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KANSAS FARMER

CONTINUING MAIL & BREEZE

AUGUST 16, 1947



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Farm Wives Save Lives

Ashland Hospital Staff Does Great Service

THE Ashland Hospital, like most hospitals throught the United States, overcame many obstacles of shortages during the war in its efforts to fully serve its community. This 10-bed capacity hospital 20 years ago was the private home of W. C. Carson. During the war years it had more patients than it was equipped to care for. There were extra cots in the halls and even an extra cot in the operating room.

Hospital patients call for registered nurses. There were times when the hospital felt it had no place to turn for help. But thanks to the willing efforts of several farm-wife nurses and other loyal personnel, the Ashland hospital has been able to render continuous service since it was established years ago.

Let's get acquainted with the farm wives who helped so valiantly:

Lois Barricklow, R. N., is the wife of Lester Barricklow, who farms 540 acres. Lester was a warrant officer in

of Donley McCarty, who farms 320 acres for himself, and helps his father with 1½ sections more.

Marjorie was an army nurse. Lieut. Marjorie McCarty formerly of the 4th air force. During the war she was stationed on the west coast. Donley was a P-38 fighter pilot in the South Pacific. During the war he had an enlarged picture of Marjorie, about 1½ feet in diameter, this he mounted on his P-38 and covered it with plastic. It proved a good omen.

After the war the McCartys came home in February and Marjorie went to work at the Ashland Hospital in No-



Lois Barricklow, R. N. "... has had wide experience ..."



Mrs. Art Johnston, R. N. "... meant real maneuvering ..."

ember and worked until April. They live 17 miles from town and it meant a 34-mile drive for Marjorie much of the time thru rain, mud and snow.

The McCartys have built a lovely new home in the country, and altho in the middle of their building, Marjorie went back to work in May on special duty for Nurse Lois Barricklow when Lois' little daughter was born.

At present Marjorie is a busy farm wife and is endeavoring to finish the interior of her new home. But she is willing to go on duty anytime if there's a pressing need for her services.

Mrs. Art Johnston came to the Ashland Hospital as a registered nurse on general duty in 1928. There she nursed until 1931, when she married Art Johnston, a full-fledged farmer who operates around 1,000 acres. Consequently upon becoming a farm wife she gave up nursing.

However, in 1938 the hospital sent her an S. O. S. and she willingly responded and has been responding ever since.

Mrs. Johnston recalls that in her early nursing at the hospital there were 3 nurses, 2 on day duty and 1 at night. They worked 12-hour shifts and felt fortunate to have 2 hours off in the afternoons.

Throught the recent years the situation has been as drastic if not more so, and Mrs. Johnston has helped keep the hospital going, which sometimes meant real maneuvering for her as a farm wife.

On one stretch of night duty she had



Marjorie McCarty, R. N. "... proved a good omen ..."

perhaps once a nurse always a nurse, for altho Lois is a full-fledged mother and farm wife she sincerely accepts the responsibility of her profession. And she plans to help out at the hospital when a critical need for her services arises.

Marjorie McCarty, R. N., is the wife

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Continuing Mail & Breeze

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extra men at home to cook for. Mr. Johnston and the men would have breakfast and he would do the dishes before making the 4-mile trip into town for her. On arriving home Mrs. Johnston would fix and pack lunches, rest as much as possible, then get a meal for the men that evening before leaving again for hospital night duty.

The Johnstons have completed a big harvest with extra men to cook for. But when her home duties ease off in the fall it is likely Mrs. Johnston will again get a call to do special nursing or general duty at the hospital.

Ruth Webb, R. N., was on general duty at the Ashland Hospital until she married David Webb 8 years ago. Since that time she has become a mother and farm wife, yet has put forth a real effort to help the hospital.

Frequently thruout the war she and another housewife, Mrs. Rachel Baker, R. N., the mother of 3 children, were the only regular nurses on duty aside from the hospital superintendent.

When Mrs. Webb's first son, David Leslie, was born in 1942 she returned

and having the children kept she sometimes hardly made expenses, but she added, her reigning thought was to help keep the hospital serving everyone who needed help.

Citizens having had emergency sickness and accidents are sincerely thankful for the conscientious efforts of Nurse Ruth Webb.

Altho not a registered nurse, Mrs. Wilbur Stuck has been a real asset to the Ashland Hospital. Last winter her mother was a patient in the hospital. There was a shortage of help so Mrs. Stuck nursed her mother and fixed her trays. Soon she was preparing other trays and assisting the nurses in many ways. When her mother left the hospital the superintendent asked Mrs. Stuck if she would remain as hospital housekeeper.

Mrs. Stuck consented since her youngest son was in his first year of school, but it was a real undertaking.

Mr. Stuck operates 700 acres. They have 3 children, Maurine 15, Dean 10 and Jimmie 7. Mrs. Stuck said it was due to the co-operation of her family that enabled her to do the job.

When she was working the family would rise early and breakfast, then she and Wilbur would milk and prepare 25 to 30 quarts of milk to deliver in town while the children washed the dishes, made their beds and got ready for school. Then they would drive 8 miles to town.

Mrs. Stuck did not work on Saturdays. That she reserved as family day. However, she did keep the children of Nurse Ruth Webb on Saturdays so Ruth would be free to be on full duty that day.

First Mrs. Stuck was housekeeper, then she assumed the task of bathing the babies, and before she quit for the summer she was a real nurses' aid and all the nurses were most eager in their praise of her help.

At present she is in the hum of summer farm work but when school begins it is likely Mrs. Stuck will be drafted by the hospital again.



Ruth Webb, R. N.

"... because of willing co-operation ..."

to work when he was 3 months old and took him with her. During the first 4 months there was no extra bed at the hospital for him, so they hauled his bed back-and-forth each day on their 36-mile trip. When the need for a child's bed was discovered by a good Samaritan one was immediately donated to the hospital.

David Leslie was a year old when Mrs. Vedra Stuck, a neighbor and farm wife with 3 children offered to care for him. Sometimes it was a bit hard on them all because the baby came to know Mrs. Stuck better than he did his mother.

In 1945, Ruth's second son, Donald Dean, was born. This time the need for



Mrs. Wilbur Stuck

"... a real asset to Ashland ..."

her services was so urgent at the hospital that Mrs. Webb went back on duty when he was 5 weeks old.

Mrs. Webb says it has been a hardship on her husband who farms 100 acres for himself, and also helps Mr. Elmer Broadie, an extensive farmer and cattleman, but because of Mr. Webb's willing co-operation she has been able to continue nursing.

With her long drives, car expenses,

To Keep Lard

A successful method of improving the keeping quality of home-rendered and home-stored lard has been announced by the U. S. Department of Agriculture. The answer is to add 2 to 3 pounds of hydrogenated vegetable shortening to each 50 pounds of lard at time of rendering.

Strong or rancid lard not only is unfit for food use, but also destroys essential vitamins in foods to which it may be added, the bureau states.

The preferred method of preserving the lard, it is said, is to add the vegetable shortening to the rendered lard in the kettle just before settling and separating the cracklings in the lard press. Another procedure is to add shortening to the melted lard in the storage container. In this case, careful stirring until the vegetable shortening is entirely melted is necessary.

Hydrogenated vegetable shortening is sold under various trade names, but farmers buying it are warned to make sure it is hydrogenated vegetable shortening.

There Is a Plan

Dear Editor: With soil conservation of regrassing operations of the 102,000-acre Government tract, how can I obtain land there as I was one that sold land there to the Government?—Mr. and Mrs. E. K., Colorado.

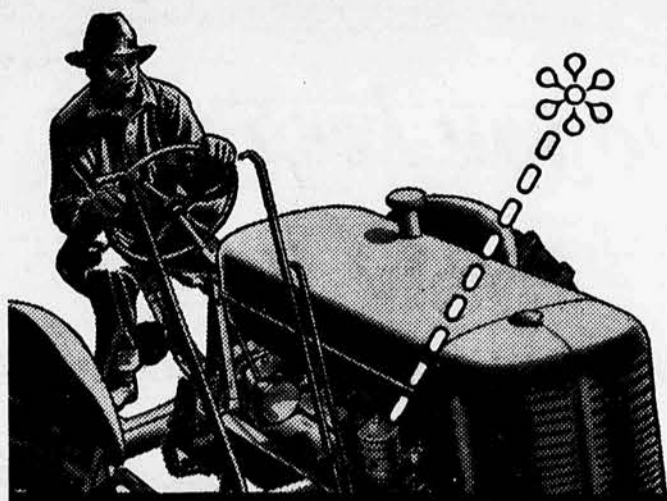
The law under which this land was purchased by the Government did not make any provision for resale back to private individuals, regardless of whether they sold land to the Government. We do have, however, a plan for the exchange of certain Government-owned tracts for privately-owned land in Morton county, Kansas, provided such an exchange is mutually beneficial to the Government and the individuals.

If you will inform me of the legal description of the land which you wish to acquire, I can tell you whether it has been designated as land which the Government is willing to exchange for privately-owned land and, if so, perhaps you can acquire it by that means.

—Fred J. Sykes, State Conservationist, Salina, Kan.

Senator Capper on Radio

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"TYING DOWN" Their Soil

"You Won't Know This Country in
Another 10 Years"

By DICK MANN



Serious damage to county road in Miami county was caused by discharging terrace runoff into road ditch, a common practice in Eastern Kansas. Damage such as this has cost Miami county up to \$600 for one-quarter mile of repair.

ALTHO the Miami County Soil Conservation District is less than 2 years old, farmers in that county have made remarkable progress in "tying down" their soil for future production.

Examination of records in the office of Sam Hertha, work unit conservationist for Miami county, shows that 262 applications for work plans had been received between February 4, 1946, and August 1, this year. These plans cover 56,287 acres.

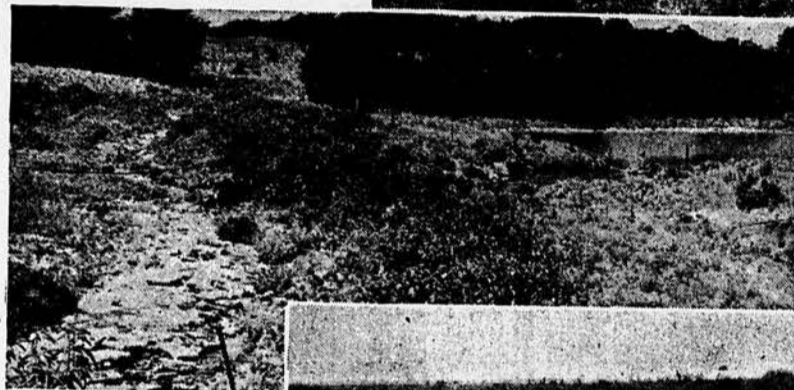
Already, Mr. Hertha reports completed plans on 115 farms. Fifty-five ponds have been built, 101 miles of terraces completed, 79,415 feet of diversion terraces, drainage systems laid out on 390 acres of bottom land, 112 acres of waterways seeded, 1,047 acres of native pasture cleared of brush and timber, 126 acres of permanent pasture reseeded, pond management programs in force on 20 ponds, 15 ponds stocked with fish, 14 soil-saving dams completed. Thirty-five more ponds will be stocked with fish this fall.

There were only 255 acres of brome grass in the county when the district was organized. About 200 additional acres have been seeded since. This year, to speed the program, soil conservation district supervisors voted to import 3,000 pounds of good non-certified seed of known Auchenbach origin and 1,000 pounds of certified seed. This seed will be used to establish local sources of good seed for a county-wide seeding program.

The first bluestem seed combined in the county, so far as is known, was harvested last year by Frank Pflug under supervision of the Soil Conservation Service. He obtained 1,000 pounds of good, clean seed for local distribution at 35 cents a pound.

Much credit for speed of soil conservation work in Miami county, says Mr. Hertha, is due to the eagerness of farmers to do the job right. Waterway schools were held last March and were attended by a large number of farmers. These schools now are paying off, since those who attended immediately got busy establishing waterways for their terrace outlets. Now established, these waterways are making it possible to speed up the terracing program.

Farmers in Miami county are not getting busy any too soon. Like in other Eastern Kansas areas, there has been serious sheet and gully erosion and many pastures have become infested with brush



Diversion ditch designed to carry cropland runoff around pond at right rear. Pond is on farm of H. H. Chapman, Miami county.



The pasture shown here on the farm of Phil and Paul Russel, Miami county, is to be cleared of osage trees to improve grazing.



Orville and Buck Hollinger, Paola contractors, are building terraces for \$2 a hundred feet. Shown here, operating their whirlwind plow, is Buck Hollinger.



Sam Hertha, left, and Joe Northern, Paola contractor, examine completed terrace constructed by Mr. Northern with a bulldozer.



Road damage can be avoided by seeding grassed waterways parallel to road, like this one on the farm of W. H. Lewis. Terraces at upper left drain into this waterway instead of the adjoining road ditch.

and trees. The county is short of both permanent and temporary pasture grasses.

