this year. Premier or Howard is the most popular strawberry variety grown in this section, altho Paul Jones is an old stand-by. Blakemore is quite extensively planted and a good many growers are trying out Dorset and Fairfax in a small way.

### Winter Finished These Patches

Growers who are fortunate enough to have any raspberries or blackberries this summer should make some money, for the hard winter has ruined many patches as far as this year's production is concerned. All blackberries and raspberries on this farm were killed and they now have been mowed off with a scythe just above the ground. Older, more experienced raspberry men tell me I should have plowed the patches as they will never thrive.

Normally the setting of new strawberry patches would be in progress

### Silage From the Shock

**A** FIELD ensilage harvester may be used to make silage from the shock. William Pechanec, Timken, was busy this spring cutting up fodder from his shocked sorghum and blowing it into a truck for hauling to the livestock. It's an idea worth using the year around.

now, but owing to the dry weather this work is almost at a stand-still. It is estimated that more than a million plants have been ordered for setting this spring. A few growers were able to get some plants set early but many of these have died from lack of moisture and will have to be reset. Most of the plants used here come from a grower in New Jersey. There the grower reports it is too wet to dig. Here it is too dry to set. Most of the plants arriving now are healed in and watered daily in the hope of rain.



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# Abuse of Redemption Law by Few Penalizes Everybody Else

HENRY HATCH  
Jayhawker Farm, Gridley, Kansas

**O**VERDOING is a very large word. It can and does reach out thru all our life. Those from other lands say we of the U. S. A. are especially gifted with a talent for overdoing everything we undertake. We do this, they say, in our admiration for our public heroes, in war times or peace. Now, there are those who feel certain we are overdoing the creation of our public debt, building the greatest depression ever known for the future when the pay day comes, as come it must. In many other ways have we been overdoing, going so far in our efforts to apparently "do the right thing" that we sometimes defeat the very object we wish to accomplish. An example is the 18 months redemption given under the Kansas law to all whose farms are being foreclosed by a mortgage holder. Do not misunderstand me. I do believe the honest persons who actually are trying should be given all the chance possible to hold their homes, and mortgage owners generally are disposed to give this chance, even until they sacrifice by doing so. But because of abuse by a few, here

is how the Kansas plan of giving 18 months redemption, which amounts to that many months of free possession of the property, is working in actual practice: capital is staying out of the state insofar as farm loans are concerned; those within the state who have money to lend are investing elsewhere, or in some other form of investment. As farm loans come due, because of this possible loss of income for a period of at least 18 months, many are refusing to relend. This leaves the Federal Farm Loan System almost an undisputed field in Kansas. They are doing a wonderful job of handling the farm loan business, under the present setup. But there are some who wonder whether they can be as flexible in dealing with individual cases as have been private loan makers and what we term the old line loan companies. Those who fear it may be otherwise, call attention to the fact that when dealing with Uncle Sam all must be treated alike, and that there can be no temporary stays of payment, privately agreed to, as has so often been the case in times past when the individual loan owner

discusses in person any temporary inability to pay interest with an unfortunate farmer.

The abuse of the 18 months redemption allowed by the Kansas law seems to have been chronic with a certain class, according to agents for loan companies. It is the plan of these chronic abusers, they say, to buy for as small a first payment as possible a "shoe-string" on a farm, then they "set tight" as long as the law allows, paying neither taxes nor interest; when finally evicted by law, they hop to another farm, if possible, repeating the same "free ride." Too bad we must have this class who make a boomerang out of a law intended to actually help those who may be unfortunate for a few months, from an unreasonable foreclosure. It must be admitted there are those who are ready to take an undue advantage, both as borrowers and lenders, and when such is done by either it results in a hardship to all who are trying to be honest. The hitchhiker who would hold you up if you let him ride has resulted in the universal refusal of rides to all, no matter how worthy of the life. So is capital shying away from the Kansas farm loans because of those who abuse the privilege of the 18 months' free ride.

## Two More Records Broken

It seems that each year just has to break a record of some kind. The last

## New Use for a Weeder

**A** SPRING-TOOTH cultivator or harrow is used to tend row crops in the western part of the state. Taylor Jones, Garden City, said he has found it satisfactory for this purpose, and thus another tillage tool finds a new use. By using the summer-fallowing weeder to tend row crops, Western farmers are better able to buy such tools.

few months have broken two, one for the most number of days of continuous zero temperature and for greatest number of continuous days without a fall of measurable moisture. This lack of moisture still is with us, altho it is hoped the "jinx" will be broken before this is in print. Already, it has been 5 months since water has run from the house roof into our cistern, and most cisterns hereabouts are being supplied by water hauled to them. It is the longest period without a roof-washing rain in the 40 years spent on this farm. Starting with a surplus last November, we have seen moisture slowly get away from us until now the soil needs a thorough soaking. Wheat and oats are making slow growth and grass in the pastures even slower. This is another severe jolt on the pastures, as the grass needed the very best that both nature and man could give it to recover from the set-back of the last two unfavorable seasons.

## We Pasture too Early

If you wished to kill out the grass sod in your pastures, how would you go about doing so? I am afraid some of us would have to answer, "Just about what I now am doing." With a cow, horse or sheep there to bite off the growth as it is made, the wonder is grass has the hardiness to survive. Then, as the drouth of July and August comes along, sometimes withering not only the top growth but reaching down into the roots, it often receives its second jolt in the same year. As the drouth continues, so does the biting off by the stock of the scanty growth, and when the first freezes of another winter arrive the surface appearance of the pasture, so far as grass growth is concerned, suggests the baldness of the billiard ball. Soon weeds, untouched by stock, enter the race for possession of the soil, with everything in their favor, and wonder again is that they do not gain a complete victory sooner than they do. A shortage of feed is causing many of us to repeat the usual first crime of the season against our pastures—too early pasturing.

## Worth as Much for Feed

With the outlook for the season's prairie hay crop anything but promising at this time, there never has been a time when No. 2 prairie sold in the bale for less than now. Some deals have been made for as low as \$4 and \$4.50, and I did hear of one neighbor buying a few tons for \$3.50. These prices just about pay the labor of mowing, raking, bucking and baling, leaving nothing for the grass or barn storage. With such returns, what inducement is there to continue the land in grass? But to plow it would be to destroy it forever and to bring into production a type of soil averaging below that already under cultivation, since on most farms that left to grow prairie hay usually is the poorest soil on the farm. About once in each decade, as in 1934, along comes a year when prairie hay returns the most to the acre of anything on the farm. But for a continuous cash crop its possibilities passed out shortly after the exit of the livery stable and the army of horses that once moved the wheels of transportation of the cities. For farm feeding, however, prairie hay is worth the same as always.

## A Quick Catch-Crop

**I**F FLOODS or wet weather prevent planting spring crops on bottom land, Hershey or hog millet might be worth trying. It isn't recommended for any but extreme Northwestern Kansas, except in case of late catch-crops, for wet soil. H. C. Sweet, Stockton, planted Hershey in July last summer and raised a heavy crop of the grain which he cut with a binder. It makes good hog feed.

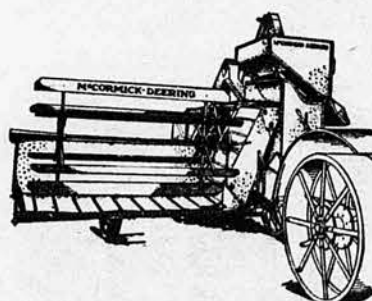
# International Harvester Announces Two New Combines



## No. 31-T... a new 12-foot machine climaxing 20 years of successful combine manufacture.

The McCormick-Deering No. 31-T—shown above—is a sturdy 12-foot machine containing the most advanced ideas in combine construction. From the big 27-inch threshing cylinder to the 4-section, roller-bearing straw rack and triple cleaning system, the No. 31-T is designed to handle a large volume of grain with maximum efficiency. The various units are so arranged that the grain and straw proceed through the machine in the most direct route. Operating parts run freely and smoothly on 90 ball and roller bearings. A modern 6-cylinder engine supplies ample power for all requirements.

The No. 31-T is available with equipment for



McCormick-Deering No. 22—shown at the left—is available equipped for either power take-off or engine operation.

all crops. Special changes for soybean harvesting can be installed quickly and easily.

## No. 22... a full-size, 8-foot combine built to do a real threshing job.

For the grain grower with limited acreage, the new No. 22 meets a long-felt need. It successfully threshes all staple grains, soybeans, peas, Lespedeza, sorghum grains, and a variety of special crops.

Though comparatively light in weight, the No. 22 is sturdily constructed... a real combine in every respect. It is easy to operate and requires no hair-trigger adjustments to do good work.

The McCormick-Deering No. 22 Harvester-Thresher is sound in principle, durable in construction, and capable of doing good work even when crop conditions are far from ideal. If you have a minimum of 50 acres of grain or seed crops to harvest each season, it will pay you to investigate this convenient, economical, low-cost combine. Ask your nearby McCormick-Deering dealer for complete information on these new McCormick-Deering Harvester-Threshers. Or write to us for details.

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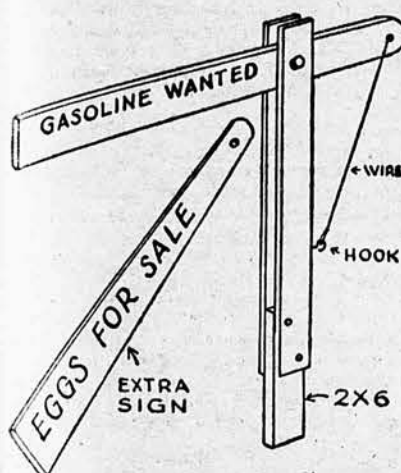
**McCORMICK-DEERING Harvester-Threshers**  
8, 12, and 16-foot cut



# Ideas That May Come in Handy

BY FARM FOLKS

## Useful Farm Semaphore



SOME stormy day a couple of hours can be spent profitably making a semaphore like the one shown here. Mount it on a piece of 2 by 6 driven into the ground. For the supports, 2 boards are bolted to the 2 by 6. The pivot bolt at the top is removable so the sign may be changed. All parts should be painted before assembling. Main use of the semaphore is to let the gasoline truck driver know when fuel is needed. When the farmer wishes his barrels filled he hooks the wire ring on the hook so the semaphore is held out at right angles to the supports. At other times the board hangs down between its two supports.—Wayne Taylor.

## A Wire Cuts Cornstalks

A QUICK way to cut cornstalks on wheat, is to use a barb wire 20 rods long, tied on an automobile with one end of the wire staked down. Drive around in circles. On level ground this method cuts 40 acres in about 2½ hours.—B. B.

## Straw Didn't Wash Out

IN A RECENT Kansas Farmer one man stated straw did not make a good hollow filler as it did not stay put. I have found that if straw is applied correctly, it is a good filler. It is not necessary to use brush or drive stakes. Four years ago I had a deep slope covered with deep ditches. I

filled the ditches with straw and tramped them in, plowed up and down the hill to fill them, furrowed out and planted corn. Today there are no ditches on this slope.—Don Mullins.

## Handy Place for Records

TO KEEP breeder's records in the barn, take a window pane and make a frame around it with hinges at the top. I have my breeding-record sheet under the glass which protects it from dirt and flies. At a glance, I can see dates my cows are to freshen and my sows are to farrow.—A. S.

## Oil on Fighting Hogs

WHEN I have two bunches of strange hogs to put together, I prevent their fighting by smearing a little used oil on all of them with an old brush. The oil destroys the odors so the hogs are not able to tell the groups apart. The used oil also is good for destroying hog lice.—R. W.

## Easy to Remove Carbon

WHEN installing new piston rings in the car, truck or tractor, one finds it quite a task to get the hard carbon cleaned out of the ring grooves. I put two or three old blades in my hacksaw at one time, and then run this in the grooves and find that it loosens up all hard carbon. This leaves the grooves clean so the new rings are easily installed. Makes an easy job out of a hard one.—R. W. Taylor.

## Removing Rust From Tools

A SOLUTION of ammonium citrate will remove rust from tools. Ammonium citrate may be obtained from virtually any drug store. By using this solution warm, the rust will be removed in 1 or 2 hours, but if solution is cold it is best to allow the tools to remain in the liquid overnight. A tablespoon of the ammonium citrate crystals may be used to 1 pint of water. The solution will serve repeatedly.—B. H. Youngs, Linn Co.

## Cleaning Bed Springs

DAMPEN a small dish mop with warm water to clean the coils of bed springs. This is much easier than using a cloth. A mop should be kept for this purpose.—Mrs. F. W.

## Until Dinner Is Ready—

ONE of the first men near Harper to have an electrified fence is Amra Hostetler. His wire fence, charged lightly, gives obstreperous livestock a shock and they are inclined to shy clear of the fence thereafter, he reports.

Someone is trying to determine what is the oldest joke in the world. We don't know, remarks the Atlanta Journal, but "elect me and I'll reduce taxes" dates a long way back.

Annual crops, such as corn, sorghum, castor beans, cannas and tame sunflowers, will provide wind protection for the garden plot. These crops are especially adapted to the tenant farmer.

Another indication of the advancement of true art, says the Fond du Lac Commonwealth, is the fact that we discarded the phonograph and records in favor of tuning in on the radio to listen to a recorded musical program.

The 12th annual session of the American Institute of Co-operation will be held June 15 to 19, at the University of Illinois, Urbana, it is announced by Charles W. Holman, secretary.

The 180 million dollar issue of 3 per cent bonds of the Federal Land Banks, offered to the investing public April 8, was heavily over-subscribed by 11 o'clock. That doesn't make farm credit look so bad.

Regularity in daily milking and feeding makes a lot of difference in the output of a dairy herd. It is easier to be prompt with these jobs, if

roughage is fed in the form of good pasture. This is particularly true during the crop season.

If you want to make a million dollars, invent a gadget for a radio that will enable a listener-in to heckle the broadcasting candidate, says the Atlanta Journal.

An Illinois Chester White sow is reported to have produced 19 pigs. What is the largest litter you ever heard about?

The right crop on the right kind of land continues to pay. The White Cloud Globe says: "John Sparks told us he cleared more than \$700 on his half of 4½ acres of strawberries last year."

We need more people who can smile, said Mrs. Frances Livingood, who recently celebrated her 90th birthday at her farm home 3 miles south of Formoso. Mrs. Livingood is right.

Sprinkling 15 quarts of maize liberally mixed with a half gallon of sirup and 1½ ounces of strychnine, got rid of 500 rabbits that were seriously damaging C. F. Shafer's wheat field, near Hugoton.

Development of a new chemical solution for relieving pain without harmful effects is announced by a doctor in New Jersey. Wonder whether it would help injured bank accounts?

A recreation room is being opened at Goodland so farm women who come to town on Saturday may leave their children in safety while they go about their shopping.

# Learned to roll 'em one-handed while driving the team!

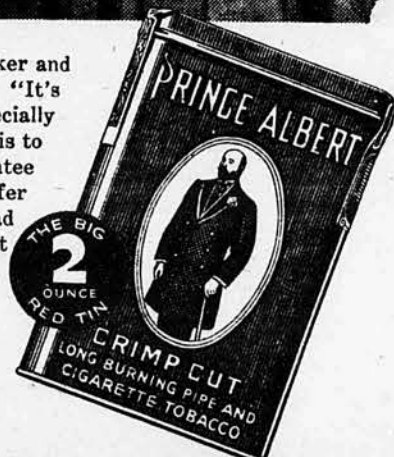


THE PHOTOGRAPHER caught Howard Longstreth just as he was telling his brother-in-law how he discovered his favorite "makin's." "When I lit up my first Prince Albert smoke," he's saying, "I thought 'Here's real smokin's!' P. A. tops them all for mildness." Howard can roll a swell cigarette one-handed—learned to do it while handling the horses. "Prince Albert is 'crimp cut,'" he says, "lies right in the paper."



SHOWING HIS FRIENDS how much quicker and firmer you can roll a cigarette with P. A. "It's made with roll-your-own smokers especially in mind," Howard tells them. "My advice is to take advantage of the money-back guarantee and start smoking P. A. soon." The offer he's talking about is featured below. Read it. Pipe smokers are also enthusiastic about Prince Albert—it tastes so mellow.

**70** fine roll-your-own cigarettes in every 2-ounce tin of Prince Albert.



© 1935, R. J. Reynolds Tob. Co.

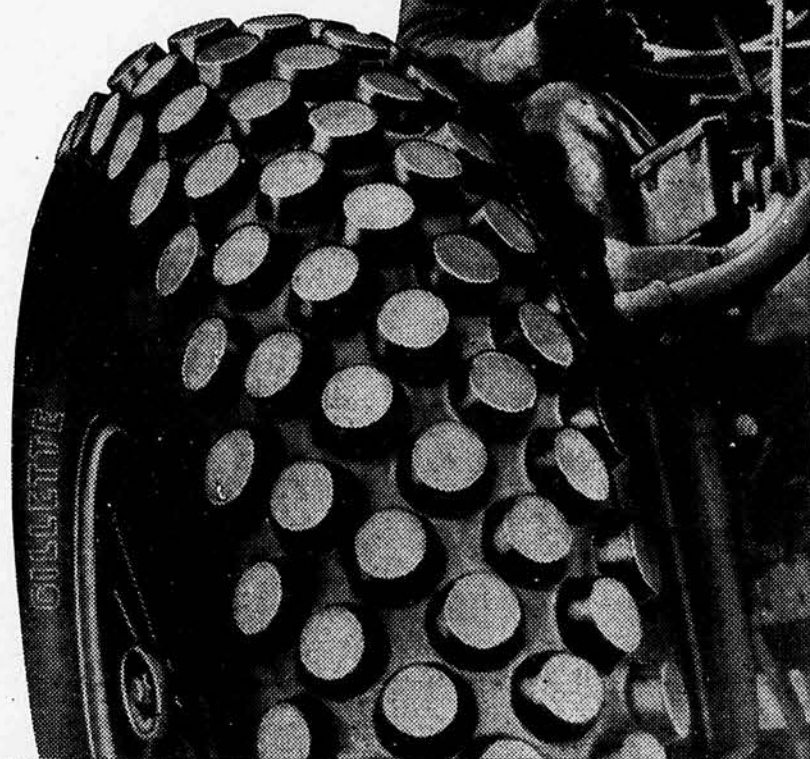
You'll praise Prince Albert, too,  
once you try it. . . Here's our offer:

Roll yourself 30 swell cigarettes from Prince Albert. If you don't find them the finest, tastiest roll-your-own cigarettes you ever smoked, return the pocket tin with the rest of the tobacco in it to us at any time within a month from this date, and we will refund full purchase price, plus postage.  
(Signed) R. J. Reynolds Tobacco Co., Winston-Salem, N. C.