The far-reaching effects of soil erosion are not always realized. This fact was pointed out by James H. Bunce, cashier of the First National Bank, at Louisville. "Recently," said Mr. Bunce, "a farmer came in for a loan on 80 acres I had known of for 20 years. It always had been considered very productive and I never dreamed but what it would carry the loan asked. However, when I made the inspection I found the land so badly washed you couldn't farm more than 10 acres in any one piece. I had to turn down the loan."

Another incident where improper soil conservation practices caused considerable damage was related by Sam Anderson, county engineer. "Before the soil conservation district was organized," Mr. Anderson relates, "some farmers went ahead with terracing and used our county road ditches for outlets. Usually, this was done with permission since we didn't realize either what damage would result. Last year, however, it cost the county \$600 to repair a quarter mile of road that was washed out by terrace runoff. Another job cost us \$400. When you go to adding a lot of these together, it

runs into real money and, of course, comes right out of the farmers' pockets in taxes."

Now farmers in the county are following recommendations and seeding grassed waterways parallel to the road ditches to handle terrace runoff and to protect road ditches.

To see what some of the problems are and how farmers are handling them, we made a tour of the county late in July.

We found Homer Staadt jubilant over his success with brome grass. Last September 1 he seeded 4½ acres of a brome-alfalfa mixture, using 16 pounds of brome to 4 pounds of alfalfa an acre. "The secret of getting a good stand," he reports, "is to pack the ground until you think it's perfect, then pack some more." Mr. Staadt plowed under oats last summer just as soon as the crop was off, and seeded his grass September 1 with a cultipacker at cross angles. The brome-alfalfa used was good, clean seed and the drill was thoroughly cleaned before seeding. "I seeded with the drill riding the ground

[Continued on Page 80]

AUG 18 1948
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 KANSAS STATE UNIVERSITY
 MANHATTAN, KANSAS

Farm Matters

AS I SEE THEM

I CAN see future troubles as well as immediate profits in the 75 million acres wheat goal set by the Department of Agriculture for the 1948 American wheat crop.

With present and immediately prospective wheat prices what they are, I have little doubt but what the American farmers will plant that acreage, weather conditions permitting; perhaps whether or not weather conditions are favorable.

The program spells another year of high income for the Wheat Belt. The future permanent gains from summer fallowing and other conservation practices fade into insignificance compared to the cash returns in prospect from a huge 1948 wheat crop. And, not to be left out of the reckoning, the farmer is going to need substantial cash reserves to carry him safely thru the period bound to follow this postwar inflation, whether the "down" period comes within a few years or is a decade or so away.

Kansas farmers right now have an unequalled opportunity to get and hold themselves in sound position (with a minimum debt load) and also to hold onto some cash reserves against the drop coming later, and also against the day—year or years might be better expression—when weather conditions will be less favorable for mass production. Those not overburdened with debt, and with liquid assets in reserve to tide over such a period, will be in position to survive.

You may think it strange that I should be making suggestions along this line, while farmers are getting the highest prices and biggest incomes, on the average, in many decades. But as I see it, this present situation has in it the seeds of very great uncertainty as to prices and incomes for agriculture in the years ahead.

I am not alone in this belief. Only a few days ago Fred Bailey, Executive Director of National Agricultural Research, Inc., (sponsored by the National Association of Farmer Co-operatives) warned that, "The farm price outlook remains highly uncertain and is causing considerable concern." And President Truman in his mid-year economic report to Congress also expressed concern.

One of the President's recommendations was that in case the situation should take on really serious proportions as crops prospects (he had particular reference to corn) become more certain, plans should be readied well in advance of actual need to conserve supplies and make certain that they are used as wisely as possible.

That part of official Washington which delights in "Planning"—and the departments and bureaus still are full of the type of "Planners" that prohibited cuffs on trousers when the war started—see in the President's message a revival of price controls and rationing of foodstuffs. I do not see that in the picture at all. I shall oppose any such proposals, you may be sure.

I expect to be at home in Topeka next week, and until such time as Congress is in session again—or until the Senate Committee on Foreign Relations may be called in to Washington to consider the Marshall proposal or some other program for reconstruction of Europe, and the rest of the world, I can be seen or reached at my office in the Daily Capital building.

I am strongly in favor of the United States doing everything in our power to get the rest of the world on its feet again.

But I still feel that our Government's primary responsibility is to the United States and the people of the United States. And I feel there are limits to what America can do in shouldering the problems of all the world. And there are times when I am pretty much in sympathy with the woman who wrote my colleague, Senator Reed, and wanted to know "What the rest of the world did for a liv-

ing before they discovered the United States of America."

In the coming session of Congress I intend to press for continuation of the farm price-support program for an additional 2 years. Under the terms of the so-called "Steagall amendment" to the Price Control and Stabilization Act (a war measure) the Government promised price supports for a score of farm products at 90 per cent of parity for 2 years after the official cessation of hostilities. That guarantee expires December 31, 1948. It was presumed at the time that the transition period between war and peace would be over by then. These European and world relief programs indicate that the transition period may extend at least thru 1950. These price supports have nothing to do with present high prices but they may be needed after next year's crops are in to protect farmers against ruinously low prices. I hope this present inflation can be ended without the crash that in the past always has followed such a period.

Farm Ownership

I WANT to recommend definite planning of farm ownership to every young man who has a love for agriculture. To me farm ownership and successful operation of that land is one of the highest goals a family can achieve. It isn't something to rush into without considering all angles, because it means setting up the business that will feed, clothe and educate the family. It is a long-time proposition. The farm might be paid for in a comparatively few years. But more likely it might take half a lifetime.

I realize it isn't the easiest thing in the world to own a good farm. It is a real test of ability. Perhaps it is a tougher proposition buying a farm today than at any other time on record. But it never was more worth while, or more essential to the welfare of this country. And I think the trend has been toward fewer farms and larger farms. But it doesn't follow that family-size farming is going out of the picture. Far from it. I am satisfied farms are larger as a natural result of power equipment enabling a family to handle more acres. But remember this: Manufacturers are fitting tractors and implements to the small acreage farms. This is being done because some 3 million "small" farmers have been demanding it. With that fact in mind, I don't anticipate any major increase in the size of farms in the future.

The family that buys a farm can rest assured they are in the biggest—as well as the most essential—business on earth. In the U. S. farm land, buildings, machinery, equipment, livestock and crops were worth 90 billion dollars last year, and no doubt more this year; and did a 25-billion-dollar business. The Secretary of Agriculture reports that the financial position of agriculture is strong today: "Value of total assets is more than 10 times as great as total farm indebtedness." That certainly is a very satisfying piece of news.

And here is another encouraging fact. Farm ownership is now at its highest point in more than half a century; that means more former renters have made the decision to purchase land. The figures show that in 1945 the farms of tenants and share croppers made up 32 per cent of all farms. This compares with the high of 42 per cent in the thirties. In 1945 there were a million fewer tenant farms than in the thirties, and a half million

fewer than in 1940. The 1945 total was 1,885,000. Right along with this increase in farm ownership we find that during the war years the mortgage debt went down each year. This trend apparently stopped during the first half of 1947, because I have a report now that mortgage debt again has started on an upward swing.

The fact that more farmers own their land, or are buying it, certainly should encourage the beginner. If those farmers didn't think land is a good investment they wouldn't be taking on the job of paying for it at currently higher prices. Because they know paying for a farm isn't all a bed of roses. There will be plenty of ups and downs in the years ahead before the land is free of debt. But land purchased on the basis of its earning capacity is a sound investment.

Looking into the point of who has been buying farms shows the not-too-surprising fact that "last year two thirds of the purchasers were farmers and one third non-farmers." Now, not all of these farms were good buys. Some were purchased for speculation and quick turnover. Others were purchased for homes and businesses. You can rest assured the men who intend to live on those new farms looked well into the matter of average yields—how much the land has produced over a period of years. They also took into consideration that cattle some years ago were \$6.50 and not \$28.50; that hogs were \$7.25 instead of \$24.85; that wheat has been down to 50 cents instead of \$2.41; that corn got down to 63 cents and that it probably will not always be around \$2.34. In other words, they tried to buy their land on the long-time earning ability of the soil and the kind of farming it will support.

That is what I recommend to the young people right now. Take time to select the farm you want. Take time to get complete details about its ability to yield; figure on the number of good years and bad years; figure on the average prices the farm operator has received in the past. Then you are on safe ground, you are adding nothing to inflationary pressure—as a matter of fact you are helping to curb it, and you can look forward with confidence to making it the kind of business and home you and your family want.

Now, I say farm life has more to offer than ever before; that opportunities are greater than they have been in the past. I don't mean only the modern conveniences of electricity, farm machinery and good transportation. I also mean greater opportunities for an interesting and useful life.

I think we have just scratched the surface in improving crops, for example. There isn't any question that better varieties will be developed. And some of our young farmers are going to be key men in this development. Certainly the quality of crops will receive more attention in the years ahead. Wheat, corn, fruit, vegetables, livestock feeds may very well be sold on the basis of the quality of the product. Farmers of the years ahead will breed, select, feed and harvest or process their crops to meet specific market and nutritional demands. This frontier of advancement never will be closed. A better, healthier America depends on the quality of men and women who operate our farms. It is a great challenge.

So again I want to urge our best young men and women to look for the opportunities in farm ownership and its successful operation. There is no worthier goal.

Arthur Capper
 Washington, D. C.

May Extend Price Support 2 More Years

By CLIF STRATTON

Kansas Farmer's Washington Correspondent

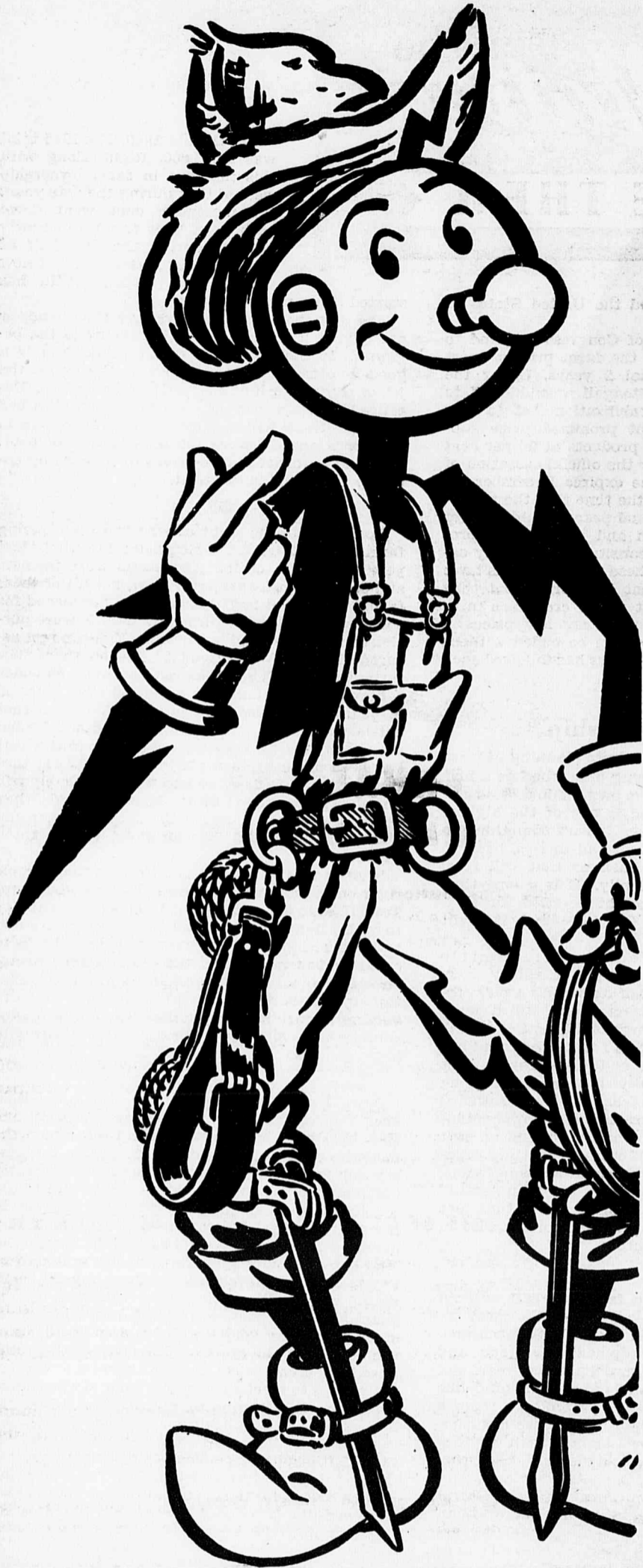
WASHINGTON, D. C.—Instead of enacting into law a long-term national farm program, the next session of Congress may find it more necessary to extend and clarify the present support price program for another 2 years. Looks today as if the postwar transition period may stretch into 1950.

war needs, the Government decided that to win the war American farmers would have to produce a number of commodities in volumes that would be beyond any conceivable market de-

mands in peace time. So legislation was written guaranteeing price supports at not less than 90 per cent of parity for about a score of farm commodities. This was done in the so-

called "Steagall amendment" to the Price Control and Stabilization Act. The price support program was to remain in effect 2 full calendar years after the cessation of hostilities.