**PRINCE ALBERT**  
THE NATIONAL JOY SMOKE



ADD  
*Extra Power*  
TO YOUR TRACTOR  
WITH



## Gillette SUPER-TRACTION TRACTOR TIRES



If you have attended any recent tractor demonstration, you know that the tire they were all talking about was the Gillette Super-Traction Tire. Every time, it demonstrated better traction, giving the tractor more power with less slippage, and the big, tough, tapered rubber lugs dug right into the soil and came out cleaner. The advantages of any good tractor tire are many, but there are additional reasons for choosing Gillette Super-Traction Tires.

All leading makes of tractors are equipped with this remarkable tire on request. Steel wheels on your present tractor may be changed over quickly, easily. Write for interesting free booklet on tractor tires.

### GILLETTE SUPER-TRACTION TIRES FOR AUTOMOBILES AND TRUCKS

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GILLETTE RUBBER COMPANY  
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## We Take a Look at Other States

And Find Several Interesting Things That Might Fit Us

BY THE EDITORS

### Just Plant More Kernels

FARMERS who have seed corn of a good strain which does not germinate well, may expect a satisfactory yield if they find the exact germination and increase the rate of planting in proportion to the percentage of kernels which are not good. The Nebraska Experiment Station in the dry season of 1931, planted seed corn with a 100 per cent test at the rate of 3 kernels to the hill, seed corn germinating 75 per cent at 4 kernels to the hill, and that with a 60 per cent test was planted 5 kernels. All gave the same acre yields.

### Ground Feed Did Better

FIVE tests of corn and cob meal versus shelled corn for yearling beef cattle and beef calves at Ohio Experiment Station, showed \$4.34 to the 100 bushels of corn in favor of corn and cob meal. Out of this advantage, however, had to come the extra cost of grinding compared with cost of shelling corn. There was nearly \$2 more advantage in favor of corn and cob meal for yearling cattle than for calves. It ran \$6.08 to the 100 bushels of corn.

These tests show primarily that there is little difference in the final gain costs between corn and cob meal and shelled corn. The carcasses graded on a par. The test also indicates the theory of cattlemen that calves have teeth better fixed to chewing hard shelled corn than do yearlings.

### Try Little Ridges First

DIRT is being worked into terraces on many Oklahoma farms this spring by means of a new type of home-made terracing machine. W. H. McPheters, agricultural engineer, Oklahoma A. and M. College, Stillwater, developed it. May be pulled by 4 horses or a small tractor. Blacksmiths can make the machine at low cost. Might ask Mr. McPheters for instructions so you can make one.

It might be fine to farm along terrace lines this spring with the idea of throwing up larger and more permanent ridges later. We seldom accomplish much unless we make a start and do the best we can with what we have. Plenty of terracing equipment on the market. Kansas Farmer will be glad to get you information on any line.

### Sweet Hog Feed Failed

MOLASSES for fattening isn't recommended by hog specialists at Louisiana University. One lot of hogs was fed a base ration of 90 per cent corn and 10 per cent cottonseed meal and shrimp meal. In lots 2, 3, 4 and 5 molasses was substituted for the corn at the rate of 25, 50, 75 and 100 per cent respectively. The average daily gains in the five lots were .81, .67, .55, .32 and .06 pounds respectively. Furthermore, report the Louisiana specialists, the pigs fed molasses were bothered by scours.

In other tests molasses was substituted for corn at the rates of 5, 10, 15 and 20 per cent. The conclusion from all of these tests was that molasses had

no feeding value for hogs. Yet, many Kansas farmers fed molasses in the winter of 1934-35, with apparently good results. Do you agree with the Southern specialists, where molasses is a big surplus product?

### U. S. Bulls Go South

URUGUAY is buying purebred bulls from Kansas. Four Kansas bred and raised Polled Hereford bulls were included in a shipment of six which recently went to Uruguay, South America. Three of them were from the John M. Lewis herd at Larned. Another was bred by Leslie Brannan, Timken. One bull came from Montana, another from Iowa to make up the six.

### Eggs From Coast to Coast

ALTHOUGH fewer than 2 per cent of the nation's eggs are produced in the state of Washington, 10 per cent of the eggs shipped into New York City in 1935 came from that state. More than 630,000 cases, or 3 carloads and better every working day, were sold thru the Washington Co-operative Egg and Poultry Association, an organization with a membership of 17,000 members.

### Which Chicks Are Better?

EGGS laid by pullets during the first year of egg production, even if the percentage of hatch is better, are not worth nearly so much for hatching as the eggs laid by hens after the first year of egg production has been completed, according to J. R. Couch, Texas Agricultural Experiment Station. He states that the chicks hatched from pullet eggs are not so strong and healthy, and are not so productive as chicks hatched from mature hens. Do Kansas poultry raisers agree with this?

### Two States Plant Trees

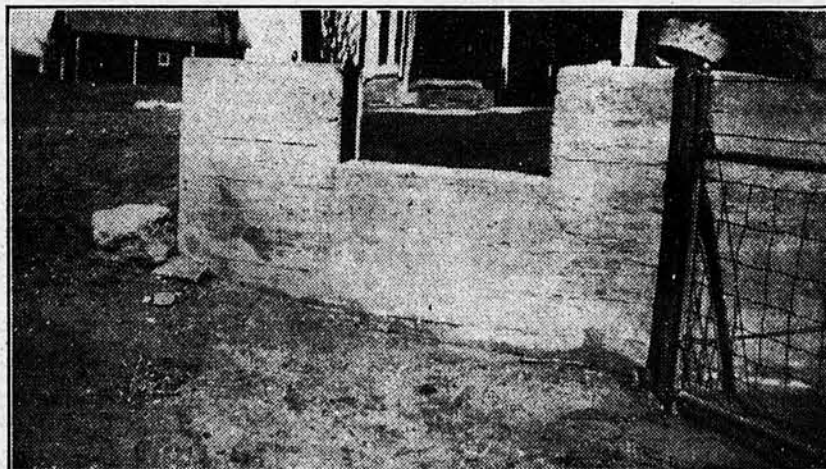
FARMERS in Colorado had ordered 100,000 young trees from the extension forester up to April 1 this spring, for planting farm windbreaks and shelter belts. These trees were planted on about 400 farms. Orders at the Kansas State Nursery, at Hays, have been extra heavy this year too, showing increased interest in seedlings for farm windbreaks.

### Turkeys From Out West

ACCORDING to a report in the Pacific Rural Press, Central states have "nearly swamped" California turkey growers with orders for hatching eggs. The Modesto branch of the California Turkey Growers Association shipped more than 10,000 eggs on March 17, to Midwestern states.

### Find Earlier Lespedeza

A KOREAN lespedeza, 2 weeks earlier than standard Korean, suitable for the Central Corn Belt, has been developed by the Department of Agriculture. Maybe in time we can use more lespedeza in Northern Kansas.



Not much to look at, but this makes a handy chute for loading or unloading livestock. Ground at the back side is level with the concrete. It belongs to W. V. Stutz, Ness county. If he wishes, Mr. Stutz sets panels between the loading dock and the barn door, to drive livestock in or out. This takes only a few minutes.



## Our Readers Wish to Know

Your Questions Will Be Answered Promptly

### Which Kind of Lime?

Can one use magnesium limestone as well as calcium limestone on soil?—T. M. K.

**M**OST extensive test of the value of these two forms of limestone has been in progress at an Eastern experiment station for 25 years. A high grade calcium lime, both as the hydrate and the carbonate form, has been compared in field tests during this time with the corresponding forms of a magnesium rock. Six applications of the liming materials, on an equal basis, have been made, amounting to about 15 tons to the acre.

The average yield of all crops over the entire period were virtually the same for both forms of the limestone and the magnesium hydrate. They were only slightly lower for the calcium hydrate. There was no difference in their effect on the soil acidity. From these results one can conclude that unless magnesium is deficient in the soil, one need not discriminate against the magnesium or calcium stone for such heavy applications of liming materials.—W. A. A.

### Steer May Have Footrot

I would like information about a lame steer. I recently purchased a load of good white-face steers weighing 550 pounds at the stockyards. I overlooked one being lame at the time. After I got it home, it seemed to be very tender footed and could not walk well. Upon close examination, its feet above the hoofs seem to be cracked and the steer seems to be in pain when it walks. This steer may have been footrotted before I got him. Do you think there is any chance of him having his feet frozen, as he had been shipped in severe weather? What do you think would be best to do for him?—A. F. L.

**F**ROM the symptoms, it sounds as if this animal might be affected with footrot, a disease due to an infection. In view of the fact that you have only one animal affected, I suggest that you take it in where it can be kept on a hard-surfaced floor that is kept clean. Thoroughly washing the affected foot with soap and water and then painting it—especially between the claws and around the claw head—with pure tincture of iodine, and repeating this two or three times a week should soon result in a recovery, provided the condition is not advanced too far. Sometimes the disease has advanced so far that in extreme cases the claw must be amputated.—R. R. D.

### Treat Hens for Tapeworm

My poultry is badly bothered with tapeworm. Can you give me a formula that will get rid of this pest? I have a remedy that is good for roundworms, but doesn't get the tapeworms.—B. C. J.

**W**E RECOMMEND kamala for removal of tapeworm and some form of nicotine sulfate, such as tobacco dust, for removal of roundworms. These treatments should not be given at the same time. If the birds are heavily infested with round and tapeworms, give the tapeworm treatment first, following in about 14 days with the roundworm treatment.—H. C. M.

### Garget Comes by Spells

I have a cow that has a hard place come into her bag occasionally. It makes her hard to milk, scarcely giving any at all at the first milking, then comes in strings and chunks the second milking. She comes into the barn apparently all right in the morning, then maybe at night her bag is like a rock on one teat. This moves around in the bag for it isn't always the same teat but may be any of the four. I had thought this might be garget but don't know for sure. What can I do for it? Is there any cure?—W. D. J.

**U**NDoubtedly your cow is affected with chronic garget, and I do not believe there is very much hope for complete recovery. The best that you can do, so far as I know, is to follow the instructions of a veterinarian or the advice of specialists in the department of veterinary medicine of Kansas State College.—R. R. D.

### Ridding Plants of Aphids

What can be done to rid plants of aphids?—M. K. T.

**A**PHIDS often show up on the first planted garden crops and flowers. A commercial nicotine spray will give control. One may prepare a nicotine-lime dust if he prefers to use dust. Prepare the dust at the rate of 1 ounce of

nicotine to each pound of lime. Place the mixture in a sirup bucket with a few stones and shake for 10 to 15 minutes, keeping the lid on tightly. This dust mixture will keep for several days if it is kept in an air-tight container.

The dust will kill more effectively if it is applied when the temperature is above 70 degrees, and when there is little air movement. Some use a large can or heavy canvas under which to apply the dust. With either the spray or dust it is best to treat the plants as soon as infestation by the pest is noticed. More than one application may be necessary.—G. D. J.

### The Kansas Bull Exchange

How does the new bull exchange work?

**T**HE Kansas bull exchange service is handled by county agents, cow testers, and district breed associations. These people keep the handbook which

lists sires for exchange or sale. Only sires in service in the herd 2 years or more are listed. The object is to assist in finding new homes for sires that otherwise would go to market. By this procedure it is hoped more sires will be alive when the records of their daughters are known. It will help the proved sire program.

### What Each Cow Needs

I am running a small dairy and milk production has been falling off rapidly. I feed plenty of good hay, prairie and alfalfa, mostly alfalfa. My grain feed mixtures is: 300 pounds bran, 200 pounds shorts, 300 pounds ground oats, 10 per cent cottonseed meal, 1 per cent salt.

I feed 1 gallon to each cow milking. An hour or two each day, cows run on green alfalfa. About a year ago I started using a milking machine. Some tell me this has a tendency to dry cows up quicker. Is there any foundation for this report?—O. R.

**I**N YOUR letter you state you are feeding 1 gallon to each cow milking, and I assume that is daily. The first step that you might make in correcting your feeding program is to feed each cow according to her production. You do not state the breed, but if you have Jerseys or Guernseys, you can

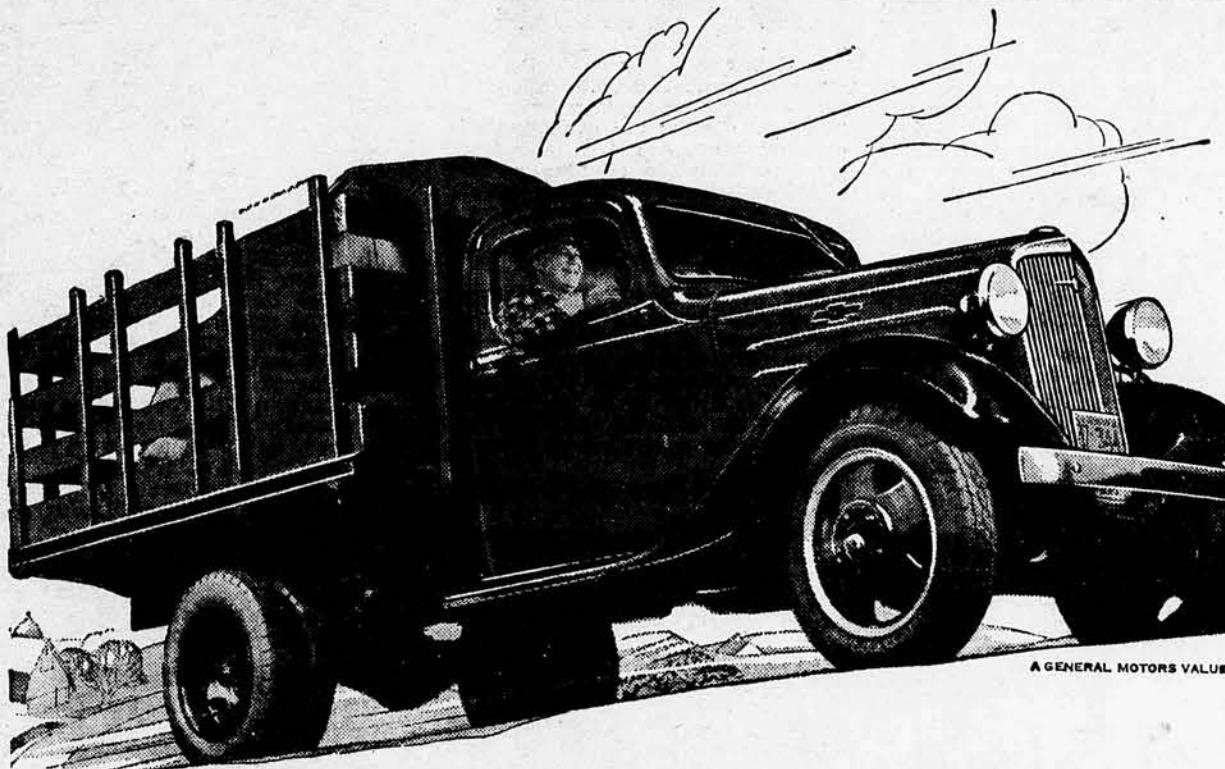
### Doesn't Like Crosses

F. W. BELL

**A**LTHO crossing breeds in the production of market livestock is a fairly common practice, especially with hogs, it is a questionable practice in the long run. There is too great temptation to keep some of the crossbred gilts for replacements in the breeding herd. If this is done, there will be considerable lack of uniformity in type and general appearance among the pigs raised.

feed 1 pound of grain to each 3 pounds of milk produced, and Holsteins 1 pound of grain to each 4 pounds of milk produced. It is wasteful to overfeed the low producers and underfeed the high producers.

There is no reason why your milking machine should cause trouble if it is operated correctly.—F. W. A.

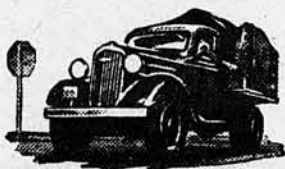


A GENERAL MOTORS VALUE

For hard farm service . . . for all-round duty

## World's thriftiest high-powered trucks

### Buy one . . . be convinced!



**NEW PERFECTED HYDRAULIC BRAKES**  
always equalized for quick, unswerving, "straight line" stops



**NEW FULL-TRIMMED DE LUXE CAB**  
with clear-vision instrument panel for safe control

**BUY** one of these new Chevrolets for 1936 and you will own the world's thriftiest high-powered truck!

Buy one, and you will get all the power you need at the lowest cost. . . Buy one, and you will keep farm profits up by keeping haulage costs down!

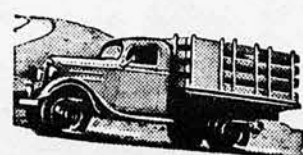
These new Chevrolets, powered by a High-Compression Valve-in-Head Engine, give the greatest pulling-power of any trucks in their price range. And, what is even more important, they give this greater pulling-power with less gas and oil. Moreover, they are the most economical of all trucks to maintain, because of the extra strength and dependability which Chevrolet builds into every part.

**Pulling-power and economy!** That's what you want when you buy trucks. And that's what you get, in unequalled measure, when you buy a Chevrolet. **PLUS** the unmatched safety of New Perfected Hydraulic Brakes; the greater comfort of a New Full-Trimmed De Luxe Cab, with clear-vision instrument panel for safe control; and the greater reliability of a Full-Floating Rear Axle on 1½-ton models—with the highest quality construction throughout.

Your Chevrolet dealer will be glad to give you complete information about the world's thriftiest high-powered truck and a convincing demonstration of its abilities. See him—today!

CHEVROLET MOTOR COMPANY, DETROIT, MICHIGAN

**6% NEW MONEY-SAVING G.M.A.C. TIME PAYMENT PLAN**  
Compare Chevrolet's low delivered prices and low monthly payments.



**NEW HIGH-COMPRESSION VALVE-IN-HEAD ENGINE**

with increased horsepower, increased torque, greater economy in gas and oil



**FULL-FLOATING REAR AXLE**

with barrel type wheel bearings on 1½-ton models

# CHEVROLET TRUCKS





# Magic Helps For Cleaning Days

Oh, housecleaning's a chore, but it used to be worse;  
So let's thank kindly the "soap and brush" makers.

MABEL WORTH

WHOEVER said "cleanliness is next to Godliness" expressed a bit of old-fashioned philosophy ninety-nine per cent truth.

Cleaning is menial labor. And cleaning days repeat themselves as inevitably as the days on the calendar. The homemaker spends a long day with broom, vacuum cleaner, dusters and other dirt-chasing agents. She achieves a spic-and-span home, clean, sweet, orderly and restful. But a few days later she looks askance at her house, wondering whether it be possible this disarranged, dusty place is that spotless home for which she labored so industriously.

We just said cleaning is menial labor. But is it? Compared with swaying in a hammock on a summer's day with a favorite book, it surely is hard work. As the comedians say, "Yes and No." Let's glimpse a page in Grandmother's diary by which to gauge our cleaning work.

The day is Grandmother's spring or fall cleaning. Housecleaning they called it then—and it included the whole house, from cellar to garret. The whole family looked forward with apprehension to the day when she would observe the calendar, or almanac, and awaited her announcement that on the ninth we "shall begin housecleaning."

Carpets and rugs were enthusiastically taken up and outdoors for a beating. Any man of your acquaintance with thinning silvery hair who grew up in a rural or small-town locality will remember those carpet-beating episodes.

Curtains were taken down and laundered. Pictures came down and were most painstakingly wiped. Closets were made to disgorge their contents. Drawers were emptied painfully—as to aching backs and sore muscles.

No one of the family—save Grandmother herself—knew where one's personal possessions were, or might be found.

Every member of the family was put to work from early morning until bedtime.

But when the task was completed and the routine of the family once more restored to its accustomed normalcy, the home was clean! It was as sweet smelling and spotless as feminine skill and hard work could make it.

Modern cleaning is conducted in a much different fashion. We do not wait for those spring and fall "spasms." Rooms are given a thorough cleaning monthly at least, more often possibly. With the easy magic and efficient service of the vacuum cleaner, and the universality of hardwood floors and scatter rugs, floor care is a simple job, compared to the "gay Nineties."

But even today the unthinking homemaker increases the burden of her cleaning days unnecessarily by disregarding cleaning equipment and a bit of forethought with the expenditure of a dollar or so in properly stocking the cleaning closet so that it will render fullest aid on cleaning days.

Many of us have special cleaning

closets. If one has not, it is well to plan a place where cleaning equipment and tools may be kept in the best condition, ready for instant use.

A closet, cupboard or wardrobe in the kitchen, or on the back porch, makes a good place, if the house is not constructed with one in mind. A backstair closet may also be utilized to advantage. This closet should have plenty of hooks and racks for tools, and a shelf for cleaning materials.

Every housekeeper has her own choice of helps. And a few inexpensive ones may be added now and then to lighten the work of cleaning.

## Mop Bucket on Wheels

A bucket with wringer for mopping is essential—one with a wringing device that operates with the foot, saves wearisome stooping. A piece of inch board about 15 inches square with rollers makes a convenient platform on which to set the mop bucket and permits it to be moved about easily via toe-power, without lifting.

A good dry wall mop is easily obtainable or in an emergency one may be devised by tying a bag made of wool or cotton cloth over an ordinary broom. You might try keeping a broom for this purpose, especially dressed and ready for service. There are long-handled dry mops, chemically treated for dustless work.

Speaking of brooms, it is a good idea to screw a little "eye" in the end of the handle to hang up the broom when not in use. Brooms so kept preserve their "youthful" shape.

To be sure you'll want a long-handled dustpan. It is a joy forever, if not a thing of beauty.

It pays to invest in several brushes for cleaning days; buy various sizes, long and short handles, soft, thin ones that will reach back under furniture, and stiff, coarse ones for rough work.

## Treated Cheesecloth Dusters

Cheesecloth, worn silk and flannel dust cloths are unexcelled. Of course, commercial dusters are excellent, but one may make good ones by dipping cheesecloth squares in 2 quarts of warm water to which ½ cup of kerosene has been added. Hang them out to dry and they are ready for use but should be kept away from open fires as they are inflammable.

A blackboard eraser, covered with flannel is fine for stove polishing.

Of course, you will need an oiled floor mop to be used on polished floors between the regular cleaning and waxing. Many homes have a weighted floor polisher.

It goes without enumerating that a vacuum cleaner is your first lieutenant many, many times a week. And a carpet sweeper is very convenient for it will lift crumbs or ravelings from the center of the floor in a flourish or two—perhaps with guests already at the door!

Then there is a little cleaner like a vacuum, just a hand size; it proves a blessing on over-stuffed furniture; and excellent to take dust out of mattresses. It simply sucks the dust out and gets into small, obscure corners. Costs only a few dollars, too.

It is a good idea to keep on hand some of the commercial dry cleaners, those products that cost little, many are non-inflammable, that help take

out spots and do all manner of magic tricks in regular cleaning.

If we will let these tools help us, good luck will attend our cleaning days!

A special closet where cleaning equipment and tools may be kept in the best condition, neatly assembled and ready for instant use, should be a part of every household.



## A Pair of Lacy Gloves

CROCHET YOUR OWN

A LACY pair of gloves that make your hands look—the way you want yours to look—charming. Better yet, they are smart and cool. Now isn't that a delightful combination? They are hand crocheted in simple easy stitches, and our package No. 4019 contains fine quality, highly mercerized boilproof-crochet-cotton, amply sufficient to complete a pair of these gloves. The material may be had in white and four boilproof colors—navy, chamois, black or beige. Directions for making them are also enclosed. You'll find it not at all hard to fit your fingers, and you'll like the snug fit of the wrist and the pretty flare of the lacy cuff. And when lovely gloves like these can be made at home for just the price of the materials—25 cents—there's no reason at all why you shouldn't have a pair of every color to go with different costumes. Address orders: Needlework Service, Kansas Farmer, Topeka.

## Shampoo for Wool Rugs

MILDRED BOXWELL

RUGS and carpets may have been swept daily with a carpet sweeper and yet be so badly soiled that a good cleaning is needed to revive the colors and leave the nap soft and clean. I recommend the following preparation for cleaning a wool rug:

1 medium bar neutral soap  
1 ounce soap tree bark  
1 tablespoon ammonia  
4 quarts water

Shave the soap into the warm water and add the bark. Heat mixture until soap dissolves. Remove from fire, cool, add ammonia and 3 quarts of water. Let mixture stand 12 hours before using so that it will have time to acquire a jelly-like consistency.

Before using this mixture on rug, test out an inconspicuous place for fastness of color. If the rug is color-fast apply solution to small section with a brush rubbing rapidly in circular motion, then with the nap of the rug. Scrape off soiled lather with spatula. Wipe off remaining suds with cloth wrung out of clear warm water. Dry quickly. This method is advised for cotton fabric rugs.

## A Dish for Your Dinner

BAKED cabbage and tomatoes with cheese may well serve as the main dish for any meal, for it is appetizing, filling and nourishing, with the added quality of low cost thrown in for good measure.

3 cups boiled cabbage  
1½ cups stewed tomatoes  
1 cup bread crumbs  
1 cup ground cheese  
2 tablespoons butter  
Salt and pepper to taste

Butter a baking dish, put in a layer of tomatoes, which have been well seasoned. Then add a layer of cabbage. Sprinkle this with cheese and then with bread crumbs. Continue to add layers this way until all ingredients have been used. Make the last layer bread crumbs. Dot the top with bits of butter and bake in the oven at from 250 to 350 degrees Fahrenheit for about 30 minutes.

## This Game of Growing Old

JANE ALDEN, Stylist

IT'S FUN to grow older if you stay young! How about you? Can you pass these tests? Do you look forward to the crinkly pink and white of apple blossoms, love the raw, clean scent of



Jane Alden

spring? Can you go for a walk with children and run pell mell down the hill with them? Are you as interested in the clearness of your complexion as the clearness of your window panes . . . as careful about planning your own new outfit as that of Johnnie's or Mary's? If you can stand up tall, lift your chin, have a twinkle in your eye and say "Yessiree!" to those questions, then you're young—you're charming—and your husband and kiddies love you!

Grooming is merely a matter of habit. Once you establish firmly the habit of scrubbing your teeth, thoroughly cleaning your face and brushing your hair every night before retiring—you come to do it almost automatically.

Then, when you arise in the morning, rinse your face with warm water followed by a dash of icy cold. Be sure to

## Shadow-Proof Slip

A SUMMER NECESSITY



Pattern KF-102—You can pose your sheerest sheer atop this shadow-proof slip and not a sun's ray can filter thru. There's a deep, smooth overlap in back that automatically "does the work." A summer wardrobe would not be complete without several just like it, in white or flesh-tone rayon, satin or crepe. Best of all, this pattern's easiest-of-the-easy to make, for you save time, cutting a built-up bodice and shoulder straps in one. Straps, cut this way, won't slip either. Sizes 34 to 46. Size 34 requires 3¼ yards 39-inch fabric.

Patterns 15 cents in coin, or 16 cents in stamps. Our new Spring Fashion book filled from cover to cover with glamorous spring clothes, 10 cents extra. Address Fashion Service, Kansas Farmer, Topeka, Kan.

Kansas Farmer for April 25, 1936



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Patterns 15 cents in coin, or 16 cents in stamps. Our new Spring Fashion book filled from cover to cover with glamorous spring clothes, 10 cents extra. Address Fashion Service, Kansas Farmer, Topeka, Kan.

brush back those straying locks—and don a clean apron, too. It's the little "brush-up" touches that give you a crisp early morning freshness that peps up looks and disposition.

Get durable house frocks in becoming colors—one that repeats the color of your eyes, for instance—and with touches of braid, or ruffling in crisp white or cheery colors. Have a stock of clean ones on hand, too, so that you never go to the door to meet anyone . . . from a chance salesman to the kiddies, home from school, without looking as neat and fresh as a newly laundered hanky.

In considering your wardrobe, here are some good rules for the woman who is "fortyish" or more: Above all, don't wear "fussy" clothes. By the time you

are forty you have accumulated wisdom, sweetness and poise. Let these ripened qualities shine forth from a soft pleasing background. Too many frills, teetering heels, over-trimmed hats, merely emphasize your years . . . make you look silly. Wear simple smart things with lines that carry the observer's eye up and down. Bring in softness around your neck and face thru use of a soft scarf or a lacy collar. Don't wear whole frocks of a very bright color. Vivid shades are trying to wear . . . they emphasize wrinkles, and bring out the most unbecoming shades in your complexion. Rather choose a subdued shade of your favorite color.

Again, an extremely smart rule is to choose an outfit of a solid dark shade such as black, navy, brown, deep wine, purple, or gray, and bring in a light or

gay touch thru trimming or accessories. A slenderizing frock in soft black crepe with a bit of creamy lace folded inside the "V" neckline is always smart.

Or, if you are "plumpish" as well as "fortyish," try a jacket dress with wrist length or three-quarters jacket. They are little magic makers in concealing hips and giving you a graceful swinging line.

Soft, dull materials are much better for full figures. Shiny fabrics give an appearance of increased bulk. In choosing accessories, stick to simple ones. They are much smarter.

I repeat it's fun to grow older if you stay young. How about you?

(Copyright, Edanell Features, 1936)

## The Inside Story of

# MELVIN PURVIS G-MAN



**MELVIN PURVIS**, formerly ace G-Man of the Department of Justice, who directed the capture of Dillinger, "Pretty Boy" Floyd, "Baby Face" Nelson, and many others. Mr. Purvis herein reveals the methods used in capturing criminals. Names have, of course, been changed. This inside story is published as 'proof that CRIME DOES NOT PAY.

## THE SCRAM CHART. OR HOW AMERICA'S ACE G-MAN CAPTURED THE BARKUS GANG



HERE'S HOW A SCRAM CHART WORKS: SEVERAL DAYS BEFORE THE ROBBERY, THE BANDIT CAR DRIVES CAREFULLY OVER THE ROUTE PLANNED FOR THE GET-AWAY, SELECTING LITTLE-USED ROADS. EXACT MILEAGES ARE NOTED ON THE CHART. WHEN THE BANDIT CAR DRIVES UP TO THE BANK, THE MILEAGE GAUGE IS SET AT ZERO. WHEN THE CAR ROARS AWAY FROM THE SCENE OF THE ROBBERY, A BANDIT CALLS OFF THE MILEAGES AT WHICH TURNS ARE TO BE MADE . . . "3/10THS OF A MILE, RIGHT TURN . . . 2 1/2 MILES, LEFT TURN," ETC.



NOW, WE KNOW EXACTLY WHICH WAY THEY'RE GOING!



MY HUNCH IS THAT WHEN THEY LOST THAT SCRAM CHART, THEY HAD TO CHANGE THEIR WHOLE PLAN OF GET-AWAY. I THINK THEY'LL KEEP ON THE MAIN HIGHWAY TO THE BORDER—AND I'M GOING TO HEAD THEM OFF! I KNOW A SHORT CUT TO THE CROSS ROAD... STEP ON IT AND WE'LL CATCH BARKUS YET!



## AT THE CROSSROADS



## JOIN MY JUNIOR G-MEN!

BOYS AND GIRLS!.. I'LL SEND YOU FREE THIS REGULATION SIZE JUNIOR G-MAN BADGE... ENROLL YOU ON THE SECRET ROLL OF MY JUNIOR G-MEN... AND SEND YOU A BIG EXCITING BOOK THAT TELLS YOU ALL ABOUT CLUES, SECRET CODES, INVISIBLE WRITING, SELF-DEFENSE... OTHER 'INSIDE' INFORMATION THAT ONLY G-MEN KNOW... READ BELOW HOW TO JOIN AND GET THESE AND MY OTHER FREE GIFTS!

## Try Crisp, Crunchy Post Toasties

—the finest breakfast treat ever!



COME on, everybody—join Melvin Purvis and enjoy a delicious bowl of POST TOASTIES! Mm! How you will go for those crisp, golden flakes made from the tender, sweet little hearts of the corn—where most of the flavor is. Each golden flake is toasted double crisp—that's why Post Toasties keeps its crunchy goodness longer in milk or cream.

Get your Post Toasties now! . . . and join the Junior G-Men! Melvin Purvis wants you as a member . . . so send the coupon now!

Post Toasties is a Post Cereal, made by General Foods.

To join, send coupon with 2 Post Toasties box-tops to Melvin Purvis. He'll send official Junior G-Man badge, Instruction Manual, and tell you how to get OTHER FREE GIFTS!

MELVIN PURVIS, K.F.4-25-36  
% Post Toasties, Dept. KF, Battle Creek, Mich.  
Please send me the Official Badge, Instruction Manual, and catalog of FREE PRIZES. Here are my 2 Post Toasties box-tops. Boy ( ) Girl ( )

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

(Offer expires Dec. 31, 1936 and is good only in U.S.A.)



## Wonderful Success Raising Baby Chicks

Mrs. Rhoades' letter will no doubt be of utmost interest to poultry raisers who have had serious losses in raising baby chicks. We will let Mrs. Rhoades tell 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 first incubator 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 box of their Walko Tablets to be used in the drinking water for baby chicks. It's just the only thing to keep the chicks free from disease. We raised 700 thrifty, healthy chicks and never lost a single chick after the first dose."—Mrs. Ethel Rhoades, Shenandoah, Iowa.

### DANGER OF INFECTION AMONG Baby Chicks

Readers are warned to exercise every sanitary precaution and beware of infection in the drinking water. Baby chicks must have a generous supply of pure water. Drinking vessels harbor germs and ordinary drinking water often becomes infected with disease germs and may spread disease through your entire flock and cause the loss of half or two-thirds your hatch before you are aware. Don't wait until you lose your chicks. Use preventive methods. Give Walko Tablets in all drinking water from the time chicks are out of the shell.

### YOU RUN NO RISK

We will send Walko Tablets entirely at our risk—postage prepaid—so you can see for yourself what a wonder-working remedy it is when used in the drinking water for baby chicks. So you can satisfy yourself as have thousands of others who depend on Walko Tablets year after year in raising their little chicks. Send 50c (or \$1.00) for a package of Walko Tablets—give it in all drinking water and watch results. You run no risk. We guarantee to refund your money promptly if you don't find it 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.

### WALKER REMEDY COMPANY

Dept. 22  
Waterloo, Iowa

For Sale by all Leading Druggists  
and Poultry Supply Dealers.

## Stop CHICK LOSSES FROM BOWEL DISORDERS



## DR. SALSBERY'S PHEN-O-SAL TABLETS

• This year—raise more chicks and healthier chicks, in less time and at less expense! How? Simply by checking and preventing bowel disorders! See that your chicks get Dr. Salsbery's Phen-O-Sal Tablets in their drinking water right from the start. It helps to keep the intestinal tract clear of infection, checks bowel troubles, gently heals any inflammation present, soothes the sore tissues, and furnishes many blood-building elements that are necessary to good health and vitality.

Start your chicks on Phen-O-Sal at once. A package of 125 tablets costs only \$1.00.

• Early worm control is very important. Check and prevent round worm infestation by using Dr. Salsbery's Avi-Tone in the mash regularly.

**FREE** 16-page book "First Aid to Baby Chicks"; book on Worm Control; book on Vaccination. Write us! **DR. SALSBERY'S LABORATORIES** Under personal direction of Dr. J. E. Salsbery, Veterinarian and Specialist in Poultry Diseases 109 Water Street, Charles City, Iowa

Take Your POULTRY TROUBLES To The Dealer Who Displays This Emblem. He is a Member of Our NATION-WIDE POULTRY HEALTH SERVICE.

Mention Kansas Farmer when Writing to Advertisers. It Identifies You and Helps Kansas Farmer.

## POULTRY

## Advantages Early Chicks Have

MRS. HENRY FARNSWORTH

NOT MANY complaints to date of baby chick troubles. That's one fine thing about early-hatched chicks. They get a good start in life before the different germs develop that cause so many losses. As the weather gets warmer that old enemy, coccidiosis, will be putting in its appearance. This disease is one of an intestinal nature. The chicks may seem perfectly healthy in appearance, but a few days before anything unusual can be detected the chicks seem to be rather inactive and do not have the keen appetite they have exhibited before. Then in a day or so the affected ones will have a ruffled appearance, drooping wings and a general unthrifty look.



Mrs. Farnsworth

Almost from the very time it is noticed there are several dead chicks. Once started the mortality usually runs from 10 to 50 per cent. Once in a while when it gets a good start whole flocks have been destroyed. The greatest losses usually occur in 7 to 12 days after the trouble is first detected, then it gradually tapers off, the losses finally dwindling to 2 or 3 a day. If the attack has been severe and mortality heavy the balance of the flock shows the effects of the attack. They will be slow to feather, have weakened vitality, and there will be more chicks that do not grow out. They become dwarfs instead of the healthy chicks they would have been had it not been for coccidiosis.