Last December 31, a few hours before the end of the calendar year 1946, President Truman proclaimed the "ces-
 (Continued on Page 32)



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Perhaps the "highline" hasn't come past your farm yet. But until it does, remember: An ALL-ELECTRIC farm home is WORTH WAITING FOR!

A TIMELY MESSAGE FROM THE
ELECTRIC COMPANIES OF KANSAS
 PIONEERS IN RURAL ELECTRIFICATION

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All-Electric Service is worth waiting for!

The Surprise of Your Life

By DICK MANN

HAVE you ever seen your farm from the air? If you haven't the chances are you would get the surprise of your life. You would see your farm's problems more clearly in 10 minutes than you ever have in the years you have tilled its soil.

At least that was my experience. I have been calling on Kansas farmers for nearly 5 years, but I never really had seen your farms until I flew over them.

With Charles Howes, of the Kansas Farmer advertising staff, I flew from Topeka to Hutchinson and back. We made the trip to get a preview of the the 1947 Kansas State Fair. Going out we flew at 600 feet, which gave us a good chance to examine individual farms all along the route. Coming back we flew just under 6,000 feet, where we could observe farming operations for 10 or 15 miles in all directions.

Whether flying at 600 or 6,000 feet, the one thing that impressed us most is the fact that we have a tremendous soil conservation job ahead of us. From the plane you can see only a few comparatively small areas where effective conservation programs have been completed. These areas are separated by great expanses of unprotected farm land.

One thing you notice is that soil conservation work usually follows a community pattern. That is, you seldom see an isolated farm that is following a complete conservation program. Instead, you see an area where several neighboring farmers have adopted these practices. You get the impression that these completed areas are the centers from which conservation will spread in an ever-widening circle until all of the soil is protected.

But when you see how much is left to be done, you realize that it may be 50 years or more before the task is completed.

Can See Thru Crops

In the meantime, from the air, you can see the terrible toll being taken on the slopes by erosion from wind and water, and from poor drainage in the bottomlands. Even where fields are covered by crops you can see right thru to the soil and pick out the spots that are badly washed and poor in fertility. Of course, these spots are reflected by a thin stand of the crops and you are amazed at the extent of the damage. But even if this were not true you could tell the poor soil by the color. I remember hearing Dr. Harold Myers, head agronomist at Kansas State College, say once that soil is like people. It turns gray with age and loss of vitality. This can be seen plainly from the air.

Sometimes you can pick out abandoned cropland that has been reduced to a maze of draws too deep to allow farming. Some of these fields are too seriously damaged even for retirement to pasture. You look at one of these places and say to yourself: "Well, we humans tossed that field out the window."

Going over the bluestem pastures of Wabaunsee and Morris counties at 600 feet, you can see the effects of either overgrazing or proper management. One pasture will be covered with a carpet of fine grass and be sprinkled with fine cattle. The next will be partially taken over by weeds and brush and be badly scarred with erosion.

Flying back over these hills at 6,000 feet you can see right thru the grass and pick out the rock formations un-

derneath. These formations are piled in layers with ever-widening bases. At 6,000 feet the hills look like huge piles of cake batter just poured into the pan.

From that height, too, you can tell where the floods start. Over on your right you notice a slope that has started to wash and where gullies have formed. These gullies are like spread fingers laid down on the slope and converge at the base. As you follow their course, you can see where other fingers from other slopes join in to form an ever-widening waterway. A few miles distant a creek is formed which, in turn, leads to a river beyond the horizon. By shutting your eyes you can visualize this river joining others until, in one mighty flood, it spews into the ocean. With it goes annually millions of tons of productive soil.

Turning One Little Ribbon

Another thing that impresses you from a high altitude is the magnitude of the task of tilling the soil. As you look down you see cropland in neat patterns stretching for miles in all directions. Immediately below a tractor and plow can be seen turning over one little ribbon of this vast expanse.

The efforts of this single operation seems so futile when compared to the size of the job you can see. Yet you realize that thousands of farmers with tractors and plows, each turning over little ribbons, have it all prepared in a very short time. You feel like taking off your hat in respect for the work they are doing.

In another spot you see a threshing crew at work. Their tiny racks picking up even tinier shocks make the scene unreal, like a toy farm at the fair. It is difficult to believe those small figures are real farmers doing a familiar task.

Field patterns always are interesting from the air. By them you can spot the good farms and the poor ones; the neat ones and the careless ones. One field I remember particularly was an L-shaped piece. It had been worked in such a manner that it looked like a giant knitted sock laid out to dry.

But a thing of real beauty is a neat and well-improved farmstead surrounded by fields that have been terraced and are being farmed on the contour. The contour pattern of every field is different, outlining all kinds of unusual shapes. When you see such a farm you note immediately that the colors of the fields are a deeper shade and are not spotted with thin areas that show thru.

When you see such farms you forget the poor ones and say to yourself: "This is what Kansas farmers are doing. We have the best farmland in the country and we're going to keep it that way."

Use Care Here

A strong, durable foundation is the first requirement for either a new or remodeled farm building, points out R. S. Knight, Kansas State College extension engineer.

Engineers say emphatically that the cost of a good foundation will be repaid by the greater service of the building and greatly reduced maintenance cost.

"A properly designed and constructed foundation," says Mr. Knight, "will insure uniform weight distribution, guard against damage from termites and rodents, and add years to the life of the building."

Help Pick Master Farmers

MASTER FARMER NOMINATION BLANK

I wish to nominate (Name of candidate)

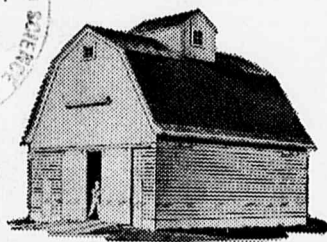
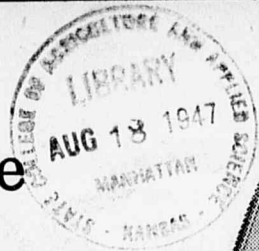
..... (Post office and county address of candidate)

..... (Name and address of person making nomination)

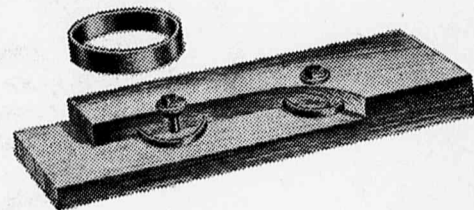
All nominations must be mailed to Kansas Farmer, Topeka, by September 1, 1947.

If you wish to offer the name of a candidate for the Master Farmer Award, please fill out this coupon and send it to Kansas Farmer, Topeka, by September 1, 1947.

Use the
right
materials ..>



at the
right
places ..>



WITH THE WEYERHAEUSER 4-SQUARE FARM BUILDING SERVICE

This combination corn crib and granary illustrates an outstanding *extra-value* feature of the Weyerhaeuser 4-Square Farm Building Service. Buildings of this type must stand up under terrific loads... and in the design shown here, the needed strength is doubly assured by use of the *right materials at the right places*.

First, framing members and bracings have been selected for high load bearing strength. Second, the Teco split ring metal connector shown above makes it possible to use 80% to 100% of the working strength of the wood members, as compared to ordinary bolt construction which utilizes only 40% to 60% of the wood strength. With the Teco split ring, great strength is obtained with lighter wood members and a consequent saving in material cost.

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Before you build, plan with this helpful Service. Your lumber dealer will gladly explain its many different features, and show you why good wood buildings are the best farm buildings.

FREE! FARM BUILDING BOOK... If you would like a condensed edition of these building plans, mail this coupon today.

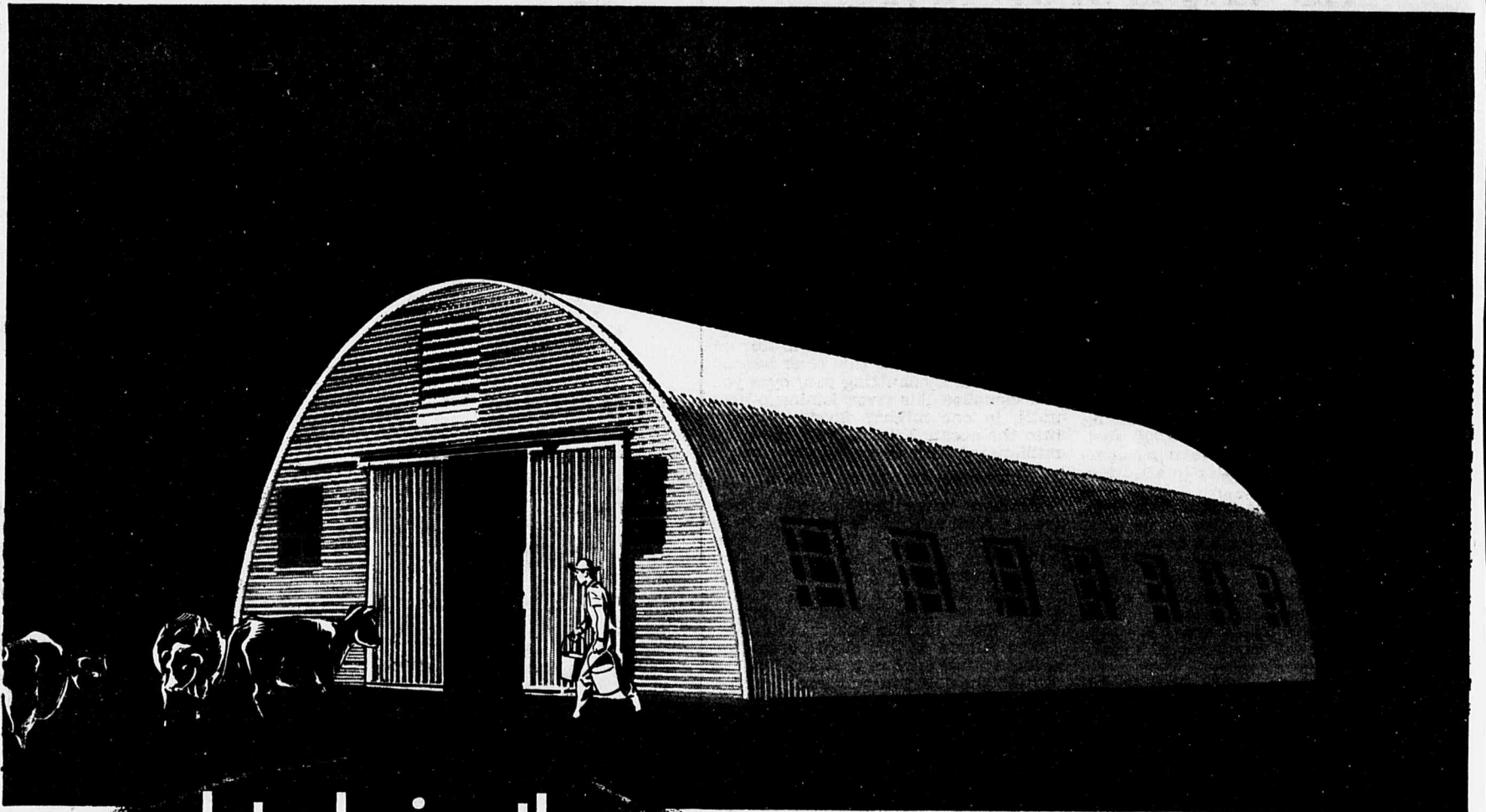


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Address _____
Town _____ State _____

WEYERHAEUSER 4-SQUARE LUMBER AND SERVICES



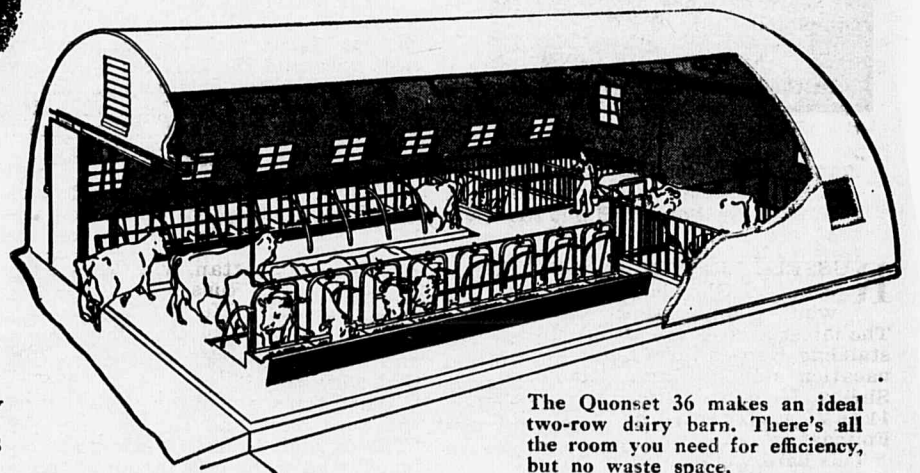
Introducing the QUONSET 36

HERE it is—the new Quonset so many of you have asked for. It's 36 feet wide, and as long as you like, in extensions of 20 feet.