### Wet Spring Is Costly—

Weather conditions have much to do with the health of poultry. A cold, wet spring nearly always means much heavier loss of chicks the country over. In a warm, dry season chicks can be raised with about half the labor and with small losses from disease. The part weather plays can be demonstrated to one's satisfaction when treating sick fowls of any age. In warm, sunshiny weather poultry responds to treatment many times better than if the weather is damp and cold.

### We Use a Lye Solution—

Absolute cleanliness is the best safeguard against germs. Especially should care be taken to see that the litter on the floor of the brooder house does not become damp, or around the feeders and fountains. A simple and effective disinfectant we use and like is lye. Using 1 pound of lye to 20 gallons of water makes a good solution for scrubbing the floors and fixtures, feeders and fountains of poultry houses. Especially should brooder houses be thoroughly cleaned before putting baby chicks in the house. Another safeguard against disease is not to overcrowd. The average size brooder house is around 10 by 12 feet. Not more than 300 baby chicks should be placed in this size house.

Chicks that keep clean intestinal tracts seldom are affected with coccidiosis. Milk has been recommended

in the treatment of this disease. But our experience with milk never was so satisfactory. We like better those foods that act on the digestive tract, keeping it clean, so that with good care there is no outbreak of the trouble. Yeast and cod liver oil both are excellent foods, and can easily be added to the mash. Or using yeast to ferment a portion of the mash has given as good results as anything we ever have tried to keep chicks healthy. "An ounce of prevention is worth a pound of cure." Most poultry folks will agree that this applies to coccidiosis after they have nursed their flocks thru a siege.

### Mix Mash for Layers

A GOOD, home-mixed mash for laying hens can be prepared by grinding together 100 pounds each of corn, wheat and oats, and mixing this with 75 pounds of meat scrap, 45 pounds of ground alfalfa hay—fourth or fifth cutting—and 5 pounds of salt. With this, each 100 hens need daily 10 to 14 pounds of scratch grain composed of 200 pounds of shelled corn, kafir or milo, and 200 pounds of wheat.

### On Range Until Fall

IT IS IMPORTANT to get pullets out on range during summer months. They keep freer of worms, disease and parasites. It is cooler and they can be fed to force their growth. Ward Grifing, Manhattan, puts his pullets out in shelter houses and leaves them there until they are ready to go into the laying houses about October 1. Last summer he had his shelters in the shade of two big cottonwood trees where the pullets had protection all thru the day. Alfalfa provided range around the houses.

### Well Insulated

AN ADOBE laying house, plastered over with concrete, has been built on the Jones Ranch near Holcomb. On February 29, more than 140 hens were laying about 100 eggs daily. Taylor Jones said the adobe type of structure controlled temperature quite well because the walls provide good insulation. The Jones house has a straw loft.

### Three Big Poultry Meets

THE American Poultry Association officers announce their annual meeting will be held this year at Topeka, Kan. This is good news for poultry folks of the Middle West who cannot get away to attend the meeting at distant places. It was several years ago the meeting was held at Kansas City.

Kansas City gets the annual meeting of the International Baby Chick Association this year. The new Municipal building was the drawing card rather than the July weather that prevails in Missouri during this hot month.

The poultry folks who wish to combine business with a real vacation and pleasure trip have an invitation to attend the World's Poultry Congress which meets in Leipzig, Germany, July 24 to August 2. An effort will be made to bring the Congress in 1939 to the United States.

## Will Study Native Grasses This Season

AN IMPORTANT feature of the soil conservation program for Kansas in 1936 includes reseeding of native grasses. A total of 11,200 pounds of seed will be planted on projects at Mankato, Ottawa and Iola. At Mankato, 2,000 pounds of blue grama, 2,000 pounds of Western wheat grass, and 300 pounds of switch grass are to be seeded.

The seeding program will be limited by the amount of seed available. Only 6,000 pounds of big bluestem seed and 9,000 pounds of little bluestem seed are available in the state. This will be divided between the Ottawa and Iola projects. An attempt will be made to obtain much larger quantities of seed for planting in 1937. If enough seed can be gathered, 29,000 pounds will be planted next spring on the Kansas projects. An additional 16,000 pounds will be distributed to the seven soil conservation camps. Little work has been done in the past in seeding native grasses. A study will be made of the most effective means of preparing the soil and planting the seed.



## The "H. D. LEE NEWS" 12 Noon Daily (Except Sunday)

News from every part of the world is presented each week-day at exactly noon by the H. D. Lee Mercantile Company, thru Trans-Radio, short-wave radio news flashes.

## "Thank You, Stusia"

Bernadine Flynn, known to thousands of radio listeners as Sade, of Vic and Sade, plays the part of Stusia in this brand-new radio feature, "Thank You, Stusia," presented every Tuesday, Thursday and Saturday nights at 6 o'clock by the makers of Alka-Seltzer.



## COLONEL COURTESY

Presented by



Sundays 4:30

Chevrolet's new "Musical Moments" presents some of radio's outstanding stars including Virginia Rea, Jan Peerce, Rubinoff and his violin and 32-piece orchestra and Graham McNamee. Don't miss these outstanding programs broadcast from WIBW every Tuesday, Thursday and Saturday evening at 6:30.



Virginia Rea

## PROGRAM CHANGES

Starting Sunday, April 26, many of WIBW's programs will be heard one hour earlier due to the advent of daylight savings time in the East. Here are the new times:

Sunday—Ford Sunday Evening Hour—7 o'clock.  
Monday—Lady Esther—8 o'clock.  
Tuesday—Camel Caravan—7 o'clock.  
Waring's Pennsylvanians—7:30 o'clock.  
Wednesday—Burns & Allen—6:30 o'clock.  
Chesterfield—7 o'clock.  
Thursday—Camel Caravan—7 o'clock.  
Ed Wynn—7:30 o'clock.  
Friday—Flying Red Horse Tavern—6 o'clock.  
Hollywood Hotel—7 o'clock.  
Chesterfield—8 o'clock.  
Saturday—Lucky Strike Hit Parade—8 o'clock.

THE VOICE OF KANSAS  
**WIBW**  
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## Don't Let Ear Complaints "Go"

CHARLES H. LERRIGO, M.D.

ONE must never slight a complaint about the hearing of a child, for there are few things that have more important bearing upon his physical and mental development. A child whose hearing is impaired 50 per cent goes thru his school life receiving only 50 per cent instruction and other mental aids in like proportion. The correction of deafness in a child may entail a surgical operation for removal of nasal defects or for correction of diseased tonsils or enlarged adenoid tissue. If such corrections are recommended, do not postpone them in the hope that the child may outgrow the trouble, for it is more likely to get worse than better.



Dr. Lerrigo

Teachers in school may suspect adenoids because of the child's inability to breathe comfortably thru the nose with the mouth tightly shut. Another matter that often leads to a diagnosis is to find a child constantly suffering from a running nose. Of course, one must not go to the extreme of suspecting adenoids at every symptom of catarrhal difficulty. You may not know that all normal children have adenoids. It is only when the chronic enlargement of this tissue blocks the free passage of air thru the nose that the well-known symptoms of mouth breathing and catarrh become manifest and operative treatment is necessary.

We hear much about "tonsils and adenoids" and the words seem to be linked up because the same condition that causes inflammation and enlargement in one affects the other likewise. Remarkable stories about miraculous improvement in the mentality of children who have had tonsils and adenoids removed have some foundation in fact, but in actual experience one does not find such improvement in the average child. My advice is that you do not expect too much. Certainly the improved breathing space will give better health. But the excellent results are not to be attained over night, and you should not be disappointed if the child who has had the operation needs a year to show its full effect.

Children who already have suffered much damage to the hearing need special attention, and if routine treatment

does not give improvement it is due that such a child be examined by a specialist. Even if hearing cannot be restored there is much to be expected thru the aid of lip reading. In large towns this subject sometimes is included in the school curriculum. If such aid is not available for your child, perhaps you can teach him yourself.

### Try This for a Year

My boy 12 years old is very small for his age; has grown very little in 2 years. He has been troubled with bronchitis since he was 2 years old. He has always looked well until the last year. He begins to look a little

## The Value of Music in the Home

MRS. E. M. WILSON

MUSIC begins where speech ends!" some one has wisely said. Truly melody knows no racial bounds nor geographic limits. Possibly only in the last generation have folks realized the practical influence of music.

It is gratifying to note the attitude of our educators toward music today, for its value in our schools is entirely unquestioned. Music Week, observed nationally and annually early in May, this year is set for the week of May 3. Under the plan of Music Week even the most isolated rural school may take part in the music lessons which are part of the program, the phonograph or radio bringing the sweet message to young hearts. In the grades boys and girls learn to recognize the works of famous composers, are made familiar with the national airs and become friendly with fine old music, the love of which, you may be sure, will stay with them thru life.

### Inspiration for the Children

For instance, Bobby comes home enthused over American folk songs like "Old Folks at Home" and "Old Kentucky Home." He feels honored to have glimpsed something of the life of Stephen G. Foster, who wrote these gems. And sister Janet becomes more conscientious in her piano practice after learning to sing "Nellie Was a Lady," and discovering that Daniel Emmet, who wrote "Dixie," was once leader of a Negro minstrel show.

Music may be made one of the strongest ties to bind our young folk to the home. You will recall that Longfellow said, "Show me the home wherein music dwells, and I will show you a

peaked, has no appetite and coughs quite a good deal.—S. F. M.

CHRONIC bronchitis that lasts for years is very likely to have tuberculosis at the bottom of it. Such a boy can generally be cured. Have him examined by an expert in tuberculosis if possible. Meantime, I would take him out of school; I would keep him in bed, in the fresh air, a great part of every day until his cough ceases and he begins to gain in weight. Gradually I would allow exercise but watch very carefully against over-doing. I would have him live outdoors, get at least 14 hours rest out of every 24, drink plenty of milk and eat the most nourishing food. In fact I would spend at least a year doing nothing but tissue building.

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.

happy, peaceful and contented home." Admitted, Longfellow did not have some of the modern inventions we enjoy to attract his sons and daughters—or were they all girls—from the parental fireside. Yet it is sad but true that with the attraction of the sound movies, and even the radio in our homes, individual personal music is likely to be neglected.

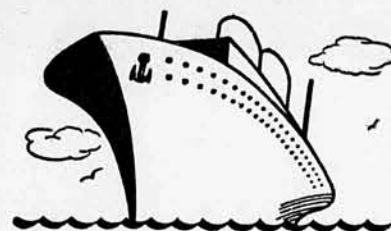
### Let's All Sing Again

In Dad's and Mother's youth the little family organ or piano was the center of many a gay and happy "sing." We need today to find a way to make live again the charm and thrill in gathering about the family piano and singing together songs both old and new.

With the advent of mechanical music, possibly some of Dad's sons and Mom's girls have forgotten, or never known, the steadfast anchor to home in the development of the child's individual musical talents. Yet we agree music in the home has the same old attraction.

There are wise parents who will make Music Week the occasion to introduce some new musical instrument into the home circle. Perhaps an adolescent son has a yearning for the saxophone. Why remember the jests about it? For what may its mastery not lead a youth to achieve? Many stringed and other musical instruments are inexpensive and a boy or girl may be thrilled with the ownership of such an instrument.

Walter Damrosch tells us—"Music is a language capable of demonstrating and beautifying the entire range of feeling which God has placed in the human heart." And as Music Week rolls around again we are reminded afresh of the power and influence of music in the home, and gratefully realize the blessing of this "universal language."



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## Farm Women Meet in Washington

RUTH GOODALL

MORE THAN 1,000 farm women, representing virtually every country in the world, will journey to Washington, D. C., the week of May 31 to June 6, 1936, for the Third Triennial Conference of the Associated Country Women of the World.

The program will contain the names of women known the world over for their interest in the problems of country life. It is planned also to have an exhibit of handicrafts made from farm-grown products from each nation. A special exhibit of rare antique laces and embroideries from Europe is to be shown. Other interesting exhibits will include one of leather work from France, examples of spinning and weaving from Scotland, Norway and Sweden; lace, embroideries and hand-woven linens from Switzerland; baskets and upholstery from Scotland; and pottery, rugs and baskets from British Columbia. Nor are the farm homes of our own United States to be forgotten. A special exhibit from them will show the work carried on by the Home Demonstration Clubs of the various states.

### First Lady Will Speak

The conference will be formally opened at high noon on Monday, June 1, at which time Mrs. Roosevelt will address the assembly. Lady Aberdeen of Scotland, at whose suggestion the first international meeting of this organization was held in London in 1929,

will bring greetings to this conference.

General topics scheduled for discussion by delegates at the conference are, Safer Motherhood, How Rural Women Are Meeting Their Economic Problems, Cultural Interests of Rural Homemakers, and International Relations as They Affect the Rural Home.

### To Visit Mount Vernon

Highlights of the week's program will include a pilgrimage to Mount Vernon to visit the historic mansion and to lay a wreath on the tomb of Martha Washington; a visit to the U. S. Department of Agriculture; a visit to the Bethesda Farm Women's Market, where 86 farm women sell their produce thruout the year; and visits to nearby Maryland and Virginia farm homes, and attendance at meetings of rural women's organizations.

Already 25 states have given definite assurance that there will be at least 900 delegates from rural women's organizations. There will be 100 women from overseas representing 40 different nations, and at least 25 women from Canada are planning to be in Washington for the conference. Various national and many state organizations of rural women already have appointed official delegates. Several states are planning to send a representative from each county. That should bring the total attendance close to 1,500. Will you, or some woman from your community be there?

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### THE HAY "GLIDER" Buck Rake



## Attend Field Day 500 Strong

G. R. HOWARD



Above, Smith county farmers examine pasture contouring machine, after it threw up the contour furrow in foreground. Lower scene shows the whirlwind terracer viewed in operation by several hundred Smith county farmers. The machinery was made available by Soil Conservation Service at Mankato and local farm equipment dealers.

ONE of the best farm demonstration meetings ever held in Smith county took place at the O. C. Jones farm, April 7. It was a combined soil conservation and crops day, planned by E. O. Graper, county agent. During the day nearly 500 people came to see the machinery and terracing demonstrations, listen to an agronomy program planned by L. E. Willoughby, of Kansas State College, and exchange experiences on the subject under study.

The program began with operation of the 2-row basin-lister developed at Hays Experiment Station. Experiments have proved that listing on the contour with this type of machine will hold at least a 3-inch rain without run-off. The furrows are about 6 inches deep and cover half the ground space. Little run-off can occur with a dam every 10 feet in a level furrow, and the water just doesn't get away.

O. C. Jones, the farmer, demonstrated a rotary scraper and a Cor-

sicana grader as practical implements for constructing terraces. Mr. Jones started to terrace in 1928, and at present has nearly his entire farm under soil erosion control. This farm was an ideal setting for a soil day.

Another terracing device demonstrated was the whirlwind machine. It places the earth on the terrace ridge without moving it more than once. This feat is accomplished by placing a revolving spiral auger in such position that it catches the earth as it leaves the moldboard of an ordinary plow. A 3-speed transmission driven by a power take-off from the tractor runs the auger and throws the soil on top of the terrace ridge.

Engineers from the soil conservation service at Mankato showed how their pasture lister contours furrows in pasture sod. Several dealers brought new tractors and pulled recommended tillage tools such as springtooth harrows and different types of listers.

## Harassed by Insects

(Continued from Page 3)

control of chinch bugs now. The only thing to be done is to keep them from moving into corn and sorghum fields from infested small grain. Dr. Painter observed the first movement of chinch bugs from winter hibernation to wheat fields at Manhattan, on Easter Sunday this spring. If the row-crop and small grain are separated by a reasonably wide strip of soybeans, cowpeas, clover or alfalfa the bugs will not cross in dangerous numbers, if at all. The creosote barrier has come to be recognized as a final bulwark which will turn back the bugs.

An interesting report comes from a Riley county farm where a long field of sorghum was planted alongside a similar tract of wheat. There was such a wide battle front on which the farmer had to fight the bugs which damaged the wheat, that they got across and ruined his sorghum.

### Poison Has Wide Use

Grasshoppers during last fall appeared more alarming for this year than had been the case for 4 or more years, Roger C. Smith and E. G. Kelly, college insect specialists, wrote in their report of the year. Wheat and alfalfa suffered heavy damage in many counties during the fall.

Every year hundreds of farmers join the number who have found poison bran mash an effective control measure. It may be used anytime but probably will do most good in May if little hoppers appear in large numbers, or late in the summer or fall when grown hoppers threaten young crops. Don't be discouraged because you don't see any dead hoppers. The poison doesn't kill at once. The hoppers develop thirst and may burrow into the ground or seek deep shade where they die.

You can help cut down the crop of "millers" which drive even hungry field hands from the evening table, if you poison the army cutworms in the alfalfa field, and new growing corn. E. G. Kelly suggests this procedure in

the hay field: "Windrow all the hay during the afternoon, and let it lie there all night so the cutworms will have a nice place to hide early the next morning. Then take off the hay and late in the afternoon scatter poison bran mash where the windrows were. This will get the cutworms as they feed at night."

The fall army worm can be killed by poison bran mash made with Paris green. As much as 99 per cent reduction with one sowing of mash has been obtained in 48 hours, report George A. Dean and Roger C. Smith, in the 29th biennial report of the State Board of Agriculture.

### Have Pests Identified

If pea aphids should attack your alfalfa in late April or May, don't be surprised when you find the common lady beetle or ladybug out there helping themselves to the aphids. For this is what the ladybugs and their larva do. The big pea aphid outbreak of April 1934, was checked by large numbers of ladybugs which fed on the aphids.

It is estimated the corn ear worm caused injury to 99 per cent of the corn in Riley county in 1935. Smith and Kelly in their report of damage for Kansas, said "there was scarcely an ear of corn produced in the state which did not show some damage by ear worms." Thus far no method of control is known.

Other insects may appear to "heckle" us and damage or threaten our field crops. Those mentioned are the worst in prospect now. If others appear, ask Kansas Farmer for information. If you can't identify them take a few samples to your county agent or send them to the Entomology Department, Kansas State College. The most good can be done if strange insects are sent in as soon as they are noticed. In this way more can be done to control our dangerous insect enemies, and our insect specialists can do much more to solve our growing insect problems.