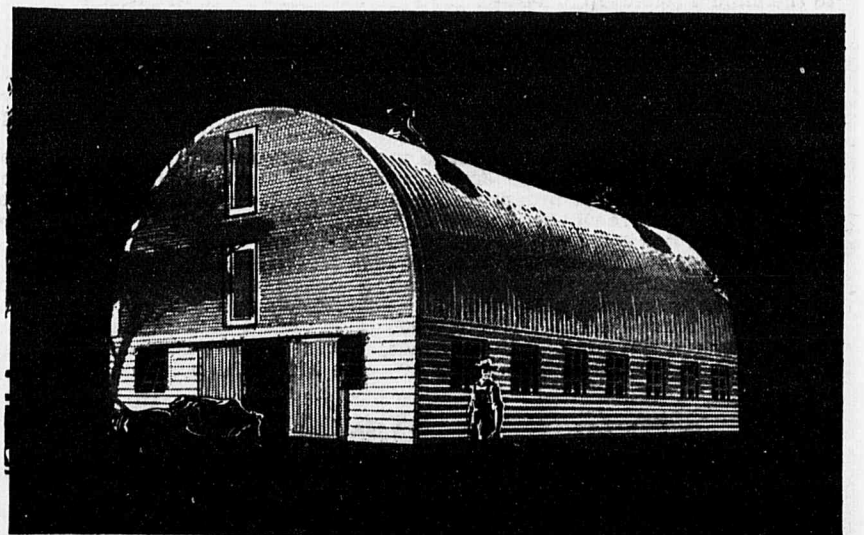
Now you can have all the advantages of Quonset construction, Quonset economy and Quonset permanence in a standard 36' x 60' building!

Like all other Quonsets, the new Quonset 36 is steel throughout—framed with steel and covered with steel. It's easily and quickly erected. It's strong, sturdy, fire-resistant and termite-proof. And the exclusive nailing groove in the steel framing makes possible any practical arrangement of windows, doors and inside partitions you wish.

Farmers everywhere have found that Quonsets offer today's top building value! See your local Quonset dealer for complete information about the new Quonset 36 and the other famous Quonsets... or write us direct for your dealer's name and location.



The Quonset 36 makes an ideal two-row dairy barn. There's all the room you need for efficiency, but no waste space.



With a base of concrete, cinder block or other suitable material, a two-story Quonset 36 can be easily erected. The Quonset 36 shares the versatility of all Quonsets.

"QUONSET" TRADE-MARK REG. U. S. PAT. OFF.



GREAT LAKES STEEL CORPORATION

Stran-Steel Division • Dept. 13 • Penobscot Building • Detroit 26, Michigan
UNIT OF NATIONAL STEEL CORPORATION

Fine Crop of Wheat Royalty

State Winners to Be Named at Hutchinson

WHEAT kings and queens, champion wheat growers and bread bakers now are being chosen in county competition to compete for state honors at the Kansas State Fair, Hutchinson, September 14 to 19. The Wheat Festival program opened on July 25, with one of the most successful programs conducted in Geary county. The program has a two-fold purpose of promoting the production of better Kansas wheat, and raising money for the first phase of the building program at Rock Springs Ranch, State 4-H Club camp. Shown in the pictures are Marie Baresel and Kenneth Hartung, candidates of the Clark's Creek Club, who were selected as Geary county's wheat king and queen.



Marie Baresel
"... Geary county wheat queen ..."

Geary county set a fast pace for the county Wheat Festivals to follow, by turning in 2½ times its quota of wheat, or more than \$5,000 for the State Camp on July 25. Keen competition among the 8 clubs of the county resulted in collection of 2,507 bushels of wheat instead of the 1,000 quota asked. Word from Geary county is that wheat is still being donated, and will be accepted in all counties until September



Kenneth Hartung
"... Geary county wheat king ..."

1, when entries and summaries are due for state competition.

Substantial state awards have been announced for the state wheat king and queen. The queen will receive an 11 cubic foot home freezer unit and a trip to Washington, D. C. The king will receive an all-purpose farm tractor and an educational trip to the national capitol. The International Harvester dealers of Kansas are providing the freezer locker and the tractor. The trips to Washington will be given by the flour milling industry of Kansas.

The Kansas wheat grower who exhibits the champion bushel of wheat at Hutchinson will win an all-expense trip to the International Hay and Grain Show and the International Livestock Exposition at Chicago in December, with the Simpson-Romeiser-Evans Grain Company as the donor. A similar trip will be awarded to the homemaker who shows the best loaf of homemade bread at Hutchinson.

To be eligible to compete at Hutchinson the counties sending contestants and exhibits must have contributed at least 75 per cent of the wheat donated in the county directly to the State Camp.

Making a Fine Record

RUSSELL FREY, 16-year-old Riley county 4-H'er, is getting used to winning high honors and offices. The latest award received by this outstanding Kansas farm lad is a 13-day vacation stay at Camp Minniwanca, Shelby, Mich. The camp, held August 11 to 24, is sponsored by the Danforth Foundation.

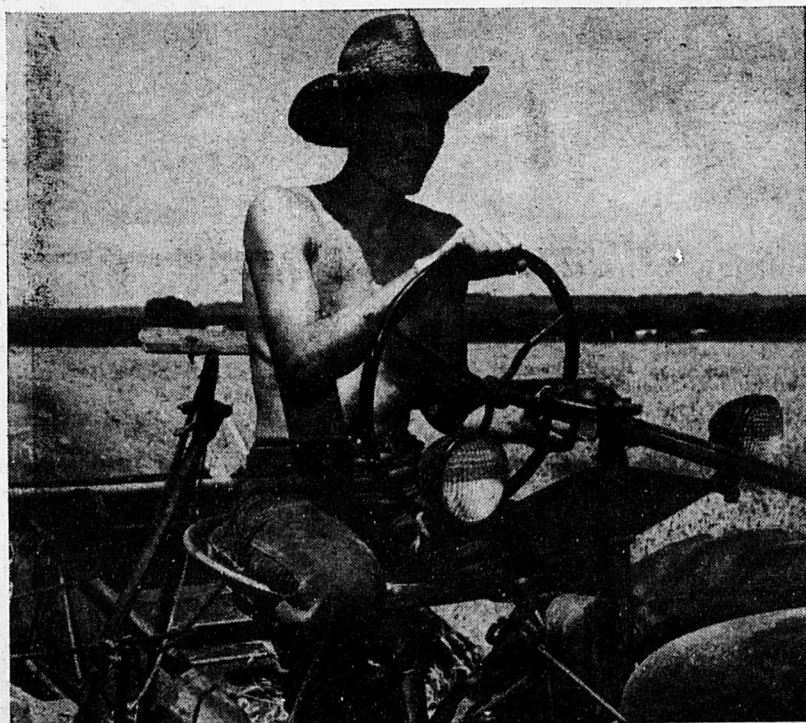
This hard working farm boy also is president of the county 4-H Council, president of the Strong Community 4-H Club, and was one of the delegates to the annual round-up of 4-H'ers held on the Kansas State College campus this spring.

Besides helping his father, Lester


Frey, R. 4, Manhattan, with the farm and dairy work, Russell is handling four 4-H projects. He also finds time to play second base for the local junior American Legion baseball team. He was graduated from Manhattan high school this spring and plans to enroll in the pre-veterinary course at Kansas State College this fall.—Dennis Glaser.

Vacuum Overshoes

When galoshes and overshoes become dusty inside, I insert nozzle of upholstery tool of my electric sweeper in them, which cleans the inside thoroly.—Mrs. R. E. Lofts.



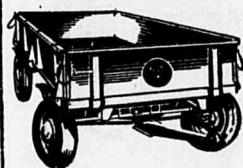
Russell Frey, Riley county, earned a vacation in Michigan. Will enroll at Kansas State College this fall.




The Most Popular

GRINDER

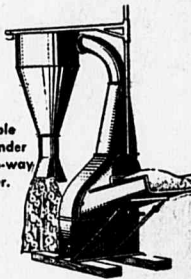
THAT HAS EVER BEEN BUILT




Four-wheel Wagon can haul 100 bales of hay.



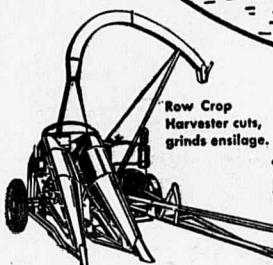
Blower and Silo Filler can move grain, fill silos.



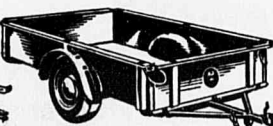
The Double Duty Grinder with two-way sack filler.



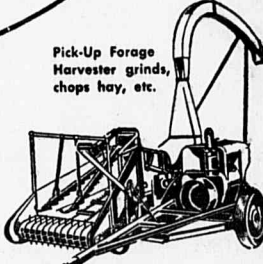
Skyline can chop feed, elevate it into the silo.



Row Crop Harvester cuts, grinds ensilage.



Two-wheel Trailer is versatile. With insert, it is manure spreader.



Pick-Up Forage Harvester grinds, chops hay, etc.

USED THE YEAR 'ROUND

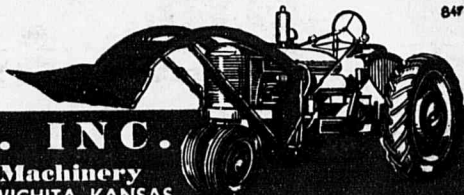
Winter or summer, the Skyline Double Duty Grinder saves time and labor on the farm. This machine can grind grain, chop and shred roughage or alfalfa, or fill silos. In one hour the Skyline Grinder can:

- Chop and shred 15,000 pounds of alfalfa or the same volume of roughage—or
- Grind 12,000 pounds of shelled corn, 4,500 pounds of ear corn or barley, or well over two tons of oats.

Skyline's tremendous capacity with power from any 2-pow tractor makes it a valuable piece of farm machinery. See it at your dealers today.

SKYLINE "90" HYDRAULIC LOADER

Has dozens of farm uses. Twin finger-tip control. 4 attachments. Mighty, sturdy. Write us for detailed literature.



DAVIS MFG. INC.
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EASY* YESSIR! WHEN YOU WANT TONGUE-EASY PIPE COMFORT...LOAD UP WITH PRINCE ALBERT ... the world's largest-selling tobacco!

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CRIMP CUT
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THERE'S NO OTHER TOBACCO LIKE PRINCE ALBERT FOR TONGUE-EASY PIPE COMFORT AND RICH-TASTING SMOKING JOY!

"Prince Albert has been my smoking favorite for years," says Andrew J. Doherty. "I like the mellow, rich-tasting smoke P.A. gives me. And P.A. smokes cool and mild — easy on my tongue. P.A. is real smoking joy!"

Andrew J. Doherty

* Choice tobacco specially treated to insure against tongue bite.

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TUNE IN Prince Albert's "GRAND OLE OPRY" Saturday Nights N.B.C.

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KILL ALL FLIES

Placed anywhere, Daisy Fly Killer attracts and kills flies. Guaranteed effective. Neat, convenient — Cannot spill — Will not soil or injure anything. Lasts all season. 25c at all dealers. Harold Somers, Inc., 150 De Kalb Avenue, Brooklyn, N. Y.

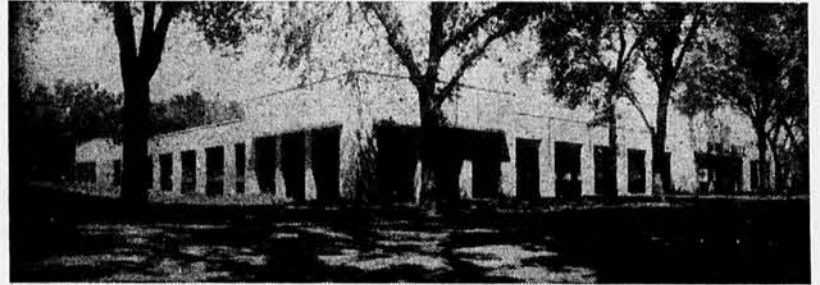
DAISY FLY KILLER

CANVAS COVERS

Waterproof Tarpaulins, War Surplus, (Used), good condition. Originally made for tents. Approx. 6' x 8'. Two buttoned together make approx. 80 sq. ft. Complete with buttons attached. Suitable for use as canvas dams, hay covers, truck covers and many other uses. Packed in bales 40 each, priced 40 covers, \$1.00 ea.; 15 covers, \$1.50 ea. Less than 15, \$1.75 ea. All F.O.B. K. C.

AMERICAN SUPPLY CO.
329 W. 5th, Dept. MF, Kansas City, Mo.

Free Fair Dresses Up
Biggest Help Is New Swine and Sheep Barn



The giant new swine and sheep barn at the Kansas Free Fair, Topeka, contains 422 pens and 2 judging rings. It replaces the old frame sheds.

FARMERS visiting the Kansas Free Fair this year at Topeka, September 6 to 12, will hardly know the place, so many changes have been made, announces Maurice Jencks, secretary-manager.

The biggest change visitors will find is the new swine and sheep barn. All of the old sheds have been torn down on the west side of the fairgrounds and a modern brick swine and sheep barn erected to hold all exhibits. Placed just north of the new 4-H Club building completed last year, the swine and sheep barn is 185 feet wide by 284 feet long, with about 1½ acres of floor space. It contains 422 pens and 2 judging rings and wash racks for preparing animals for exhibits.