## Here Are the Answers to the Questions You've Asked

### ... on "Why Should I Read The Topeka Daily Capital?"

**Does it have a good SUNDAY PAPER?**

Yes, sir! A big 6-page funny paper and all the trimmings.

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Nearly 1,500 miles of motor delivery routes enable the entire central part of Kansas to receive early delivery of late editions.

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The Daily Capital has a later press time than any paper serving central and northwestern Kansas; this is supplemented by news flashes over the Capper radio station, WIBW.

**Are the markets COMPLETE?**

Closing markets each day on six principal livestock markets and 10 miscellaneous farm produce markets.

**Does The Daily Capital carry LOCAL NEWS?**

A page of local Kansas news daily and two pages on Sunday. Many Kansas stories besides these.

**Are there NEWS PICTURES in The Daily Capital?**

A picture page every Sunday and several on every page each day.

**What are the leading EDITORIAL FEATURES of The Daily Capital?**

Editorial cartoons by Herblock, Peggy of the Flint Hills, Grass Roots by E. E. Kelley, "The Curious World," and many others.

**Are BOX SCORES given on baseball?**

Yes, on all principal games; summaries given on "semi-pro" games.

**Does The Daily Capital have SPECIAL CORRESPONDENTS?**

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## The Topeka Daily Capital

The Newspaper of Kansas, Morning and Sunday



## Club Girl Many Times a Winner

Enroll at Once for 1936 Club Contests

J. M. PARKS  
Manager, Capper Clubs



Marjorie Williams is shown here, wearing the blue wool suit which tied for first prize in the Capper Club contest for 1935, and placed second in the 4-H Club Style Revue at Hutchinson. Senator Capper, founder of the Capper Clubs, is pictured with her.

**A**N EXCELLENT example of what can be gained by any boy or girl thru their own efforts, in simple, everyday activities, is provided by Marjorie Williams, Marysville, 19, who is a typical farm girl. Marjorie lives with her parents, Mr. and Mrs. Frank Williams, and at present is attending Kansas State College, Manhattan. This girl has been a member of the Capper Clubs since she was 10 years old, and has been a consistent winner of prizes in the club. For 6 consecutive years she raised baby chicks which were awarded prizes in the Poultry Department of the Capper Clubs. Along with the baby-chick program, she carried the 4-year course in sewing and for 2 years she also entered a dairy calf as her project.

Aside from the fact that this busy club girl had a full program in caring for her projects, she also carried a course in leadership and baking in the local 4-H Club, was vice-president of the Capper and 4-H club for 2 years, club reporter for the club paper, and last year she had the leadership of 19 boys and girls in her community.

This girl, who was an outstanding Capper Club member for the 8 years in which she was active in club work,

also was busy with outside activities, which might have taken up any average girl's time. But Marjorie found time to do everything well that she undertook. She gave cooking demonstrations at fairs, won a trip to the American Royal in 1929, a trip to the Kansas Free Fair in 1931, received the Union Pacific scholarship of \$100 in 1934, and was the health contestant at the 4-H Club Round-Up in 1935.

It might seem that everything Marjorie did turned out right, but that is not a fact, for she had many handicaps and setbacks. It was the determination to win and the will to stay in the race and fight for high ideals, that brought her to the top. We have faith that with the right amount of determination, any club member can climb to the top of the ladder.

It is evident that there are a good number of girls and boys this year who are going to make the supreme effort in the Capper Clubs. We will be very happy to enroll you with this year's club folks if you wish to join with us. Simply fill in and return the club application blank and we will see that you are entered immediately. It's lots of fun to be a Capper Club member! Ask anyone who is a member!

### Capper Clubs Application

I HEREBY make application as a representative of ..... county in the Capper Clubs. I am interested in the department checked: Baby Chicks ( ) Small Pen ( ) Gilt ( ) Sow and Litter ( ) Beef Calf ( ) Dairy Calf ( ) Sewing—1st year ( ) 2nd year ( ) 3rd year ( ) 4th year ( ) Bee ( ) Farm Flock ( )

I will carefully follow all instructions concerning the club work and will comply with the contest rules. I promise to read articles concerning club work in Kansas Farmer and The Club News, and will make every effort to acquire information concerning my contest entry.

Name ..... Age .....

Approved ..... (Parent or Guardian)

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

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

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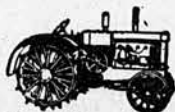


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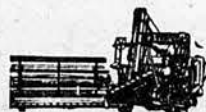
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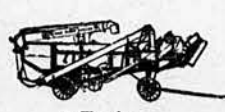
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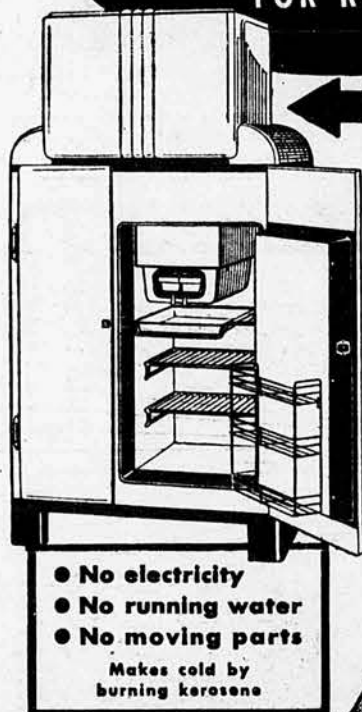
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## PROTECTIVE SERVICE

### The Horse Thief Has Come Back

J. M. PARKS  
Manager, Kansas Farmer Protective Service

**A**N ACT common in pioneer days was performed on the posted farm of F. B. Stoskopf, R. 1, Hoisington, recently when a bay mare was hauled off by a thief. Mr. Stoskopf, however, had lost none of the pioneer's dislike for horse thieves, so an arrest followed a day or so later. Part of the credit for the capture was given to Sheriff Bill Murdy and other members of the Stoskopf family. Glenn Brabek was convicted of the theft and given an indefinite sentence in the state penitentiary. A \$25 reward was paid by Kansas Farmer to Mr. Stoskopf. The theft of livestock, including cattle and hogs, as well as horses, has become much more common since the advance in prices. It is going to take closer co-operation between farmers and local officers to put thieves out of business.

#### Radio Out-Did Wild Driver

**T**WO men, who stole a car from A. H. Miller, R. 3, Alma, on December 28, evidently thought they could run away from their crime in short order. What they did was to wreck the car near Dwight. In the meantime, Mr. Miller had reported the theft to Sheriff McCaulley, Wabunsee county who, in turn, called up WIBW, Copper Publications Radio Station, Topeka, over which the news of the theft was sent to all parts of the state. Deputy Sheriff Harold J. Fisher, Dwight, heard the broadcast and had the thieves, Dale Baldwin and Frank Kelley, under arrest a few minutes later. Prompt report to the sheriff, and wide-spread publicity, by means of radio, are two features which cannot be overlooked in our efforts to curb thievery. For this excellent achievement by Miller, Fisher and McCaulley, the Kansas Farmer Protective Service was glad to pay a \$25 reward, which was shared equally among the three.

#### Thief Made Two Bad Guesses

**A**NY thief who steals from a Protective Service member is putting himself in line for a trip to prison. But, when he goes further and doubles the offense by stealing from two Service members, he will not be long in regretting it as Sam Holt and Otis Harrison found out when they stole harness from posted farms belonging to Jake Sattler, of Reading, and W. J. Joy, Emporia. For the theft of three sets of harness from these two men, the two thieves now are serving indefinite terms in the state penitentiary. A \$25 reward, paid by Kansas Farmer, was distributed equally among Sattler, Joy and Sheriff Roy E. Davis, Emporia, who made the arrest.

#### Lost to Farmer in Race

**N**O REFEREE was needed to decide who was the winner in the race that took place on the farm of Edgar M. Hansen, Sedgwick, when he ran down a chicken thief recently. Hansen said he heard a car pass by his house three times one night, within an hour. This aroused his suspicion. He pursued the mysterious car, called on the driver to stop and when he did not, there was nothing to do but find out who was the speedier of the two. When the fleeing car ran into a ditch, Hansen, single-handed, captured one of the thieves. The sheriff's office of Sedgwick county was called. Deputies Harve Dewey, Al Bertrand and George Duncan assisted in capturing the second criminal. The two offenders, C. R. Williams and Sheridan Claybourne, were convicted and given 60-day sentences in the Sedgwick county jail. A \$25 reward, paid by Kansas Farmer, was distributed among Harve Dewey, Al Bertrand, George Duncan and Service Member Hansen.

#### Good Thing She Reported

**L**ACK of an important clue did not keep Mrs. J. W. Floyd, Parsons, from reporting to officers when 30 of her Barred Rock chickens were stolen on February 13. She figured that altho she didn't have much information to supply, she could at least tell W. C. Miller, chief of police, Parsons, that a crime had been committed. Just as often happens—with peace officers, Chief Miller said, "We have been

watching certain suspicious characters and what you have told us may help solve a number of thefts. It did. For soon after the report, Wilford Kendall and Wayne Soles were arrested and 14 of the Floyd chickens were recovered. After being proved guilty, each was given not to exceed 5 years in the State Reformatory at Hutchinson. Mrs. Floyd recommended that \$10 of the \$25 reward paid by Kansas Farmer be sent to Chief of Police Miller.

#### Stolen Cow to Chicago

**A** FEW hours delay in starting an investigation, when a cow was stolen from his farm recently might have kept Theodore R. Gooch, Hugoton, from recovering his property and capturing the thief. By the help of the sheriffs' offices of Stevens and Sedgwick counties, Gooch traced the cow thru community sales, a Wichita commission house and on to a Chicago packing house. Orders were given for the animal to be held until a further check-up could be made. An investigation resulted in the conviction and indefinite sentence to the state penitentiary of Alex J. Hill. A \$25 Protective Service reward was divided between Service Member Gooch and Deputy Sheriff Flummerfelt, Hugoton.

Payment of the foregoing rewards brings the amount paid out by the Kansas Farmer Protective Service up to \$23,325 for conviction of 917 thieves.

#### His Mules Look Good

**Y**OUNG mules look like a good investment to Charles Norris, Valley Falls. He has a lot of 2-year-olds, and 14 "weaners." They have been wintered on cane hay, oats and alfalfa hay. He said they like the cane hay best of all because of its juicy stalks.



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**N**O PLACE will a proved sire make his breeding known as he will in a dairy herd. The get of a beef bull or a boar can be determined with a fair degree of accuracy when the young is born. But a dairy bull's get is at least 3 years old before there is any sure record to go by, and then only the heifers are known. His sons must be sires before they prove themselves.

However, once a check is obtained on a dairy sire it is a sure one. If his daughters produce heavily he is worth a great deal, if they fail he is of little value. Thru bull associations, small dairy farmers can afford to own and have the use of a proved bull. Several experiment stations place young bulls of excellent breeding out in farmers' herds on trial, free of charge, if the farmers will keep records on the bulls' daughters. When a bull proves to be a real sire he is brought in for use in the experimental herd. R. E. Parcel, Coldwater, has a bull from the Oklahoma station on this agreement.

### High and Low Milk Points

**W**HEN does a cow give the most milk? Kansas State College dairymen have done some looking into this matter. Their findings may change Sunflower state feeding practices somewhat.

June has been the high point in milk production and September the low point, in every one of the last 6 years. Grain feeding and winter grazing bring milk flow up again from September to spring. Dairy income rises and falls with the flow of milk, too. If we provide good pasture from June to September by planting drouth-resistant crops, we can hold dairy profits up thru the summer. Feeding some grain and hay thru the summer grazing season will keep up the cow's condition and make her milk heavier.

### Easy to Dehorn Calves

**D**AIRY calves may be easily and painlessly dehorned. Clip the hair over the horn and apply caustic soda until a red spot about as big as a dime appears. If horns have to be clipped, this is a good time. If done much later, slow healing sores may be infested with flies. Use the caustic soda carefully!

### Check the Cream Test

**A** GOOD butterfat test for winter is 35 per cent. When the weather gets warm in the spring it will pay to adjust the separator so the test will be about 40 per cent. This makes the cream handle better and churn or whip easily.

### Can't Wreck This Rack

**H**IS cattle kept pushing in the sides of his hay bunks, so W. V. Stutz, Utica, out-smarted them. He noticed a cow always pushes with her withers, not with her brisket. If he could keep their withers from reaching the bunk he could stop the trouble. He built the lower part of the bunk the same as usual with the planks nailed to the outside. Then the gap for cattle to reach thru, but put the plank above, on which they always pushed, inside of the uprights. This threw it in just far enough so the cows couldn't push on it, but still it prevented jumping thru. With the exception of this one plank the others on the upper side were nailed to the outside of the uprights.

### Jobs That Will Not Wait

**D**OCKING and castrating lambs may be done when they are 9 or 10 days old. These jobs can't be put off long because lambs go to market at an earlier age than any other kind of farm livestock, except veal calves. Docking is done by cutting the tail off close to the body with a red hot chisel or clippers. The tail is thrust thru a hole in a board, fixed in any convenient manner to do the job. A board may be nailed in an up-and-down position on the side of a block and the hole bored just at the top of the block. Then the tail is pulled thru and cut off with the hot chisel on the wooden block. A board is

safe in order to keep from burning the lamb. Docking prevents infestation of the lamb's rear quarters by maggots. In castrating the lower third of the scrotum is cut off and then well disinfected after castration.

### Wild Oats Good for Cattle

**W**ILD oats usually isn't considered a very good pasture grass and has rather a bad name, but there is a little good in most plants. L. J. Blythe, White City cattleman, found his cows got fat rapidly on wild oats growing in his pastures last spring. There was virtually no bluestem growing when he first started pasturing, but he said he never had seen stock gain weight so rapidly. Mr. Blythe has one pasture which has a wonderful stand of bluestem, and it has improved this season. Another which was burned before the 1934 drouth, is thin and weedy, but will return to normal in a few years with light grazing. He has 230 head of cattle on 1,270 acres, while better grass carries twice this much stock. His pastures are in Morris county.

### Good Stallion Points

**T**HE kind of draft stallion to patronize is one which is sound, of good type, 1,600 to 2,000 pounds in weight, and the possessor of good feet and legs. Don't breed to horses with crooked legs, small feet, light bones, or bony growth around heels, pasterns or joints.

### Easier on the Orphan Calf

**A**N ORPHAN beef calf can be raised easiest on another cow. Put the extra calf on a cow that is a reasonably heavy milker and let her raise two calves. If the calf is pail-fed start him on whole milk and gradually taper off to skimmilk by the time he is 4 or 5 weeks old.

Corn is the best grain for a calf getting skimmilk. If milk is scarce it can be gradually replaced with calf meal gruels. A good mix is 50 parts by weight of finely ground corn, 15 parts linseed meal, 15 parts finely ground oats, 10 parts dried blood flour, 10 parts dry skimmilk and 1/2 part salt.



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# Anse Calls on Peter at Night

HONEYMOON WIFE  
By AGNES LOUISE PROVOST  
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SPRING slipped into summer. Mavis had not yet caught even a distant glimpse of Anse, nor anyone else from the Hill Road. Sometimes she felt a stir of regret about Anse, who had been good to her in his way, but on the whole it was a relief. Life had not been happy there, and the memory of Ceely's strident vituperation was a degrading thing. She could never go back now, no matter what happened to her.

Other interests sent the Hill Road into a dim background. There was a wedding in August, a church wedding, and one of the events of Fairfield's tranquil year. The bride was one of Vee's cousins, and Vee was a bridesmaid.

Mavis heard an approving murmur as she passed under the canopy with Peter, and caught an excited comment on her gown. Miss Anne Craig was with them, a tiny grand duchess in mauve and old diamonds, and Derek had come in just back of them, looking, if anything, rather handsomer than usual. With him was de Mara, very sleek and correct. Mavis had a momentary sense of surprise that de Mara should be here, and then she forgot him in other things. The busy young ushers, the odor of flowers, rows on rows of people, many of whom she knew, the stir of expectancy, the swelling notes of the organ. Something in her throat hurt as the slowly pacing procession came into view, with its small demure flower girls, its rainbow of bridesmaids, Vee the loveliest of them all, and a vision in bridal white on the arm of her father, moving toward the dark-eyed boy who waited for her.

WHAT was it like to be married that way? With music and beauty and love? She saw a strip of lonely road, pallid in early dawn, dark woods crowding close, a black-browed man with a rifle, a sharp-faced woman who sneered and exulted, a sullen man who stood beside her in arrogant distaste and muttered grudging vows. She wondered whether Derek was thinking of it too. A steady voice came, clear toned responses, and then the triumph of music. It was over, and she was going out with Peter.

She was glad to be outside again, glad even that dear Aunt Anne had discovered old friends and was leaving in their car. It would be nice to be alone with Peter. Motors lined the curb, moved steadily up and shot down the street again. Derek appeared at her elbow, with de Mara following him. Like a shadow, Derek leaned forward to say something, stiffened and stared, and gripped her arm warningly.

Down the street a creaking farm wagon came, drawn by plodding mules. It was a rough wagon, meant for rough work, and the man who drove was rough also, a black-browed giant who slouched forward over slackly held reins and looked broodingly at the road ahead of him. Somebody laughed. Mavis quivered. Her chin lifted, and she looked straight at Anse. The grip of Derek's hand was cruel.

The plodding mules came on. Anse Culver's slow gaze turned toward the group on the curb, held, and turned away again, stolidly expressionless. Mavis caught her breath; a half smile faded.

PETER was helping her into the car. She sank back in her seat, slowly rubbing her arm. "He didn't want to speak," she said in a bitter voice. "He thought I would be ashamed."

"He thought it would be better," Peter tried to reassure her. "Anse does things in his own way."

She shook her head. "It's the same thing. He thought I would be ashamed."

The bitter note was still there. Peter said no more. He ached to comfort her, but she would have to fight that out for herself. Unless Anse took a hand.

Back of them Derek strode hurriedly to his own car. De Mara, following him, sent another curious glance after the disappearing farm wagon with the hulking backwoodsman on the seat. There had been something decidedly queer about all the Craigs when that unimportant looking vehicle had passed.

That night a motionless figure stood where the shadows were deep and watched the windows of Peter Craig's house.

No curtains were drawn on the garden side. He saw figures moving and heard pleasantly modulated voices. A servant came and went, a little old lady, as fragile as china, arose and said good night, and Peter Craig came promptly to his feet and held a curtain aside for her to pass. A young girl, graceful and lovely, came presently to the open door and stood looking out at the dark garden. The look brooded on it with a sort of passionate tenderness. She wore some gleaming pale thing that was like moonlight on water, and her round young arms were bare.

Peter came and joined her. She smiled up at him

without words, and they stood there silently for a while, looking at the garden swathed in night. It was a pulsating silence. Peter stood a little back of her, so near that her arm grazed his coat. He looked down at the little dark head just level with his shoulder, at the tempting nape of her neck, sweet and firm. He bent slightly, but straightened abruptly without touching her.

She stirred. The watcher heard low words.

"I think I shall go up. Good night, Peter."

"Good night, my dear."

SHE slipped away like a fugitive moonbeam. He moved aside to let her pass, and looked after her. When she had gone he went back into the room and dropped into a chair, leaning forward with his hands thrust in his hair.

Lights appeared upstairs. Peter still sat there. Outside a shadow detached itself from other shadows and moved across the garden. Peter looked up to see a looming figure in the doorway.

"You can have the land," said Anse Culver's deep voice. "I'm ready to sell."

He came forward into the light, a dark, forbidding figure, roughly dressed and dust powdered from his long tramp.

"I'm movin'," he said. "Out West."

Only a passing flicker had betrayed Peter's surprise at this unexpected visit, but he shot a keener look at Anse now.

"And Mavis?"

"I'm trustin' her to you. I've been watchin' you, and the other one too. It's not the first time I've come."

"I've taken her as a trust," said Peter quietly, but a cold feeling crept to the roots of his hair as he thought of Anse watching ominously from some dark background, and Derek in his present reckless moods. "She saw you today," he added. "She wanted to speak to you. I think she wants to come out and see you—if you wish her to come."

"Best let sleeping dogs lie. What's done is done, and her way lies with you." He looked somberly around the room again. "I drove her out in shame," he added darkly. "I was wrong. But it will come right in your hands."

"I think she is going back to him," said Peter abruptly.

"She'll not go back." The words came out with the fatalistic solemnity that marked Anse's speech. "And you'll not drive her to him. That's my last word. You can get the papers ready for the land. I'll sign."

He turned as abruptly as he had come, bent his tall head for the doorway and melted into darkness again.

When Anse Culver was gone, another figure squirmed carefully away from a post of vantage near an open window. George de Mara had seen and heard, but the discovery of another watcher had given him a bad scare, and cramped muscles attested to the caution with which he had crouched in the shadow of the oleander, barely breathing. He stretched

them now, avoiding the tiniest branch that might rustle, slipped away a little further and watched a dim figure striding over the dark fields. Even in that shadowed distance Anse's huge figure looked menacing.

An interesting relation-in-law for the high-nosed Craigs! Queer thing he had said, too, about her not going back to Derek. A pretty explosion that would make if Derek knew.

"Whoever you are, I'm glad you're going," he reflected pleasantly. "The Pacific ocean is none too far west to suit me. If anything should happen, you'd be a nasty brute to have around."

HE STRETCHED again, luxuriously, and made his cat-like way down the garden toward the river. It had been a fruitful evening and he had picked up some interesting bits, but the betraying evidence that he had come to find had not been there.

De Mara was no believer in innocence. It was incredible to him that a man would hold the woman he loved in such intimate keeping, in trust for another man. He had come, evil eyed, to watch for evil; he had found a situation so quixotically idyllic that it almost bored him.

He grinned as he slid into a canoe moored in shadow, and began to paddle his noiseless way back to Bellaire.

"Peter's a fool," he reflected cynically. "The girl's crazy about him. . . . She's got queer relations,

anyway. I think I'll take some innocent little rides around the country and trail 'em down. Every little bit helps."

Upstairs Mavis sat by a darkened window. She was wakeful tonight. The incident of the afternoon had stirred her, sending little whispers of reproach rustling thru her mind.

She raised her head suddenly, and Anse was erased from her mind. Something had caught her attention down in the quiet garden. There was no sound, only a movement, too shadowy to have definite form. Her eyes focused on it sharply; she shrank back, aware that her negligee must make a light patch against the window.

It was dark down there tonight. There was no moon, the sky was partly clouded, and the only light that there was spilled faintly golden from the windows of the room where she had left Peter.

PETER! A suffocating fear clutched at her throat. That slight thread of movement was going away from that room, toward the river. I moved with increasing quickness, keeping always in the shadow. She threw open her door and raced downstairs.

"Peter! Peter! Where are you?"

Peter sprang from his chair, tore a door open.

"What is it? What's happened?"

"Oh! . . . I was afraid—"

She stopped, laughing hysterically from sheer relief, but Peter had covered the distance between them.

"What frightened you?" he demanded. "Tell me!"

He caught her in his arms, and they tightened. For a few racing seconds she lay against him, trembling, her face hidden against his coat. Then she stirred, and he let her go.

"There was a man," she said unsteadily, "in the garden. I saw him from my window, hurrying away from the house. And everything was so still down here. I was afraid . . ."

She shuddered, and sent a nervous glance toward the quiet darkness outside. Peter looked at her oddly. "I'm sorry you were frightened. There was a man here, but he came to see me on business. Probably he was taking a short cut home."

Who would come on business at this hour? Peter was holding something back. But she felt rebuffed, and ashamed of her fears.

"It was silly of me. Since it's nothing awful, I'll go back."

"Nothing awful at all. I'll tell you about it some day." He went as far as the stairs with her.

"You're sure it's all right now?"

"Perfectly! False alarm." She laughed and dismissed it. "Good night, Peter. This is positively my last appearance."

A mood had passed. He waited until he heard her door close, and then went restlessly back to the room they had left.

He had held her against his heart, palpitating, for a space of jealous seconds. Only seconds. And then, as always, he had let her go. He laughed shortly, under his breath, and rang for Jim.

"You may close up for the night Jim. I'm turning in."

Luck was still kind to George de Mara. It did not occur to Peter that the shadowy man in the garden could have been anyone but Anse.

It was no unusual thing in these days for half a dozen cars to line up along Peter's drive. The Gables had become a gathering place for the younger set, where everybody came sooner or later, and one was sure to meet people one knew. The only one who had not yet been there was George de Mara, and he was growing annoyed at an exclusion which would soon be conspicuous.

THEY were there in force this afternoon, figures in light gowns and summer flannels moving here and there, an interested gallery down by Peter's new tennis court, where a smashing game was going on, and a scattering group nearer the house, where refreshment was to be had.

When the set was finished Peter strolled up and joined them, leaning muscular brown arms on the back of the stone settee where Mavis sat, listening to a light cross-fire of voices. Somebody was arguing for a country club and golf course, and Monty Bates was eloquently supporting him. Poor Monty had bolstered up dwindling resources for years with the hope that some day he could sell his once fine old place for this purpose. A demure little brunette—another Armitage cousin—promptly took the other side, for the fun of worrying Monty.

"Oh, but that would take so much money, and subscriptions and things. Have you ever tried to raise subscriptions in Fairfield? I'd rather have a hunt club. Not that I want to hunt anything, but I do look nice in riding clothes."

Other voices took it up, chaffing or approving. A new one broke in, cool but urbane.

"That's the best idea yet. This ought to be a good hunting country, although some of your back sections are a little rough for cross-country riding."

Peter straightened up and half turned. So de Mara had invited himself here and was at his favorite occupation of appearing out of nowhere with his cat-like tread. Peter knew it was ridiculous to be suspicious of everything the man did, and yet somehow the harmless words "back sections" had caught his attention.

(Continued on Page 26)

## What Has Happened So Far

Accident brought Derek Craig and Mavis Culver together. Anse Culver ordered Derek not to see his sister again. There are secret meetings. Derek's stay at Bellaire is enforced by Old Peter Craig's will; also he must not marry until he is twenty-eight, or cousin Peter gets the estate. Returning from a stolen trip to the city, Derek and Mavis are surprised by Anse, who forces them to marry. Derek accuses cousin Peter of plotting his ruin and leaves Mavis at Peter's house. Monty Bates calls and to prevent him spreading scandal, Peter introduces Mavis as his wife. Aunt Anne Craig's help is enlisted to carry out Peter's plan of Mavis posing as his wife. Later Derek is astounded with news that Peter is taking Mavis on a honeymoon trip. After a year's absence they return, and meet Derek at a party. Next day Derek tries to see Mavis—and succeeds. Later Peter takes a strange trip. And returns to find Mavis in Derek's apartment—and in his arms. Then Peter and Mavis come home to Fairfield. And de Mara starts blackmailing Derek.



## Made Room for More Cows

R. C. McCOLLUM

BEFORE I bought my tractor outfit, which consists of a 14-inch gang-plow and a 7-foot tandem disk-harrow, I had to keep 6 horses to operate my 126-acre farm. Now I keep only one team. I could plow only 4 acres a day with 4 horses, or disk 10 acres a day. Then the extra team which was used on a section harrow required a hired man to drive it. With my 10-20 tractor, I plow 8 acres a day or disk 25 acres, and pull a 9-foot section harrow behind the disk. All my land is plowed and made ready for drill or planter with the tractor, using an average of 18 gallons of kerosene for fuel a day at a cost of \$1.35 for fuel and 3 quarts of lubricating oil a day at a cost of 34½ cents, making a total of \$1.67½ for fuel and oil and a few cents for hard oil. The tractor requires no attention

when not in use, and no expense except for depreciation and interest on my investment.

I use the tractor for many odd jobs, such as pulling stumps, cleaning out fence rows, pulling my spray rig, running the wheat binder, pulling the manure spreader, and hauling and spreading limestone. I haul 18 tons of lime 2 miles and spread it in less than 10 hours, with the help of two men. Then I use the tractor for belt work pulling a hammer mill to grind feed, fanning mill and wood saw. I sold 4 horses when the tractor was bought, and bought 4 extra milk cows. If I had to return to horses entirely, I would quit farming.

### Offered 30,000 Acres

OFFERS of land owners in Northeastern Kansas to sell farm land thru the Resettlement Administration will be received until the close of busi-

ness on May 15, according to Floyd H. Lynn, Resettlement community manager. Offers may be sent to 319 Federal building, Topeka. Up to April 15, some 30,000 acres of land had been offered for sale.

### Improve Big Row Weeder

FOUR-ROW disk-cultivators or "curlers" for weeding corn now are common equipment with tractors. And the new machines are far-improved over those which came out 10 years ago. The individual weeders run side by side on a close hitch to the tractor. They are swung on rollers so they can swing wide or close and still follow the furrow directly forward. Some makes have bearings on each side of the wheel, with dust proof construction. The shovels and disks are balanced so that 4 or 5-row outfits can be controlled from the tractor seat by means of one long lever.

## Three Ways With Sorghums

A. L. CLAPP

IF A PLANTER is not available for nosing-out furrows when planting sorghums, there are three ways which might be used in Kansas. Shallow blank-listing, followed by listing in the furrows. This does not put the seed in warm soil. Land may be listed deep, the ridges worked down and then furrows nosed out with a lister, but trouble is had getting the lays to scour unless soil is sandy. The third, and perhaps best, method of planting with a lister is to blank-list, level off, and then plant cross-wise of the old furrows. It is very necessary to have press wheels on the lister. Sorghums are not planted until warm weather, and soil dries out rapidly then. Press wheels will pack soil around the seed, and start germination quickly.

# Poultry Raisers

## WHY

### It Pays to Feed HEN-DINE

A composite picture of actual feeding tests—conducted by practical poultrymen with HEN-DINE checked against identical lots fed Oyster Shell—show these startling results:

One 100-lb. bag of Hen-Dine (30-day supply for 300 hens) produced 72 additional eggs—at 20c doz.....\$1.20  
Improved shells (reduced cracks, etc.)......60  
3 doz. eggs at 20c......3.00  
The lives of 2 hens saved.....\$4.80

Cost of 100-lb. bag of Hen-Dine over shells......75

Actual net cash profit from Hen-Dine.....\$4.05

What Hen-Dine has done for others, it will do for you. Read our Money-back Guarantee on every bag.

## Chick-Dine

FOR BABY CHICKS

Start your baby chicks right by feeding Chick-Dine. It builds stronger chicks—assures greater livability. Chick-Dine is the same analysis as Hen-Dine but screened for baby chicks. Packed in 5 and 25-lb. bags. Full directions on each bag.

## HERE IS WHAT THE NEW IODIZED CALCIUM DISCOVERY

# Hen-Dine

*Will do for your Flock!*

1

**Increase Egg Production.** Hen-Dine has increased egg production—over the check groups—on an average of from 15 to 20%. One poultryman, getting 70% egg production, increased his egg yield to 75.5%!

2

**Make Hard, More Uniform Shells.** Hen-Dine, which more than takes the place of oyster shell, combines instantly soluble calcium and iodine in proper balance. Tests prove Hen-Dine-fed hens produce hard, uniform-shell eggs.

3

**Increase Livability and Thrift.** Hen-Dine-fed birds—in every test—had lower mortality, greater pep, and were more thrifty in appearance. Eggs laid by Hen-Dine-fed hens produced better hatches, stronger chicks.

### Increase Your Poultry Profits RIGHT AWAY

You don't have to wait for months to see the improvement Hen-Dine will make in your flock. No, indeed! Within a very short time—two or three weeks, as a rule—Hen-Dine will show amazing results in your flock.

### Practical Poultrymen Recommend Hen-Dine

How well Hen-Dine has produced is proved by tests conducted by practical poultrymen. For instance, one nationally known poultryman writes: "Within one week after receiving Hen-Dine, my birds increased egg production between 15 and 20% and held this increase while still molt-

ing. Hen-Dine is the best investment I have made in years."

Startling decreases in mortality... no more soft or thin shells... eggs of smoothest texture... increased appetites... much more pep... are just a few other facts reported by Hen-Dine users.

Hen-Dine, which comes in 100-lb. white bags, can be identified by the red band around the top and bottom. Start feeding Hen-Dine to your chickens at once! Every bag carries a money-back guarantee.

**Calcium Carbonate Company**  
43 East Ohio St., Chicago, Ill.

## KANSAS HEN-DINE DEALERS

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If your dealer's name does not appear in this list, write us at once for valuable free poultry feeding booklet. Also send us the name and address of your dealer.



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First in the State and probably the first in the U. S. to mate to produce crossbreeds or Hybrid sex guaranteed cockerels and pullets. Also highest quality Standard breeds sexed or unsexed. All birds handled by a licensed A. P. A. Judge. Free catalog.

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C. O. D. SPECIAL 700 PLANTS \$1.00. Cabbage, onions, tomatoes, pepper, eggplant, cauliflower, broccoli, brussels sprouts, celery, collards. Mixed any way wanted, 1,000—\$1.25; 5,000—\$5.00. Satisfaction guaranteed. Reliable Plant Co., Ponta, Texas.

WE OFFER FINE QUALITY, RECLEANED Texas grown Hegari, Kafir and Sudan. Sudan \$4.00 per cwt. sacked. Hegari \$2.40 per cwt. sacked. Kafir \$2.40 per cwt. sacked. All tests 85% or better. Wamego Seed & Elevator Co., Wamego, Kan.

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NANCY HALL AND PORTORICAN SWEET Potato plants. Large, healthy, packed 100 in each bunch; full count, fresh plants, shipped same day order received, guaranteed safe delivery. McCaleb Plant Farm, Gleason, Tenn.

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

FREE BOOK ON MINNESOTA, NORTH D



# Anse Calls on Peter at Night

(Continued from Page 22)

The saturnine young man was loitering slightly in the background with Derek, who looked not altogether at ease. Peter said "Hello" to Derek and nodded civilly to de Mara. Mavis smiled slightly at both of them; her finger tips moved a little on the arm of the stone seat. De Mara's assured tones went on.

"There's really an astonishing lot of wild country back of the town. I tried to take a short cut this morning and got completely lost. There was one road in particular that seemed shut off from all the rest of the world. Just a few starved looking farms here and there, and the rest wild. Moonshiners, I suppose. They raise a suspicious lot of corn for the size of the farms."

De Mara's voice had a penetrating quality. Others stopped to listen. Derek moved uneasily. Peter's eyes were fixed contemplatively on his uninvited guest. "Most of that corn goes to the feed mill at Harney's Corners. You won't find any big stills around here. We don't compete with bootleggers."

De Mara's nerves tightened warily. Had Peter been sleuthing around? There had been an unfortunate transaction that de Mara was the last man to want traced. An ugly glint came into his black eyes.

"Too bad," he said carelessly. "But this place—"

"You probably were on the Hill Road," Monty Bates interrupted importantly. He hated to be left out of a conversation. "We are not proud of it, Mr. de Mara. It is one of those straggling settlements of poor whites that you will find in some backwoods districts. A surly and shiftless tribe. The place is a disgrace to the community—"

"Oh, it's not so bad," George cut in with a slight air of patronage. "It's rough and isolated, of course, but there's some very decent scenery, outside of the houses. Crude, but rather romantic. You ought to get Peter to drive you out there some day, Mrs. Craig. You might find it intensely interesting."

He had strolled aimlessly around until he faced Mavis, addressing his remarks to her. The movement was casual and his face blandly innocent; only three people could catch the veiled insolence.

Her fingers tightened on the arm of the settee. They had been clutching it from the beginning of Monty's sweeping condemnation, but now the knuckles stood out white. She lifted her head, slightly but proudly, and looked de Mara straight in his somewhat beady eyes.

"I am quite familiar with the Hill Road, Mr. de Mara. I was born there."

Quiet and clear, her voice carried to the far edge of the scattered group. Heads jerked quickly; astounded glances signaled and replied. Mavis Craig one of those awful Hill Road people! No wonder the marriage had been so mysterious! Derek's face was scarlet. Monty Bates had a stricken look. Even Nancy's blue eyes shot open to their widest capacity. Mavis sat quiet and composed, with a slightly deepened color in her cheeks, her lip faintly curled. Let them cast her out if they wanted to!

Peter's voice cut in, unruffled and drawing.

"I know that road rather well myself. That was where I first saw Mrs. Craig. I was trying to persuade her brother to sell me some land that I coveted."

"Ah—indeed—er—really, Peter, you don't say so!" Monty Bates seized frantically on a straw which might save a horrible situation. "Buying land there? Do you mean to tell me that you've been back of all these mysterious transfers that I've been hearing about?"

Monty stuttered and gabbled, acutely miserable over his appalling blunder. It had been ghastly. He liked Peter's young wife; he really did. But who could possibly have imagined such a thing? Peter saved him.