Another building completely remodeled is the old motor hall, across south from the home economics building. This former frame building has been remodeled with a modern brick front and will be used as an exhibit hall for industrial products in addition to the old industrial building. Nearly all the space in both buildings already has been sold, Mr. Jencks reports.

The northwest corner of the fairground, formerly occupied by swine and sheep sheds, will be used this year for farm machinery exhibits, in addition to several other large areas formerly used for that purpose.

A new 5½-acre parking lot has been opened at the south side of the fair ground, below the race track, and will accommodate about 1,600 cars, Mr. Jencks says. Three drive-in entrances on the west side are now usable in addition to the east entrances. They will cut down traffic across the fairground. All roads on the fairground now are either paving or black top.

Entries for the Free Fair this year are coming in much earlier, with indications of more exhibits than ever before, says Mr. Jencks. "We have entries for 7 beef cattle herds now where we had one last year," he adds.

Sixty-five per cent of the requests for livestock entry blanks so far have come from Kansas breeders outside

Shawnee county, 7 per cent from within the county, and the rest from other states.

Requests for premium books have been received from exhibitors in Missouri, Oklahoma, Texas, Ohio, Wisconsin, New York, South Dakota, Colorado, Wyoming, Mississippi, Washington, D. C., New Mexico, Minnesota, and Arkansas. Three times as many premium books as last year have been mailed out.

Premiums this year have been raised 67 per cent in the culinary department and more than 50 per cent in textiles. The art department, which was not competitive last year, will be back on a competitive basis this year.

Two new classes will be added this year to the livestock department. One will be for Suffolk sheep and the other for Brown Swiss cattle. Neither breed has ever had a class at the Topeka fair previously. A 27 per cent increase in premiums has been added to take care of the new class in that department.

The big Free Fair will get underway Saturday afternoon, September 6, with the Royal American shows on the midway and with the John A. Guthrie rodeo in front of the grandstand. The rodeo will be repeated Sunday afternoon. Monday afternoon there will be motorcycle races presented by the United Speed and Thrill Features, Inc. Tuesday, Wednesday and Friday afternoons there will be championship auto races presented by the Racing Corporation of America. Thursday afternoon Jimmy Lynch and his Death Dodgers will give the main afternoon performance.

The Follies of 1947, a Barnes-Caruthers presentation, will be shown every night in front of the grandstand.

Twenty-five Kansas high-school bands will appear during the fair this year, Mr. Jencks reports. This is the largest number of bands ever to attend the fair, and will add much to the color and entertainment of the event.

All we are worrying about now is space enough for all the exhibits, adds Mr. Jencks.



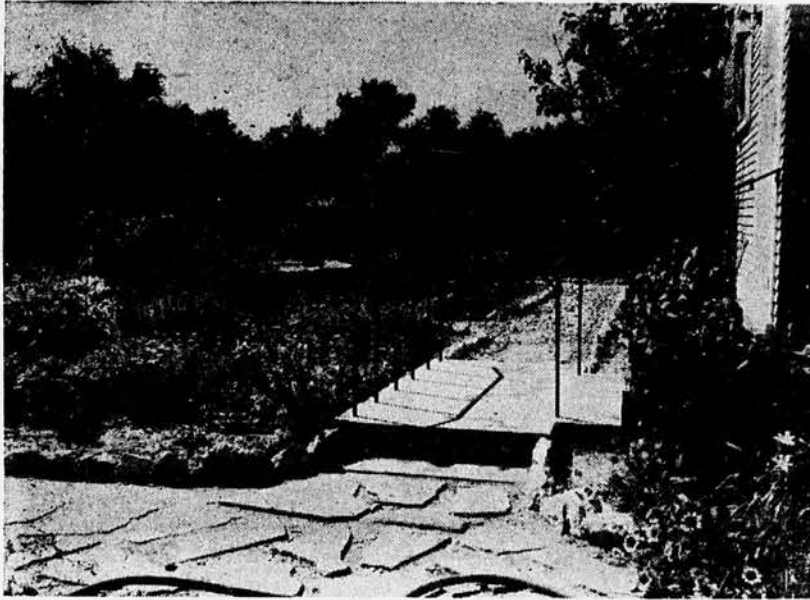
This new exhibit hall is ready for the crowds which will attend this year's Kansas Free Fair at Topeka, September 6 to 12.



Many Herefords from the National Hereford Show will come on to Topeka for the big Free Fair this year. All livestock exhibits will be large, judging from early entries.

Among Our Best Farmers

Cheyenne County Boasts of Helene Hickert



Helene Hickert, who operates a wheat and dairy farm in Cheyenne county, has made a hobby of providing an attractive setting for her modern farm home. This view is of the side yard, showing the flower garden just outside the kitchen entrance.

WHEN it comes to farming, Helene Hickert, of Cheyenne county, refuses to take off her hat to any man. She has been successfully operating 960 acres since 1929, and has built up a fine dairy herd in an area where most farmers don't do much with cows.

Miss Hickert has not neglected her home, either. In 1931 she set out a farmstead windbreak that now is one of the best in the county. Her home has been in the process of remodeling since 1929, as she makes a few changes each year.

The biggest improvements were in 1937 and 1938. She now has a completely modern home with a water system, electricity, butane gas for heat and cooking, a fine basement, and

Party Fun

For a lively party, our leaflet, "A School Days Party," offers suggestions on invitations, decorations, games and refreshments. Please send 3c to Farm Service Editor, Kansas Farmer, Topeka, for a copy of the leaflet. Supply limited.

all that goes with those improvements. Her yard is attractive with flowers and rock ornaments.

But the dairy herd of 35 fine Holsteins is her hobby. Her pasture program includes native grass, wheat and Sudan grass. Her wheat pasture usually carries the herd from October to March except when snow covered. Native grass and Sudan grass carry the load thru the rest of the year. Ground fodder is available in self-

feeders to balance the dairy ration.

In telling of her experiences, Miss Hickert says she would never again remodel an old house as you are never done and you still have an old house, altho it contains all modern conveniences. Her advice is to build a new structure.

Air Can Get Thru

When washing woolen slip-over sweaters I place them on a clean window screen to dry. In this way the air can get thru easily and the sweater dries much quicker.—Mrs. W. T.

Use Curling Iron

When packaging food for freezing, instead of sealing cellophane bags with an iron, use a curling iron. The top of the bag can be gathered and twisted with a hot curling iron in a matter of seconds.—Mrs. T. F.

Kitchen Equipment

Sandpaper is an excellent mother's little helper. I keep a square or two of it in the kitchen to assist me in persuading stubborn jar lids to please give up and release their grip on the jar.—F. F.

Oil Prevents Corrosion

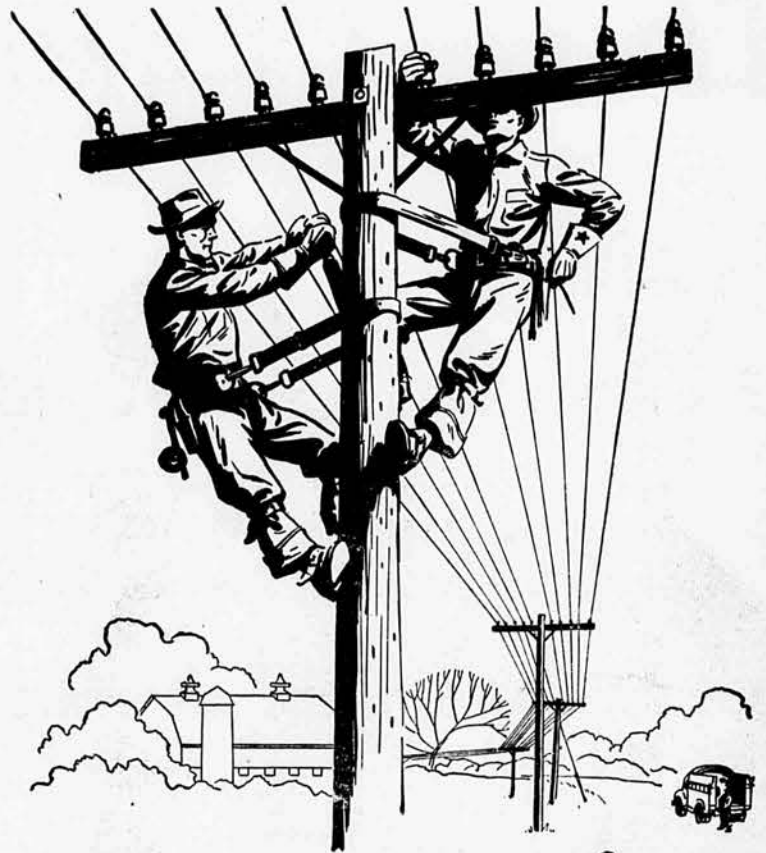
If nickel fixtures in the bathroom are wiped with an oiled cloth, it will prevent corrosion.—Mrs. T. F.

For Milady's Shoes

A curtain rod makes a handy shoerack. Just tack it on the inside of the closet door and hang the shoes on it by their heels.—Mrs. F.



This is part of the fine Holstein dairy herd maintained by Helene Hickert. Her pasture program is the secret of success.



*Good farm
telephone
service*

**...is their
specialty**

Southwestern Bell construction crews are building more rural telephone lines than ever before.

More than 100 rural projects are now under way in Southwestern territory. Others are scheduled to start soon. Nearly 40,000 new telephones already have been installed in Southwestern Bell rural areas since the program began in 1946.

We won't get around to everybody this year, of course. The job's too big. But ultimately we expect to make good telephone service available to every rural resident in our 700 exchanges.

SOUTHWESTERN BELL TELEPHONE COMPANY



What About Next Year's Supply of

PIONEER

Hybrid Seed Corn?

Everyone knows that corn is less mature than normal.

That while the freeze of May 28th; and the subsequent rains of early June did reduce the quantity—we look forward with confidence to a seed crop of high quality.

There are also these re-assuring factors:

Every Garst & Thomas PIONEER seed field is extremely well fertilized.

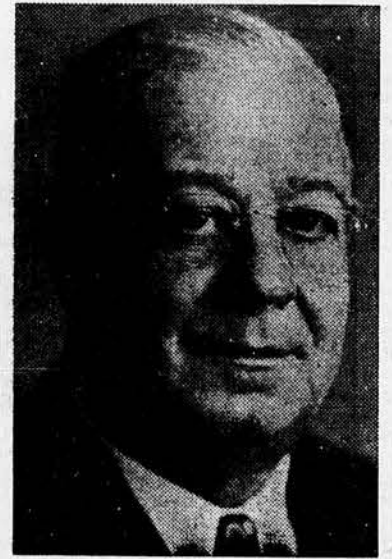
That we have the largest per-bushel drying capacity in the industry.

We hope, and expect, to have enough PIONEER Hybrid Seed Corn to take care of our present customers—and, at least, a limited number of additional customers.



GARST & THOMAS
Hybrid Corn Company
COON RAPIDS, IOWA

Big Job For Miller



Will J. Miller

AS NEW chairman of the National Live Stock and Meat Board, Will J. Miller, Kansas Livestock Sanitary Commissioner, Topeka, will head that group's intensive research and educational program for the coming year.

During the past year more than 3,000 doctors, dentists, dieticians and other professional persons have been receiving meat nutrition information from the board. Thousands more saw special displays set up at their annual conventions.

Programs featuring lectures and demonstrations were presented in 139 cities. These have been centered on meat cookery, care of meat in the home, use of lard, and the food value of meat.

A coast-to-coast program of lecture-demonstrations, carried on by meat merchandising specialists, was presented in 69 cities, reaching retail meat dealers from more than 1,000 cities of the U. S. and Canada. Programs also were presented before more than 100,000 high school and college students and teachers.

Sound motion pictures teaching meat lessons were viewed by more than 1½ million persons and the board's slide-film on meat cookery was viewed by more than a million others.

Research carried on by the board indicated that babies given meat at 6 weeks old for an 8-week period showed a higher hemoglobin level and red cell count than the no-meat group.

Use of lard in the diet of eczema sufferers showed that in 85 cases of the ailment, the greatest response with lard was noted in infants and children.

Consumer research carried on by the board disclosed that the average person now is eating meat 10 times a week. The 1946 consumption of meat, it was reported, was 152.8 pounds; 26 pounds more than in the prewar period.

The 23 billion pounds of meat produced last year contributed greatly to the fact, Mr. Miller reports, that last year our food supply provided 5 per cent more calories than in prewar, 13 per cent more protein, 17 per cent more vitamin A, 50 per cent more thiamin, 38 per cent more riboflavin and 38 per cent more niacin.

Recent research has shown that protein, of which meat is a rich source, helps fight the invasion of the body by bacteria of infectious diseases. Meat is recognized as essential to surgical patients who show a protein deficiency following operations. Its value in large amounts in the diets of those suffering from severe burns has been demonstrated.

There is a growing interest in the self-service method of selling meat, Mr. Miller explains. Surveys indicate that the average homemaker buys more meat than normally at a self-service market, and that she buys a wider variety of meat cuts. Growing interest is being shown too, he said, in merchandising meat in frozen form.

Cooking meats by electronics in a fraction of the time required by old methods, is being tried in the board's research program, reports Mr. Miller.

In addition to all these activities, Mr. Miller says, the livestock and meat industry is interested in research on animal disease, the nutritive value of livestock feeds, and contribution of livestock to soil conservation.

It's a Tough Disease

By MRS. HENRY FARNSWORTH

THE discussion of poultry diseases always is interesting to the average poultry raiser because success with poultry depends much on how we are able to detect trouble in its early stages, and avoid heavy losses that will occur if disease gets a good hold on the fowls. Everyone who raises poultry over a period of years invariably will be confronted with disease problems which must be solved. Many remedies have been perfected for different diseases and these have solved certain troubles. But there is still much work to be done in laboratories and thru research work to find the best ways to control certain diseases and to find remedies that will help cure many cases.



Mrs. Farnsworth

Fowl paralysis is one disease that has proved difficult to control. It has been estimated by one of our state research laboratories that the total loss from this trouble amounts to 52 million dollars annually. It is not a new disease either, having been discovered in Hungary about 40 years ago. Those early cases were found to have a thickening of the leg and wing nerves. But conditions varied where these first cases were found and opinions differed about the cause of the trouble.

In Java where fowls were fed on polished rice as their complete diet the same trouble developed and was ascribed at that time to nutritional deficiency. In Denmark it was found that this paralyzed condition showed fowls to have enlarged livers, and such fowls while looking fairly healthy would die very suddenly. In America it was noticed that such birds that later died of fowl paralysis had eyes that lost their original color and became gray and glassy and later became blind. So it became the general conclusion that there are different forms of the disease. Gray eyes, blindness, lameness, a paralysis of the legs, wings or any part of the body could result from this disease.

May Start With One Bird

Most poultrymen have to learn diseases by outward symptoms they are able to observe. In general fowl paralysis does not affect many fowls at one time, but rather the disease may start with only one bird and then a little later another one or two show up, until the loss may be quite large over a period of a few months. The first fowl may become unable to walk and drag one leg and yet retain a very good appetite for some time. It affects the young chicks especially and fowls up to one year old, more than it is noticeable in older fowls. The crippled condition especially seems to be more prevalent as the first noticeable symptom, while with laying stock the gray eyes that indicate approaching blindness may be the first thing to be noticed. As time passes the bird loses its vitality and becomes worse gradually until death occurs.

The big liver symptoms outwardly may be few, and deaths may occur suddenly. The bird when examined will show the liver changed into a large, grayish mass and these conditions also may show up in the ovaries, spleen and kidneys. The anemia form of fowl paralysis also shows very few definite

symptoms, the most noticeable being a very pale comb. Since this condition goes with so many other poultry troubles there is nothing to be decided on this condition. All these symptoms may show up in the same flock. A virus has been found responsible for the cause of fowl paralysis and thru research work it is found almost certain to be carried in hatching eggs. At least eggs hatched from infected flocks, altho they have been disinfected, and incubated in clean incubators, and chicks raised on clean ground far removed from any other stock, will show these symptoms. Matings of gray-eyed birds have produced chicks that showed up to be carriers of this disease in a few weeks. No remedy has been found for curing fowl paralysis.

How to prevent the trouble is the main consideration of every poultry raiser. A good, healthy breeding flock past 2 years old and that has never showed any trouble along these lines is the best insurance against the trouble. One needs to be very careful in bringing in new stock, such as baby chicks, cockerels or layers. One should try to find out that there is no fowl paralysis present in the flocks from which new stock comes. While these symptoms do sometimes occur in the best-fed flocks, at the same time we should remember that any disease will get a hold better if the birds are in poor condition. If they become wormy, or infested with lice and mites they will be more susceptible to any disease, and the losses in such flocks are always greater. So good care and feed, and clean housing and ground are advisable precautions against any poultry trouble.

Idea Might Help

Never hatch from any hen that shows loss of eye color or any disease symptoms. And it is better to hatch only from birds that have gone thru a year's production and retained their vigor. I believe this would solve almost all of the trouble from any inherited diseases or weaknesses if we only allowed eggs to be incubated from such hens. I sometimes wonder how we can expect to make much progress in producing good, strong vigor and disease-free stock when we replace our flocks each year with young, untried birds, and hatch millions of chicks from such stock. It is no doubt true that the commercial poultryman who is interested only in producing eggs can make more clear money on young pullets each year. But from the standpoint of producing birds that will live and stand up well it just doesn't make sense. We should have more people supplying hatching eggs that are willing to keep their best each year, and from these older breeders we could expect more dependable production stock and better livability. Such eggs would be worth more a dozen, and chicks from such stock would be worth more. Older males should be kept that have proved their worth, instead of so many untried cockerels. Perhaps under such a system we could build up more disease-resistant strains. Let's not underestimate the value of the 2-year-old and older hens and males for breeders.

Salvage Razor Blades

A dime store glass bank with a slot in the top will take care of your husband's used razor blades. Place it within easy reach of his shaving spot and he can simply drop the used ones in the slot.—C. C.

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I wish to nominate
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 (Address of candidate, county and post office)

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All nominations must be mailed to Kansas Farmer, Topeka, by September 1, 1947.

If you wish to nominate a Kansas farm woman for recognition as a Master Farm Homemaker, please fill out this coupon and send it to Kansas Farmer, Topeka, not later than September 1, 1947.

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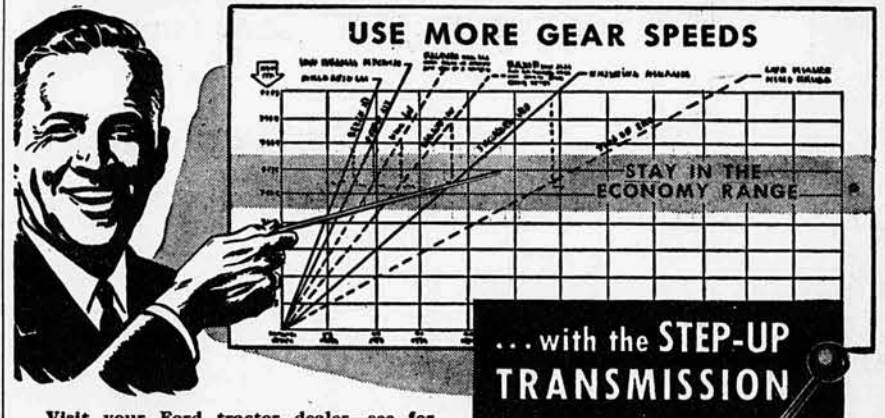
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From Ranch to Movies

Kansas Girl Leaves This Month for Hollywood



Eileene Hardin, right, and her sister, Ruby Carpenter, pose for a picture on the 3,000-acre ranch of their parents, Mr. and Mrs. Sidney Ellis, Bourbon county. Eileene, selected as queen of the Santa Fe Diamond Jubilee Rodeo, at Topeka, leaves for Hollywood this month to appear in "The Fighting Kansans" with cowboy star Eddie Dean.

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FERGUSON SYSTEM IMPLEMENTS

EVERY Kansas farm girl probably has dreamed at some time of becoming a movie queen. Such a dream is coming true of Eileene Hardin, of Bourbon county.

With her husband, Dan Hardin, Eileene is leaving this month for Hollywood, where she will appear in "The Fighting Kansans" with Eddie Dean, one of her cowboy favorites on the screen. She probably is the first Kansas farm girl to make the jump direct from ranch to pictures.

"How will you feel sitting there and watching those movie stars hold hands with your wife?" neighbors of Dan Hardin like to ask. Dan just grins and replies: "I'll watch her close to see that she does it right."

Dan is mighty proud of Eileene and it was thru his pride that she is on her way to Hollywood. The story started last spring when officials of the Santa Fe Diamond Rodeo, held at Topeka this summer, announced a state-wide contest to select a rodeo queen. The winner was to get a part in Eddie Dean's picture as a reward.

Friends of Eileene, who is a member of the Walnut Saddle Club, urged her to enter the contest but she never took it seriously. Her husband did. He sent one of her pictures in to the officials of the contest. They sent a scout down to the 3,000-acre ranch operated by Eileene's parents, Mr. and Mrs. Sydney Ellis, to see whether Eileene could ride. What he saw really opened his eyes. Eileene not only was a beautiful girl but could ride like a real cowboy. In fact, she breaks horses for neighbors all the time.

Altho the scout was impressed, and said so, Eileene still wasn't prepared for the results of the contest. "I never dreamed I really had a chance to win," she says modestly. "I almost fainted when Governor Frank Carlson read the telegram from Eddie Dean stating I was selected as queen."

The peace and calm of the Ellis ranch really was shattered after that as a

round of activities began. First, the Walnut and Hepler Saddle Clubs held a big reception at Hepler for the new rodeo queen. "It was the biggest celebration ever held in Hepler," says Mrs. Ellis. "I never saw so many horses in town at one time in my life," adds Dan. Following the ceremony, members of the 2 saddle clubs presented Eileene with a large trophy engraved with these words: "Eileene Hardin, State Rodeo Queen, 1947. Presented by Hepler Saddle Club and Walnut Saddle Club."

"I never had anything touch me so deeply," Eileene says. "I'm afraid I cried a little."

Following this celebration, the entire family came to Topeka for the big parade and rodeo, over which Eileene reigned as queen. Then, of course, there was a round of parties and activities. "It was the biggest thrill in our lives," says Mrs. Ellis.

Ever since the Topeka trip, the family has been working frantically to get Eileene's clothes ready for the trip to Hollywood. Never having been in California, she scarcely knows what clothes to take.

Upon first meeting Eileene you would never guess she was a real cowhand, but she and her younger sister, Ruby Carpenter, have been riding horses since they were 4 years old and herding cattle almost as long as they can remember. Both girls are small, 5 feet 2 inches tall, yet they tower a full 2 inches over their mother. Eileene has blue eyes, fair skin and golden hair. Ruby's hair and complexion are much darker.

Mr. and Mrs. Ellis never had any boys so the 2 girls have taken the place of men on the ranch since they were just kids. They do all the cattle herding and help with such jobs as dehorning and vaccinating. "They make better cowhands than most men," says Dan, "because they ride so well and are so quick in everything they do."

"Sometimes I never see them all



Eileene and Ruby do the cattle herding on the Ellis ranch. Here they are shown bringing in the cattle from pasture.

day," sighs Mrs. Ellis. "They go out on their horses early in the morning and work with the cattle until evening."

"Do they ever help with the housework?" we asked. Ruby answered that one, making a face as she did so. "Yeah, and how we hate it."

"Well, they do help me a little," Mrs. Ellis adds, "but Mr. Ellis needs them much more than I do and they love it so I don't have the heart to keep them in the house."

Altho the girls get a real workout on the ranch helping with the cattle they don't get enough to satisfy them. Their hobby is, as you might guess, horseback riding.

But they come by it honestly. Their mother used to ride herd on the cattle before they were born. "I haven't been on a horse for years," she adds, "but I'm getting the fever. I wouldn't be surprised if I start riding again now that the girls are grown."

We couldn't help but wonder whether Mrs. Ellis worried about the girls getting hurt by the horses. "Oh, I did a little when they were first learning," she recalls, "but not any more. They're too good now. I'll never forget, tho, how much I laughed one time at Ruby. She was just a little tyke trying to learn to ride. Her horse would buck her off as fast as she could climb on from a wagon she had to use to get high enough, but she kept right on trying. Finally, she came in and wanted to know what was the matter with her horse. I looked down at her feet and noticed that her shoe laces weren't tied. Those shoe laces were tickling her horse in the flanks every time she got on."

While Eileene and her husband are thrilled over their trip to California and Eileene's chance in pictures, they are keeping their fingers crossed. "I'm not under contract, you know," Eileene points out. "It will take only a few weeks to make the picture and that may be the end of it. If I click in this picture it may lead to a contract. I'll be happy either way as it will be a real adventure. Neither Dan nor I have done much traveling. We've been too busy here on the ranch."

"Don't you have an ambition to be a movie star?" we inquired. "I don't know, I just never thought about it. Making pictures ought to be interesting work, tho."

If Eileene is skeptical about her possible success in pictures, her mother isn't. "You just wait," she beams. "Eileene has what it takes. She'll make good in pictures if she sets her mind to it."

Will Go Ahead

The go-ahead signal has been given the AAA for resuming payments to farmers for the Agriculture Department's 265-million-dollar soil conservation program for 1947.

Previously, the program had been suspended for lack of funds when Congress failed to appropriate the 300 million dollars requested and voted to end the program next year. Congress later changed its mind and voted 265 million dollars, which is considered sufficient to maintain most of the 100,000 local committees operating on a normal basis.

Most of the 18 per cent cut in administration cost provided for by Congress will be absorbed by the Washington and state offices, it is said. Only 150 million dollars was appropriated for next year, which will mean a sharp cut in payments to farmers.



"I been swindled, Maw—I bought these readin' glasses at the store, and I still can't read!"

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in several grades to meet every farm gear requirement.