"It is quite simple. There are some fine mineral springs up there and we are going to turn the Hill Road into a winter resort."

Monty gurgled feebly, but Peter had turned the tide of attention. Mavis sent a grateful glance at him, and Peter smiled back at her, and then became brisk and practical.

"I have had my eye on the Hill Road section for a long time. It has a great

natural beauty, as Mr. de Mara says." He looked at de Mara with a coldly thoughtful eye as he said it. "I always felt that it had possibilities, and after I discovered the mineral springs I organized a company, and we have been quietly picking up land ever since. We couldn't get very far until Mrs. Craig's brother was willing to sell, because his land was the key to the whole situation, in fact, the springs were on it, but now that he has come over to our way of thinking, we're ready to go ahead."

He looked down at Mavis again, sensing her inner quiver at the things she was hearing for the first time. She was listening quietly, lashes drooped softly against her cheeks.

"The hotel will go up just this side of the sharp turn, where there is a forty mile view on a clear day. And there will be cottages, and the baths and a casino. The usual stuff. Golf links, of course, but they will have to be lower down. Your place might be a good location for that, Monty. I'd like to talk it over with you some day."

"Any day you please, Peter," Monty clutched at it. "I'll come over tomorrow. I can come around tonight. Why, Peter, this will be an immense thing for Fairfield, just what the town needs. Property will go up, business will flourish. We ought to have a new railway station, and some better shops. Those people spend money like water!"

Monty lost some of his confusion. Peter nodded assent. All around them a chatter of relieved comment had broken loose, but a distant growl caught it midway.

"Oh, that's thunder! We'll have to hurry."

It was not so menacing that there was need for haste, but it was a chance to escape from a situation still awkward. There were hurried leavetakings. Mavis wondered how many of them would wish to see her again.

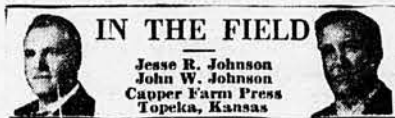
(To Be Continued)

## Train Colt's Feet Early

THERE is a lot of pleasure in handling a well-broken and well-trained young horse. But the big advantage is in favor of the horse. If he has been taught as a colt to raise his feet and submit without any struggle to having his feet trimmed and his legs examined, he is going to have an easier time and the owner will be repaid. A horse's hoofs are trained to grow right by keeping them trimmed. The hoof should be wide at the rear side, at the heel. If this part is kept trimmed off, the hoof will spread as it should, instead of curling under and being narrow. A horse is no stronger than his feet and legs, so if you wish to build him right, keep his feet trimmed as a colt and teach him to like it.

## Worms Cost too Much

A WORMY, mangy hog from a litter of only 3 or 4 pigs reaching market, won't make money if it brings 10 cents a pound. At a nickel a pound, hogs from large, healthy litters which are kept that way all their lives, will make money. Occasionally you hear something like this: "I keep 12 sows. I tried keeping 15 one spring and didn't raise any more pigs than before. I didn't have room for them in my farrowing house and they required extra attention." The hogs that make money are kept free of worms and disease and kept growing rapidly.



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

Meadowlark Farm, purebred Guernseys, Durham, Kan., Marion county, are advertised in this issue of Kansas Farmer. They offer some young bulls of serviceable ages.

Ray H. Neal, New Albany, Kan., breeds registered Spotted Poland China hogs and is advertising in this issue of Kansas Farmer some fall boars and gilts at attractive prices and some December pigs.

Carl Deltich, Leavenworth, Kan., is making a special price on a nice lot of purebred Guernseys in his advertisement in this issue of Kansas Farmer. Look it up and write him at once or go and see the cattle, if you are interested.

If you are looking for a Milking Shorthorn bull look up B. E. Thurston's advertisement in the Milking Shorthorn section of Kansas Farmer this issue. He has one for sale and will be glad

to write you full particulars about him with the price. The bull is 12 months old. A nice roan.

Duroc bred gilts in the Harry Givens sale at Manhattan, Kan., April 6 sold well, averaging \$46.16 with a top of \$50.00.

John A. Hahn, Rural Route 3, Ellinwood, Kan., is advertising purebred Red Polled bulls, youngsters from good milk producing cows, in this issue of Kansas Farmer. They are Th. tested and you should write to Mr. Hahn at once for descriptions and prices if you are interested.

Monday, May 11, is the date of the Krotz Stock Farm Angus sale at Odell, Nebr. There are 50 head of registered cattle catalogued for this sale, 35 females and 15 bulls, and you should write for this catalog today. It is their annual spring sale. Look up the advertisement in this issue of Kansas Farmer.

Mr. J. R. Henry, Delavan, Kan., Morris county, writes as follows: "I run an ad all winter on some bulls I had for sale. I still have one bull left for sale, a splendid individual 15 months old. Please run my ad another issue to sell him." Look up his advertisement and write Mr. Henry at once if you need a bull.

In the second annual sale of the Missouri Shorthorn Association sale at Columbia, Mo., recently, 25 bulls averaged \$138.00, the highest price paid for a bull being \$370.00. The demand for females was not so strong and it was said there were many bargains in richly bred Shorthorn females went thru the ring.

Elbert county, eastern Colorado, is the home of many splendid herds of registered livestock and recently at Kiowa, Colo., leading livestock men from that and adjoining counties met and organized a new livestock breeders association. The breeders there are fortunate in having the cooperation of the Colorado state college animal husbandry department.

"Keep Ahead with Jerseys," the Kansas Jersey cattle club slogan, will be heard many times during the six Jersey cattle parish shows in Kansas starting May 11. In this issue of Kansas Farmer you will find the dates of these parish shows and where they are to be held. Don't miss them and be sure to take every Jersey minded neighbor you can with you.

Not one of the largest herds but one of the best bred herds of registered Milking Shorthorns is the James Freeborn herd at Miltonvale, Mr. Freeborn is a frequent advertiser in Kansas Farmer when he has something to sell and in this issue he is advertising a nice yearling roan bull. Look up his advertisement and write for further description and price.

There is an advertisement under our Hereford cattle head on the livestock page in this issue of Kansas Farmer that should be mighty interesting to many cattle raisers over the state. Mrs. Charles F. Nelson, Dorance, Kan., Russell county, is offering for sale 60 two year old steers; 125 yearling steers, 67 cows, some with calves others to calve soon. All are Herefords of good quality. Look up the advertisement and write at once.

Chas. T. Hangen, Wellington, Kan., can supply the needs of our readers if they want low set Shorthorn bulls. Mr. Hangen has a nice selection out of his Scotch bred cows and sired by a grandson of the noted bull Babton Corporal. The bulls offered range in age from twelve to fourteen months old and should be sold soon. Mr. Hangen has bred registered Shorthorns for nearly twenty years and has always bought dependable herd bulls of the best Scotch breeding.

The C. L. White Aryshire herd of pure bred Aryshires at Arlington, Kan., now numbers over 60 head and must be reduced a little in size so it has been decided to sell some of the good young bred cows. This herd was established several years ago with females from the noted Gossard herd and ever since nothing but the best bulls from heavy record stock have been used. The present herd bull was bred at Sycamore Farms. Write Mr. White for more information.

C. R. Rowe, Black Poland China breeder at Scranton, Kan., Osage county, offers four fall boars, nice ones and well bred as any he has sold this spring and large enough for service, for \$25 each. This is bargain prices but Mr. Rowe has a nice crop of 100 spring pigs that he needs lots of room for, so the young fall boars go at \$25 each. But you had better write him today if you want a boar as they will be picked up pretty quick by those who know the Rowe kind of Polands.

J. T. Morgan, breeder of registered Polled Milking Shorthorns formerly located at Latham, is now living on a good well watered farm near Lenora, Kan. About 13 miles south of Norton, Kan., on highway 21. The Morgan herd numbers about 30 head of strictly best bred cattle. Only two cows in the herd but what are nice reds. They are the kind that combine both milk and beef production. Heavy milkers but low set and beefy. Mr. Latham can spare a few very choice young bulls and heifers.

Shorthorns sold up to \$79.00 in the Pretty Prairie combination sale held in the Davenport pavilion April 11. Like most assignment sales the offering was very uneven in size, quality and fitting. Good kinds in both beef and milk were offered from the standpoint of breeding but lack of flesh has always held prices down. The men making up these sales plan to continue and with better crops hope to have better offerings for other sales. Boyd Newcom was the auctioneer, assisted by Charley Davenport and other local salesmen.

J. C. Banbury & Sons of Plevna, Kan., attended the Omaha, Nebr., sales recently, buying five choice females and topping the sale on a Polled cow of Browndale breeding. This fine cow came from one of Iowa's good herds and cost the Banburys \$300.00. By securing this kind of breeding and individuals Mr. Banbury and his sons are always prepared to furnish their old customers new breeding stock unrelated to what they have previously purchased. In the Omaha sale the Polled Shorthorns outsold the horned cattle by several dollars per head.

J. R. Huffman of Abilene, Kan., has been breeding registered Milking Shorthorn cattle for several years. He has in service in his herd at this time what is without doubt the most intensely bred Bates bull to be found in Kansas or maybe any adjoining state. This bull is the low set deep red bull, Lord Wild Eyes. He was bred by O. M. Healy & Sons, the noted Bates breeders of Iowa. Assisting the bull in the Huffman herd is a young red bull from the Clappett

## DUROC HOGS

## More Than Just Purebreds Our Aim

We are striving to produce a Duroc with the maximum size, type and feeding qualities.

This is your invitation to our annual boar and gilt sale in the School pavilion,

## Silver Lake, Kansas, Thursday, April 30

Sale Starts at 1 P. M.

The sale represents a variety of leading bloodlines that will enable you to buy popular breeding that you can use in your herd.

40 head, 10 boars, 30 gilts. Sired by Supreme Anchor 3rd by Wave Ace, Iowa state grand champion, and others by Sunbeam Pattern, grandson of Wave-master Stills.

Dams by Superba, Supreme Anchor, etc. 30 stock hogs, purebreds. Everything double immunized. Catalogs ready to mail.

## B. M. HOOK & SONS

Silver Lake, Kan.

Silver Lake is 10 miles west of Topeka on Highway 40. Paved roads in all directions. C. M. Crews & Son, Auctioneers Johnson Bros. with Kansas Farmer

## 100 HIGH CLASS SOWS AND GILTS

Bred to our 10 Big Herd Boars. Not equaled in America. 30 years a breeder of heavy boned, shorter legged, easy feeding medium type Durocs. Top boars, all ages. Catalog, photos shipped on approval. Immunized, pedigreed, come or write me.

W. R. Huston, Americus, Kan.

## EASY FEEDING DUROCS

We offer fancy, registered fall boars of the early maturing type. Broad, deep bodies, short legs, smooth and sound. Immunized, shipped on approval.

Clarence Miller, Alma, Kan.

## CHESTER WHITE HOGS

## REGISTERED CHESTER WHITES

Sows and gilts to farrow March and April. Weaning pigs, either sex. Cholera immunized. Moved from Waldo to Russell on Sutton Ranch. Martin Clausen, Russell, Kan.

## Reg. Chester Whites

Gilts and weanlings. Easy keepers. Best flood lines. Immunized.

VANDIE RICHIE, SPEARVILLE, KAN.

## HAMPSHIRE HOGS

## Quigley Hampshire Boars

A few choice, well grown fall boars ready for service for your fall breeding.

QUIGLEY HAMPSHIRE FARM  
Williamstown, Kan.

## POLAND CHINA HOGS

## 4 Nice Boars \$25 Each

Large enough for service. Bargains at \$25 each but write quick. Papers with each one.

C. E. ROWE, SCRANTON, KAN.

## September and October Boars

Farmers' type, short legged, easy feeding quality with plenty of size. Reasonable prices.

F. E. WITUM & SONS, CALDWELL, KAN.

## SPOTTED POLAND CHINAS

Reg. Fall Boars and Gilts  
\$15 each. December pigs, \$10 each. Bred sows, \$35 each.

RAY H. NEAL, NEW ALBANY, KAN.

## AUCTIONEERS

J. T. DICKSON, GENERAL AUCTIONEER  
Well informed on values. Has no other occupation. Telephone 444, Washington, Kan.

LIVESTOCK AND GENERAL AUCTIONEER  
Efficient auctioneers lower selling costs.  
Jas. T. McCulloch, Clay Center, Kan.

BERT POWELL, AUCTIONEER  
(Your year round Salesman.) Ask any breeder I ever sold for. Write or wire me, McDonald, Kan.

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

There is not a more worthy philanthropy. You could do no finer thing. Fifteen years of unselfish, intensive, uninterrupted service is behind this foundation. It needs your help—any amount is gratefully received. There are no salaries. Address: CAPPER FOUNDATION FOR CRIPPLED CHILDREN 20-C Copper Building, Topeka, Kansas

## 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 this fall or winter write us immediately for our

## SPECIAL PUBLIC SALE SERVICE

## KANSAS FARMER Topeka, Kansas

John W. Johnson, Manager,  
Livestock Advertising Department



# HEREFORD CATTLE

## Colorado Herefords

IN AUCTION. 94 lots consigned by 15 famous Colorado herds.

Greeley, Colo.  
Tuesday, May 12

Your opportunity to buy fine selections, ready to go on grass. Sale in modern pavilion. 64 great bulls. 30 splendid females.

For the sale catalog write to  
**STOW L. WITWER**  
Sale Manager  
Northern Colorado Hereford  
Breeders' Association  
Greeley, Colo.  
Fred Reppert, Auctioneer

## Herefords of Good Quality

In fine condition to go on the grass. For Sale: 60 2-year-old steers; 125 yearling steers; 65 cows, 18 with calves, balance to calve soon. One bull to be sold with the cows.

MRS. CHARLES F. NELSON  
Borranee, Kan.  
Phone at Wilson, Kan. (Russell County)

## 18 Reg. Hereford Bulls

Yearlings. Bright Stanway and Beau Mischief bred. Good individuals. Federal tested for abortion and TB. WM. J. OLSEN, ALTA VISTA, KAN.

## POLLED HEREFORD CATTLE

## Riffel's Polled Herefords

For Sale: 15 bulls 10 to 24 months old. Plato, Herman, Ion, Worthmore, Mischief and Domino breeding. Also some females of different ages. Address,  
Riffel Bros., Enterprise or Hope, Kan.

## HOLSTEIN CATTLE

**Dressler's Record Bulls**  
From cows with records up to 1,018 lbs. fat. We have the highest producing herd in United States, averaging 128 lbs. fat. H. A. DRESSLER, LEBOW, KAN.

**SHUNGAVALLEY HOLSTEINS**  
We have for sale three extra nice young bulls, 8 months old. Sired by our All American Junior herd sire. These youngsters are out of cows with nice records.  
Ira Romig & Sons, Topeka, Kan.

## RED POLLED CATTLE

**Reg. Bull 15 Months Old**  
For sale. Excellent individual. Write at once for breeding and price and further description.  
J. R. Henry, Delavan (Morris County), Kan.

## SHORTHORN CATTLE

**Highland Farms Shorthorns**  
For Sale: 5 bulls, from 10 to 15 months old. Reds and blacks. Best of quality and breeding. Priced reasonable.  
E. C. Lacy & Sons, Miltonvale (Cloud Co.), Kan.

**Good Young Bulls For Sale**  
12 to 14 months old, reds and roans. One white. Good individuals priced right for quick sale. Scotch breeding. Inspection invited. Chas. T. Hangan, Wellington, Kan.

## MILKING SHORTHORN CATTLE

**Two Real Herd Bulls**  
A red and a roan—16 months old. Top breeding. 1800 red bull calf, 4 months old and four first calf heifers, in milk and rebred. Strictly choice cattle in good condition.  
H. O. McKELVIE  
Route 2  
Lincoln, Nebr.

## Lord Wild Eyes 1536520

The most intensely bred Bates bull in Kansas, heads our herd. Bulls for sale from calves to breeding ages, also heifers. Cows of Clay and Bates breeding.  
J. R. HUFFMAN, ABILENE, KAN.

## SHADYBROOK FARMS NOW OFFER

12 months old roan bull sired by Duallyn Septimus out of imported Greatlaw Leader. Dam, Grazious, R. M. 8,500 milk, 375 butterfat with first calf, she out of Hollandale Marshall.  
JAMES FREEBORN, MILTONVALE, KAN.

## Polled Milking Shorthorn Calves

Bulls and heifers for sale. Nice reds, heavy milk production with beef type. Sired by Thorwood, grandson of Overlook 2nd. Dam gave 11,550 milk and 623 fat. Farm 12½ miles south of Norton on highway 21.  
J. T. MORGAN, R. 1, LENORA, KAN.

## ROAN MILKING SHORTHORN BULL

12 months old. Sire, Butterby Clay. Dam, Rosanna Bates, unofficial record 7,796 lbs. of milk, 4.2% butterfat.  
R. E. THURSTON, CONCORDIA, KAN.

## HILLCREAK GULMAN FOR SALE

Out of a R. M. cow, and 5 of his sisters have R. M. records; 4 years old and weighs a ton, gentle and a sure breeder. Few bulls carry more R. M. and champion breeding. Keeping all of his heifers, reason for selling. Also young bulls sired by above bull. Inspection invited.  
A. N. JOHNSON & M. H. PETERSON HERDS, ASSARIA, KAN.

## POLLED SHORTHORN CATTLE

**Clippers and Brown dales**  
Choice bred bulls and heifers. 20 registered Polled Shorthorn Bulls. Some show type. Halted broke.  
J. C. BANBURY & SONS, FLEVNA, KAN.

Kansas Farmer for April 25, 1936

herd. This bull is a grandson of a bull whose 10 daughters averaged 320 fat as 2-year-olds. Cows in the Huffman herd trace to many noted bulls of the breed.

Quite a number of Kansas registered Milking Shorthorn breeders attended the H. C. McKelvie, Lincoln, Nebr., route 2, sale of Milking Shorthorns at that place last November and the Kansas Farmer livestock department has had several letters from those who bought there saying they were very much pleased with their purchases in the McKelvie sale. In this issue Mr. McKelvie is offering for sale two nice young bulls, 16 months, roans, also a nice four months old red bull calf and four first calf heifers, in milk and rebred. Mr. McKelvie's farm is northwest of Lincoln a short distance on an all-weather road. But you better write him today for further descriptions and prices, etc.