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Correct grades for every grease lubricating problem. Mobilgrease No. 2 meets most farm requirements. Free-flowing yet "stays put." Resists pounding, washing effect of water.

Sanilac Cattle Spray



Instant action — both kills and repels flies and other harmful insects. Takes only 1 to 1½ oz. per cow. Use as directed — won't burn or blister.

per cow. Use as directed — won't burn or blister.

Mobilcote 270



Protects against rust and corrosion. Easily applied to exposed metal surfaces by brush or swab — easily, quickly removed by washing with kerosene.

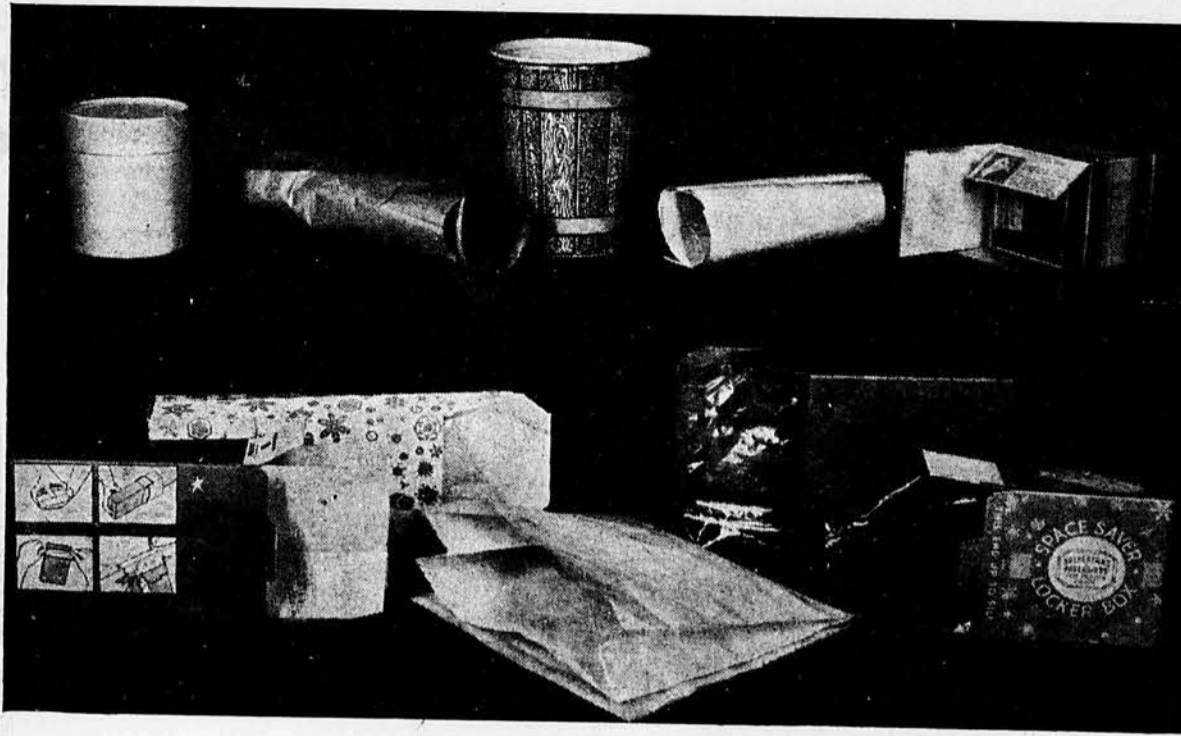
swab — easily, quickly removed by washing with kerosene.



Sanilac DDT Liquid Concentrate

Contains 25% DDT. Ideal residual spray for surfaces of barns, stables, chicken coops and stagnant pools. Gives long-lasting protection.





Good types of containers for frozen food storage.

Select the right.... CONTAINER

By ROSE S. FLOREA



A device which makes filling the cellophane bag easy and protects the top from moisture that might prevent heat sealing.

WHETHER you have one of those modern treasure chests—a home freezer locker—or a locker down town, you'll want to know just how to package your foods to retain every bit of their food value and fresh quality.

Farm families who have used a freezer locker for some time freeze about 94 per cent of their meat and around 25 per cent of their fruits and vegetables.

Of course, you'll put only the choicest products in your locker. For freezing does not improve food; it only preserves it. But the finest frozen foods may lose nutrients, flavor, color and texture if not properly packaged.

But you need no longer take this risk. Modern moisture-vaporproof containers and cellophane wrapping paper have banished "freezer burns." That was the name given to the dry, pithy surface of unprotected foods. The longer the foods were exposed, the greater the loss of quality. If properly packaged your foods will lose very little moisture in the dry air of the locker. Foods which dry out in storage may be tough and dry when cooked and have undesirable odors and flavors.

The ideal package is moistureproof and sealed so that no liquid, vapor, or air can get out of or into the packaged food. Never use a container that leaks. Use packages that are easy to fill and seal, and easy to open. Use inexpensive containers with shapes that suit the product and fit well in a locker.

Choose pint- or quart-size containers. The foods will quick-freeze more rapidly than when in larger packages. And the quicker the product freezes, the fewer the changes in the flavor, color and texture of the fresh food.

Heavily paraffined (waxed) containers with tight fitting slip-in or slip-over lids are good for storing fruits and vegetables. "The wax should be thick enough to be scraped off with the fingernail," says Mary Fletcher, Kansas State College extension nutritionist. Ordinary ice-cream cartons are not suitable. These waxed cartons are usually round and take more storage space than do square or oblong boxes, but they are sturdy and inexpensive. What's more, round cartons may be more nearly leakproof and for this reason are better for storing sirup-covered fruit.

Boxes with cellophane or other moisture-vaporproof bags (bag-in-box container) that can be sealed are good. This type container will store well in your locker. When filling the bag which is to be sealed, keep the upper inside rim clean so it can be made leakproof by heat sealing.

Tests made at the University of Missouri Agricultural Experiment Station showed that when

wrapped in ordinary waterproof paper, steaks and chops shrank nearly twice as much as when wrapped in cellophane laminated freezer-locker paper. Protect your frozen meats by using only the best wrappings.

Good paper for wrapping meat does not absorb blood, water or fat. It has no odor. It is tough and does not break when handled even when wet or very cold.

Also, you can use this paper to separate chops and steaks when preparing them for the freezer locker. Two pieces of the paper between pieces of meat will help you separate them easily when ready for use.

Cellophane bags are good wrappings for meat. You can use ready-made bags or make them from cellophane sheets by heat sealing. A stockinet or cardboard container to protect the cellophane bag makes a good package.

Tuna Fish Casserole

A nourishing, filling dish for even the hard-working members of the family.

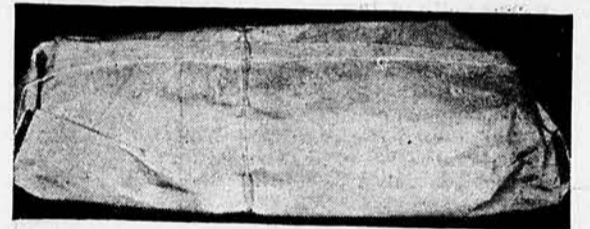
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|----------------------|--------------------------|
| 1/2 cup flour | 1 egg |
| 1 teaspoon salt | 1/2 teaspoon dry mustard |
| 1/4 teaspoon pepper | 3/4 cup dry bread crumbs |
| 6 tablespoons butter | 1 can tuna fish |
| 2 cups milk | 2 cups corn |

Make a white sauce of the flour, butter, milk, salt and pepper. Remove the sauce from the heat and beat in the egg and mustard. Add half the crumbs, the tuna fish and corn. Pour into a greased baking dish and cover with the remaining crumbs and dot with butter. Bake in a moderate oven (350° F.) for about 30 minutes or until browned on top.—Mrs. A. T. J.

Pennsylvania Dutch Salad

- | | |
|-------------------------------|--------------------------|
| 8 medium potatoes | 2 eggs, beaten |
| 1/2 cup diced celery | 3/4 cup sugar |
| 2 hard-cooked eggs, diced | 1/2 cup vinegar |
| 1 medium onion, minced | 1/2 cup water |
| 1 tablespoon parsley, chopped | 1/2 teaspoon dry mustard |
| | 1 teaspoon salt |
| | 1/4 teaspoon pepper |
| | 4 slices bacon, diced |

Boil potatoes in jackets and cool. Peel and dice. Add celery, hard-cooked eggs and onion. Fry bacon until crisp. In a saucepan combine beaten eggs, sugar, spices and water. Add bacon and cook until the mixture thickens. After cooling pour dressing over the first mixture and stir only enough to blend ingredients. Sprinkle minced parsley over the top and let stand in refrigerator until cold.—Mrs. C. W. W.



Meat well wrapped in good quality freezer-locker paper.



Sealing a fryer in a cellophane bag.



Packing a cut-up fryer in cellophane bag inserted in a cardboard box.

Modern, Cheerful, Comfortable



It's a glassed-in porch, modern with white walls, woodwork, colorful plaid draperies, cozy fireplace and plenty of comfortable places to sit. The family use it most of the year as their favorite living room.

Made Own Chair

SLIP COVERS

Are you wondering what to do about your folding chair covering? Our chair covers were in a drab state. The canvas backs and seats faded, the back-rest portions patched and unsightly.

This is how we solved the problem and our chair covers have been admired and duplicated again and again. First, we scrubbed the canvas and wooden frames. Then we waxed and rubbed the wooden portions and oiled the metal parts.

For the slip cover material we used heavy coarse feed bags. These are a woven cloth of tan and white threads. The back-rest covers are long narrow slips made to fit snugly. We lined the seat covers which extend about 3 inches at the front and sides. The front corners are cut and bound, allowing long ends of the binding for ties. At the back of the seat the binding is fastened to the hem at either side.

For the trimming we found stored in the attic a box of strong cotton

fringe cut from old net curtains. The fringe is stitched all around the back slip cover. The seat covers have the fringe trim across the front and sides only. It is stitched twice with long machine stitches.

These covers are easily removed for laundering and do not require ironing if hung properly and taken from the line and fastened on the chairs immediately. These light covers will protect your very best Sunday and dress-up clothes.—By W. W. C.

Allow for Growth

There are right and wrong ways to choose a growing child's clothes. Some patterns are unsuitable in that they do not allow for growth. Never simply make a garment too big and let the child grow up to it. Clothes too big are just as uncomfortable and unbecoming as clothes too small.

For growing girls select patterns with fullness across the front and back—these will allow for growth. A low-cut neckline will help, too, in this respect. Raglan sleeves are excellent, because they do not limit the stretch of the arm, nor width across the chest. Too, they will be less likely to tear out at the underarm seam for the active tree climber or ball player.

Allow as much as 5 inches in the hem of both slips and dresses. For small boys who wear trousers buttoned to a blouse, make the blouse

Fall Club Programs

To assist the program chairman of the club meetings, Florence McKinney, Woman's Editor, has prepared a leaflet, "Ideas for Club Program." There are several ideas for roll call which can be developed into full-length programs. For a copy of the leaflet, please address Farm Service Editor, Kansas Farmer, Topeka. Price 3c.

long enough for moving the buttons down. Turn up a wide hem on the bottom for extra strength for the buttons.

When making an overall-type garment, fit it to the boy or girl to give room for stooping and climbing. Adjustable straps with 1 or 2 buttonholes will allow for a certain amount of lengthening.

Vegetable Combinations

By MRS. M. T. E.

Got the vegetable blues at your house? Then try chasing them away with these unusual and delightfully different combinations: Fill cooked onion with creamed peas; boil large-sized turnips, scoop out centers and fill with buttered, cooked Brussels sprouts, reheat in a moderate oven for 5 minutes; wash large potatoes, scoop out center lengthwise with an apple corer and fill the cavity with well-seasoned sausage, stand upright and bake in usual way; fill baked halves of small squash with creamed corn, cabbage or lima beans; or cut each squash in half and bake with a bacon strip across the top; and do put some diced cooked celery into the scalloped corn mixture.

To Slenderize



9095
SIZES
34-48

This 2-piece frock is cut to slenderize with slim panels and a fitted jacket. Sizes 34 to 48. Size 36 requires 3 3/4 yards of 39-inch material.

Pattern 9095 may be obtained by sending 25 cents to the Fashion Editor, Kansas Farmer, Topeka.

HUBBY LEARNS HOW RED STAR DRY YEAST SAVES TIME

BAKING?...WONT THAT MAKE US LATE FOR THE CHURCH SUPPER?