The first annual show of the Dickinson county Hereford breeders association was held at Abilene, Kan., April 2. The object of the show just held was largely for the purpose of selecting a Dickinson county show herd to compete with other county Hereford show herds in the fair this fall. There were 14 exhibitors out with a total of 52 animals. Those of the Dickinson county Hereford breeders that were more active in affecting this organization were: Jess Riffel, president, Enterprise, Kan.; Harry Riffel, Hope, vice president; Irvin Beihler, Herington, secretary-treasurer, and Lewis Kleinschmidt, Hope; Roy Betz, Enterprise, and Arthur Dorman, Hope. Dickinson county is the home of many strong herds of registered Herefords, both Horned and Polled cattle.

Dr. J. T. Axtell of Newton, Kan., will disperse his entire herd of registered Guernsey cattle on Friday, May 1. The offering will include several foundation cows and their descendants. Dr. Axtell has sold a good many Guernsey cattle during the past several years but has steadfastly refused to part with the above cows and the best specimens among their descendants. His present bull to which the females are bred or sired by was selected from the Ransom Farms and was from the best cow in that great herd, she was a persistent prize winner for several years as also was the sire of the bull referred to. The young are good ones and many of the females will be bred to a Jo Mar bull. Dr. Axtell also sells some good high grade Holstein heifers in this sale; some of them will be bred.

The news that A. N. Johnson and M. H. Peterson Milking Shorthorn breeders of Assaria, Kan., will sell their great breeding bull Hillcreek Gulman comes as something of a surprise. The above bull was sired by National grand champion and is himself a show bull. In his four year old form he weighs a ton and has sired a great lot of heifers for his present owners. His dam and many of his sisters are register of merit cows. The decision has been reached to sell the above bull due to the fact that all of his daughters are being retained in the herds and will be mated to the bull purchased in Nebraska last winter. Fair Acres Judge, a bull also with heavy R. M. backing. It is expensive to keep two bulls and so some fortunate reader of this may own Hillcreek Gulman, but act quick is my advice.

In this issue of Kansas Farmer B. M. Hook & Sons, Silver Lake, Kan., are advertising their annual spring Duroc boar and gilt sale to be held in the school pavilion in the east edge of Silver Lake, Thursday, April 30. This well known firm of Duroc breeders have cataloged 40 head for the sale, 10 boars and 30 gilts, all September farrow. The offering is very largely by two boars that Duroc breeders will recognize at once as being bred in the purple. Supreme Anchor 3rd was sired by Wave Ace, the sensational Iowa state fair grand champion and the others are by Sunbeam Pattern by Wavemaster Stiltz. The dams of this lot of young Durocs are by such boars as Suberba, Supreme Anchor and other famous sires of the breed. Nothing is being fitted specially for this sale but on the other hand they are being sold in their spring of the year work clothes and you will get your money's worth in this sale. Write today for the sale catalog. Silver Lake is on highway 40, 10 miles west of Topeka.

Like all closing out public sales of established herds, the Montie Martin closing out sale of his well known herd of registered Jerseys offers just this kind of an opportunity. It probably has been a long time since a closing out sale has cataloged so many outstanding heavy milking cows as will be found in this sale. And there will be a fine lot of high quality young heifers and heifer calves in the sale and several fine young bulls. All are negative to Tb. and Bang's disease tests and are in fine working shape to go on and do for their new owners what they have done for Mr. Martin. It is a sale worth your attention if you are interested in registered Jerseys. B. C. Settles has been employed as sale manager and a nice catalog is ready to mail. For a copy address either B. C. Settles, Palmyra, Mo., or Montie Martin, Paola, Kan. Look up the advertisement in this issue of Kansas Farmer and remember the date of the sale is Thursday, May 21, at Paola, Kan., Montie Martin Farms.

Colorado Herefords have always been popular with Kansas Hereford breeders and the annual spring sale of 94 head of Colorado Herefords, 64 great bulls, many of them real herd header material and some proven herd sires, with 30 splendid females completing the offering and all top selections from 15 of Colorado's greatest herds, the Northern Colorado Hereford Association's crack herd, and many of them from the famous North Park section, should be of decided interest to Kansas breeders looking for Herefords, either herd sires or females with which to strengthen their herds. It is a big day, Tuesday, May 12 in Greeley, Colorado, with a show in the forenoon with cash prizes offered and the sale in the afternoon. Stow L. Witwer, sale manager for the Northern Colorado Hereford Association, says the cream of the crop is in this sale. The sale catalog is ready to mail and you can have yours by addressing Stow L. Witwer, Greeley, Colo. Drop him a card today and be sure of the catalog which will be sent promptly. If you want to be sure you are right in type, breeding and all that is popularizing modern Herefords, you will never regret attending this big, 1936 Hereford event at Greeley, Colo. You will find splendid roads in that section and it will be a Hereford day you will remember.

Kansas Ayrshire breeders are indeed fortunate in the help they received in so many ways from the national Ayrshire association at Brandon, Vermont. There are few if any breed magazines that equals the Ayrshire Digest, published monthly by that association. There are several

hundred members of the national association in Kansas but they are not all subscribers to the Digest. The subscription price is \$1.50 per year or \$2.50 for two years. It is wonderfully illustrated with pictures of Ayrshires and beautiful landscapes and farm scenes with Ayrshires always in evidence. Not a line of trashy advertising but it is full of splendid things about dairying and Ayrshires, the kind of reading matter that tends to interest boys and girls in Ayrshires. Every Kansas reader of the Digest knows all of this and the wonderful magazine that it is. Suppose Mr. Ayrshire breeder in Kansas, and reader of the Digest, you appoint yourself subscription agent for the Ayrshire Digest for the week of the Ayrshire shows in Kansas and induce everyone interested in Ayrshires to subscribe. You could not possibly do anything that would tend to further the interests of your breed in a more substantial way. Fifty or 100 Kansas subscribers added to the list would sure warm the heart of your good friend, Mr. Conklin. You will never regret this effort in behalf of your favorite breed. Ayrshire week in Kansas starts May 19 at Lawrence. You will be doing your friend a good turn if you get him to subscribe.

## Public Sales of Livestock

**Aberdeen-Angus Cattle**  
May 11—Krotz Stock Farms, Odell, Nebr.  
**Hereford Cattle**  
May 12—Northern Colorado Hereford Breeders, Greeley, Colo. Stow Witwer, manager.  
**Jersey Cattle**  
May 21—Montie Martin Farms, Paola, Kan.  
**Duroc Hogs**  
April 30—B. M. Hook & Sons, Silver Lake, Kan.

**DAIRY CATTLE SPRING SHOWS**  
**Holsteins**  
April 28—Capitol Assn., Topeka.  
April 28—Southeast Kansas Assn., Parsons.  
April 30—East Central Kansas Assn., Lawrence.  
May 1—Northeast Kansas Assn., Sabetha.  
**Guernseys**  
May 1—Dr. J. T. Axtell, Newton, Kan.  
May 4—Southeast Kansas Assn., Parsons.  
May 8—Northeast Kansas Assn., Topeka.  
May 8—Central Kansas Assn., Salina.

**Jerseys**  
May 11—South Central Kansas Parish, Conway Springs.  
May 12—Central Kansas Parish, Stafford.  
May 13—North Central Kansas Parish, Clay Center.  
May 14—Sekan Parish, Oswego.  
May 15—East Central Kansas Parish, Ottawa.  
May 16—Northeast Kansas Parish, Holton.

**Ayrshires**  
May 19—Eastern Kansas Assn., Lawrence.  
May 20—South Central Kansas Assn., Arkansas City.  
May 21—Central Kansas Assn., St. John.  
May 22—North Central Assn., Abilene.

**BELGIAN HORSES**  
**Reg. Belgian Stallions**  
Sorrels, chestnuts, and strawberry roans in good breeding condition ready for immediate service; largest selection at lowest prices.  
177 miles above Kansas City.  
FRED CHANDLER, CHARITON, IOWA

## Complete Dispersal Sale

**The Dr. Axtell Herd of Purebred Registered Guernseys**  
includes 8 heavy production cows now in milk and rebred, 6 heavy springer heifers, 4 young bulls and the herd bull (bred by Ransom Farms) his sire and dam were champions at leading state fairs many times. The young bulls were sired by a JoMar bull. Sale will be held  
**Friday, May 1**  
on the North Axtell farm—500 West 16th St., Newton, Kansas  
We will also sell 7 head of grade Holstein heifers, bred and open. For further information address  
**Dr. J. T. AXTELL, Owner, NEWTON, KANSAS**  
Boyd Newcom, Auct.  
J. W. Johnson, Fieldman

## 80 Head of Reg. Jersey Cattle

We cordially invite you to our Closing Out Sale with the assurance that there will be a treat in store for those who appreciate the Utmost in High Quality Jerseys.  
**Montie Martin Farms' Dispersal**  
**Paola, Kansas, Thursday, May 21**  
Nowhere is there so many outstanding Heavy Milking Cows and High Quality Heifers and Calves to be offered. Several fine young bulls, all from high producing dams. Great opportunity for car-load and Calf Club buyers.  
All Negative to Tb. and Bang's Tests—For Catalog and Particulars Write  
**B. C. Settles, Sales Manager, Palmyra, Missouri**

## Valuable Booklets Free!

Many of our advertisers have prepared valuable illustrated catalogs and educational booklets at considerable expense which are available to our readers without charge. We are listing below the booklets furnished by advertisers in this issue of Kansas Farmer and to obtain any of these fill in the advertiser's coupon and mail, or write direct to the advertiser.  
**Folders on John Deere Combines & Threshers** (page 7)  
**Prizes for Post Toasties Box Tops** (page 15)  
**Books on Worm Control and Vaccination of Poultry** (page 16)  
**Catalog on Superior Ranges** (page 17)  
**Bargain Pattern and Sale Book** (page 17)  
**Gilber Buck Rake** (page 18)  
**Oliver Combines and Harvesters** (page 19)  
**Book—Farm Sanitation** (page 21)  
**Dempster Water Supply Systems** (page 21)  
**Columbian Tanks and Grain Bins** (page 21)  
**Free Electricity From the Wind** (page 21)  
**Sweepstakes and Stackers** (page 21)  
**Saddle Catalog** (page 21)  
**Irrigation Pumps and Supplies** (page 21)  
**Book—Vaccination Simplified** (page 21)  
**Free Sample and Booklet Wool Fat** (page 21)

## ANGUS CATTLE

## Krotz Stock Farm

Annual Spring Sale

Odell, Nebr.

**Monday, May 11**

Breeding strong, all of leading families. 50 registered Aberdeen-Angus, 35 females, 15 bulls. Females all young, many with calves at foot and rebred. Several outstanding show heifers. Cows bred to and the get of Blackcap Revolution 28 and others to Evidence of Strathmore. For the catalog write to

Krotz Stock Farm, Odell, Nebr.

Auctioneer: A. W. Thompson  
(Odell is near Kansas-Nebraska state line.)

## AYRSHIRE CATTLE

## AYRSHIRES MOST PROFITABLE COWS

**4% MILK**  
Big Milkers - Hardy Rustlers  
Good Grazers - Perfect Udders  
Wins for Booklets  
Ayrshire Breeders' Association  
260 Center St., Brandon, Vt.

## Ayrshire Cows For Sale

Bred to a Sycamore Farms bred bull, cows from Gossard foundation. Heavy milkers and right in every way. Must reduce size of herd at once. 60 to select from. Also young bulls. Inspection invited.  
C. L. WHITE, ARLINGTON, KAN.

## BROWN SWISS CATTLE

**Young Brown Swiss Bulls**  
Choice individuals and good breeding. Out of cows with D. H. I. A. records. Inspection invited.  
G. D. SLUSS, ELDORADO, KAN.

## GUERNSEY CATTLE

## Fresh and Heavy Springers

Young cows, high grade Guernseys and Brown Swiss. A number of bred and open heifers. One yearling Guernsey bull, one yearling Brown Swiss bull—both registered and richly bred. Tb. and blood tested.  
Ober Lichtyler, Box 223, Augusta, Kan.

## Guernsey Bulls For Sale

One 2 years old, one 3 years old, one 5 years old, 3 bull calves. All purebred from record dams. Priced to sell.  
MEADOWLARK FARM, DURHAM, KAN.

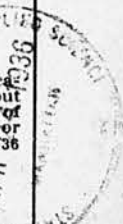
## PUREBRED GUERNSEYS FOR SALE

Two cows, heifer and bull calf, 2-year-old bull, Ferda's Danny Duff, all \$885.00.  
CARL DIETRICH, LEAVENWORTH, KAN.

## STALLIONS AND JACKS

## 50 Jacks Ready for Service

A few registered Percheron, Belgian and Morfran Stallions for sale.  
HINEMAN'S JACK FARM, DIGHTON, KAN.







# The Tank Truck

News from your Conoco Agent about Farm Fuels and Lubricants



## Carveth Wells in New Radio Travel Program

Carveth Wells, noted explorer and author, has returned to the air in a new Conoco radio program in which he takes listeners sightseeing through America's most interesting scenic and historic regions. A 14-piece orchestra plays appropriate, familiar music. It is a program the whole family will enjoy.

The program is broadcast every Sunday over these stations at local times given:

Amarillo—KGNC—1:30-2:00 P. M.  
Butte—KGIR—10:30-11:00 A. M.  
Chicago—WGN—10:15-10:45 A. M.  
Dallas—WFAA—12:15-12:45 P. M.  
Denver—KOA—11:30-12:00 A. M.  
Des Moines—WHO—10:30-11:00 A. M.  
Kansas City—WDAF—10:00-10:30 A. M.  
Lincoln—KFAB—10:00-10:30 A. M.  
Little Rock—KLRA—11:30-12:00 A. M.  
Milwaukee—WTMJ—11:15-11:45 A. M.  
Minneapolis—WCCO—11:00-11:30 A. M.  
Oklahoma City—WKY—10:00-10:30 A. M.  
Phoenix—KTAR—11:30-12:00 A. M.  
Salt Lake City—KSL—10:30-11:00 A. M.  
St. Louis—KMOX—11:00-11:30 A. M.  
Spokane—KHQ—10:30-11:00 A. M.  
Tulsa—KVOO—10:00-10:30 A. M.  
Wichita—KFH—1:30-2:00 P. M.



## GREASE CARTRIDGES SOLVE FARM PROBLEMS

The new Conoco Greasing Kit, shown above, makes it easy for any farmer to lubricate his car, truck, tractor and other equipment as well as it could be done at a filling station.

The kit consists of a plated high-pressure hand gun, four nozzle fittings, six one-pound cartridges of Conoco Lubricants, an instruction book, greasing charts for all makes and models of cars and trucks and a painted metal chest with handle and snap fasteners. The complete set sells for \$21.00.

The Conoco Lubricants included are Conoco Pressure Lubricant (2 cartridges), Conoco Sujud Grease, Conoco Transmission Oil, Conoco Racelube and Conoco Pumpplube. With these, you can lubricate any car, truck or tractor, anywhere and any time.

Your Conoco Agent will be glad to show you a kit. Ask him.

Yellowstone Park is easy to drive to, with Conoco marked maps, and information. FREE. Write Conoco Travel Bureau, Denver, Colo.

## KEEPING YOUR TRACTOR EXPENSES LOW



## New Alloyed Oil Made to Hold Up Under Hardest Farm Work

The lean years we have passed through taught farmers one thing about lubricating oils—that it is poor economy to buy cheap oils that use up faster and make junk out of a good tractor.

The best lubricating oil costs very little in comparison with the cost of a new tractor.

One of the finest motor oils ever put on the market for farm use is Conoco Germ Processed Motor Oil, made by 60-year-old Continental Oil Company and sold by Conoco Agents everywhere.

This oil has been in use for years and farmers say it is the most economical oil they ever used from the standpoint of long service between drains as well as cutting motor wear.

Conoco Germ Processed Oil is quite different from other oils. It is alloyed, much as metals are, to give it special lubricating qualities that plain mineral motor oils do not have. After the oil is

refined and purified, a small quantity of patented Germ Essence is added to it.

This alloying makes the oil stick tighter to metal, which oil-plates motor parts permanently. It also gives the oil extra oiliness, which decreases friction, and gives greater load-carrying ability. Germ Processed Oil cuts wear on all bearings because it can hold metal surfaces apart even under the heavy loads caused by starting, sudden acceleration and hard pulling. You can see why this oil helps you avoid repairs and makes your tractor last more years.

You make another saving by being able to run more hours with Germ Processed Oil. Unless a dust storm makes you drain extra early, you should get a third to a half more hours with this oil than with plain mineral oils.

Conoco Germ Processed Motor Oil gives better protection and service in cars and trucks, too. It's a money-saver for every farmer.

Your Conoco Agent can supply you with this oil in barrels, in 5-gallon handy buckets and in dust-proof 1 and 5 quart cans.

## Farmer Tests Oils, Finds One Good for 100 Hours

To The Tank Truck: I am farming 2,200 acres and am operating the following equipment—1 Caterpillar gasoline tractor, 1 Caterpillar Diesel tractor, 2 Holt combines, 1 Ford truck, 1 Ford pick-up and my passenger car.

For the past several years I have been experimenting with different oils with the idea of finding a satisfactory oil—an oil that would be satisfactory from a standpoint of lubrication and cost.

This summer I was induced to try your Germ Processed Oil and I am pleased to give you the results of my experiment after using four barrels of your oil. During previous trials with other standard brands of oil I found that the maximum running hours I could secure from these oils was around 60 hours.

When I started to use Germ Processed Oil I watched it closely and found that after having run 60 hours it was still in good condition. I continued to run on this oil for more than 100 hours, then at the time I drained your oil, I found it to be in better condition than the other oils I had used which only ran a maximum of 60 hours.

During the balance of the season I continued to use Germ Processed Oil and averaged over 100 hours to the drain.

From the standpoint of satisfactory lubrication and cost, I feel that I have solved my problem, and will continue to use your Germ Processed Oil, as well as to share my experience with my neighbors. C. R. Campbell, Idaho Falls, Idaho.

## "Greased Pigs"

Smear rubbing posts with Conoco Axle Grease and your hogs will not suffer as much from lice. This grease resists water, and rain will not wash it off.

Conoco Axle Grease is only one of 14 Conoco lubricants and greases that are needed on the farm. Your Conoco Agent can supply you with a fine quality lubricant for every farm need, from greasing hogs to lubricating a cream separator.

# CONOCO PRODUCTS

## HELP KEEP FARM EXPENSES DOWN

MOTOR OILS  
MOTOR FUELS



LUBRICANTS  
FOR FARM USES

## CONTINENTAL OIL COMPANY · Est. 1875