LATER FINISHED ON TIME... AND SEE HOW MUCH LARGER RED STAR ROLLS ARE

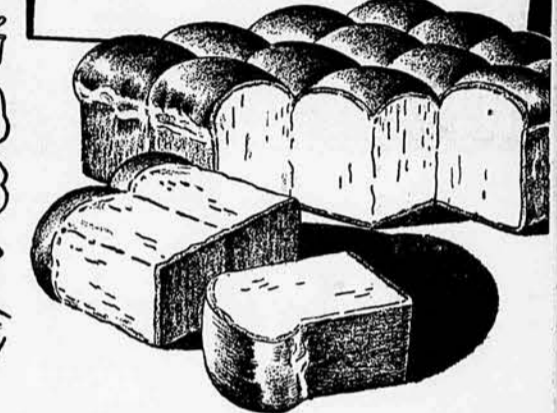


QUICK METHOD HARVEST TIME PAN ROLLS

2 teaspoons sugar
1/2 cup warm water
2 packages Red Star Dry Yeast
1 1/2 cups sour cream

3 tablespoons sugar
2 teaspoons salt
1/2 teaspoon soda
5 cups sifted flour

Dissolve 2 teaspoons sugar in 1/2 cup water. Add 2 packages Red Star Dry Yeast. Let stand 10 minutes. Scald cream. Add 3 tablespoons sugar, salt and soda. Cool to lukewarm. Stir yeast solution thoroughly and add to this mixture. Add half the flour and beat well. Add remaining flour and mix well. Turn out on lightly floured board and knead for 3 minutes. Shape into smooth ball and place in greased bowl. Brush top lightly with shortening. Cover and let rise in warm place for 30 minutes. Punch dough down. Shape into round biscuits and place closely together in a greased pan. Cover and let rise in a warm place for 45 minutes. Bake in a moderately hot oven (400° F.) 18 to 22 minutes. Makes 2 dozen biscuits.



KAY ROGERS SAYS: "You'll love Harvest Time Pan Rolls—made the RED STAR Quick Method way. Be sure to bake a batch this week."

RED STAR DRY YEAST

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A Butler Blue Belle In Your Yard Will Bring The Conveniences of Better Living into Your Home

Yes—a Butler Blue Belle in your yard marks yours as a home which enjoys the convenience of better living—the comfort and cleanliness of gas cooking, heating and refrigeration. Butler engineers, who pioneered in the development of home L. P. Gas systems, have "capped the climax" with the Butler Blue Belle. See your Butler dealer now for prompt delivery.

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HOME SYSTEMS, TRUCK and TRANSPORT TANKS

The Price of Eyes

By CHARLES H. LERRIGO, M. D.

A JURY recently awarded a man a \$10,000 compensation for the loss of one eye. If you think it too much, try to imagine parting with one of your own for that sum. And if \$10,000 is not too high for one, what would you take for both? Yet we are awfully careless about the way we use these \$10,000 organs, the strains to which we put them and the exposure we risk. We do not even use common sense.



Dr. Lerrigo

Do you ever think of "resting" your eyes? It is very simple. Just raise them from the close work upon which you are intent and look restfully into the distance. Close work always means tension for the eye. Give one minute in ten for a rest and you will be well repaid. Everyone now knows that light should fall over the shoulder upon the work being done. But why? It is to keep the glare from striking up from the work and tiring the eye. This is especially true of artificial light, but even natural light should not be allowed to glare into the eyes. If the light comes over the shoulder, protection is given. For a right-handed person using a pen or tool, the light should come over the left shoulder so as to avoid throwing a shadow on the work.

Eyes that feel tender and swollen from work may get much relief by bathing them in very hot or very cold water. If the eye membranes are inflamed use hot water and dissolve in each cupful a level teaspoonful of boric acid powder. When such conditions come repeatedly without due cause, it is a good indication to consult an eye doctor. Your eyes may need the help of spectacles.

Never rub an injured eye. If some foreign body finds lodgment, rubbing scratches the delicate membranes and drives the particle deeper. Probably the tears will wash away the offending substance if you merely close your eyes for a minute or so. Bathing the eye thoroly with boric acid solution is safe, and if done by someone skilled in turning back the upper lid and thus exposing the eye membranes, it is efficient nine times in ten.

Do not forget that altho good eyes last a lifetime they change in their focusing power. From forty on it is natural that you should find that the eye no longer sees print at close range. There is some hardening of the lens, perfectly normal for that age. Do not try to fight it without aid for it will cause needless eyestrain. An eye doctor will fit you with reading glasses and clear up the trouble.

Take no chances with the eye at any time, but be especially careful from middle age on. The eye disease known as glaucoma that has caused blindness in so many elderly persons can be successfully treated if you give your eye doctor a chance.

Boy Has Adenoids

I am told that my boy has adenoids. He breathes thru his mouth and has colds which make him snifle. Is it necessary to have an operation for adenoids, or is there some other treatment?—Mrs. R.

It is proper that every child should have a certain amount of adenoid tissue. It is only when it becomes so much swollen and enlarged as to interfere with proper breathing thru the nose that any treatment is necessary. Then the only treatment is the removal of the growth by a surgical operation. The operation is very brief and comparatively simple. The child is able to be up in a couple of days. The relief afforded in cases in which the enlargement has caused serious interference with breathing is remarkable.

Trouble Is Chronic

For the last 3 years I have had trouble with 2 of my fingernails. The flesh around the nail is most always swelled and inflamed. Sometimes it itches; again it is very painful, smarts like fire. Sometimes matter forms. I have used several bottles of peroxide and also olive oil and different remedies. It is always worse after washday.—C. M. G.

When a trouble of this kind becomes chronic—as yours is—there is little use expecting a cure by ordinary treatment. You must go to a doctor and have all the diseased nail removed and

a surgical dressing applied. This dressing will have to be changed daily for a time. Meantime you will be obliged to abstain from all such work as washing. If treated in the early stages, peroxide of hydrogen to cleanse the infection and boric acid powder applied as a dressing usually will effect a cure.

Eat More Butter

The per capita butter consumption curve is now on the upswing, according to a release from the Kansas State Dairy Association. This increase is shown despite the fact butter is retailing at 75 cents a pound. Improved quality and better sales efforts are given credit for the gain.

Sponsor Health Program

Dear Editor: The Furley 4-H Club of Sedgwick county, with the co-operation of the State Board of Health at Topeka, and the Department of Public Health, Sedgwick county, are sponsoring a health program to better the drinking-water sources and test the water used for drinking purposes in their community.

Realizing the importance of pure drinking water as one of the greatest health measures, the Furley club chose water testing as their community project.

The club members are now getting names of all those in the community who wish such service, and this in the form of a written request will be turned over to the health department and they will in turn come out, test the water, and offer suggestions as to the improvement and construction of such wells.—Helen Eilert, Sedgwick Co.

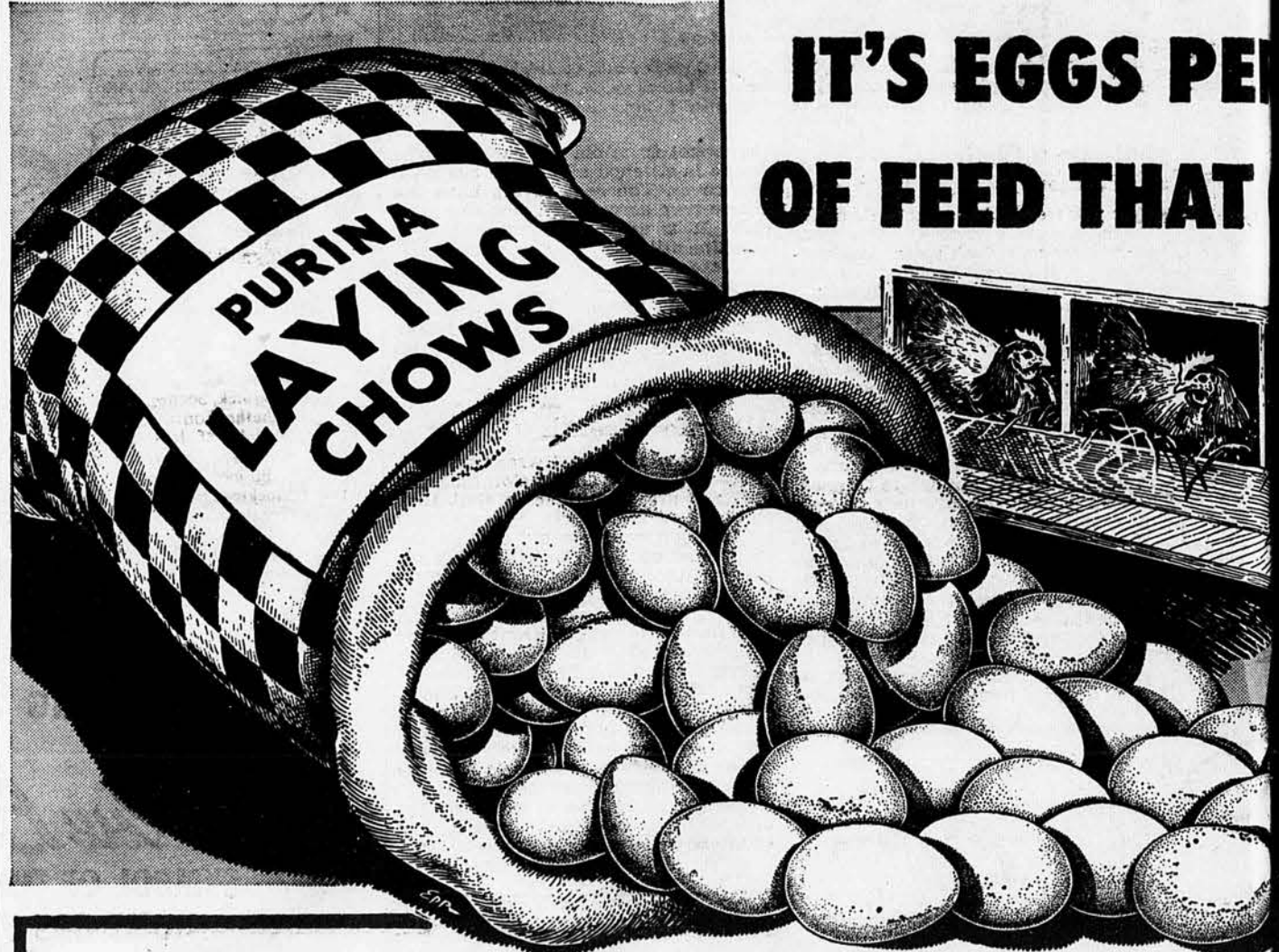
Corn to Fit Needs

Research on breeding new strains of hybrid corns, to give a better nutritional balance with the forage of roughage fed to beef, dairy and swine herds, looks promising, state U. S. Department of Agriculture scientists.

A recent report suggests the possibility of breeding corn strains that will have higher or lower-than-average proportions of some of the amino acids. These amino acids have been described as the "building blocks of protein."

Some inbreds are high in a few of the amino acids and low in others. The same is true of all types of hay crops. By analyzing his hay crops, a farmer then could pick a corn that would balance the amino shortages in the roughages.

If further experiments prove out the theory, the time may come when hybrid corns will be bred for specific feeding qualities.



IT'S EGGS PER
OF FEED THAT

When you Buy Purina you Buy

Maybe you never thought of it just this way, but when you buy feed for your laying flock, you are buying eggs in a bag. You feed for eggs and your profits come from eggs. And it naturally follows that the bag of feed that makes the most eggs almost always will make the most profits!

PURINA BUILDS THE EGGS INTO THE BAG

Constant testing at Purina's world-famed Research Laboratories and Research Farm is your guarantee of top-quality ingredients in the right egg-making balance and blend. The profitable results obtained by many thousands of satisfied Purina feeders—some of them your neighbors—are proof that when you buy Purina you buy eggs!

THIS YEAR EXTRA EGGS WILL PAY

The egg profit outlook for fall is good. Just 3 or 4 extra eggs per bird every 30 days can make a big difference in profits. Hens laying 200 eggs a year are 2 to 3 times as profitable as hens laying 140. That's why the feeding program for your layers is so important.

See your Purina Dealer for a Laying Chow to fit your need—and some helpful suggestions for getting lots of eggs out of your birds.

RALSTON PURINA COMPANY
ST. LOUIS, MISSOURI
Kansas City • Denver • Omaha • Wichita

1. IF YOU HAVE MODERATE SUPPLIES OF GRAIN...

Balance it with

PURINA LAY CHOW



If you prefer the grain and mash plan, keep Lay Chow in open hoppers before the birds at all times. Birds will eat about the same amounts of Lay Chow and grain.

2. IF YOU HAVE NO GRAIN AT ALL... Feed Complete PURINA LAYENA



Supplies everything laying birds need. Even oyster shell is unnecessary! Easy to feed. Built for top production of finest quality market eggs.

Something New for Fruit Growers

By JAMES SENTER BRAZELTON

WHEN the 70-acre Connett orchard south of St. Joseph, Mo., was dusted with DDT the other day by an airplane cruising along the rows at 2 to 3 feet above the trees it marked an innovation in pest control methods in this fruit growing section that promises to revolutionize the industry here. Dusting the Connett orchard by this ultra-modern method was the first work of this kind ever done on a commercial scale in this 4-state area.

The plane doing the work was supplied by the Ware Aircraft service of Lawrence, Kan. It carried about 300 pounds of DDT mixture in a hopper that fed the dust from between the wheels. The flow of dust, controlled by the pilot, could be regulated so as to spread from

10 to 15 pounds an acre, the swath of the dust being about 16 feet.

Coincident with this local event, it is interesting to note that one aircraft corporation announces it will build and ship to customers in the United States, Canada, Argentine and Sweden 80 dust-distributing helicopters. These craft are designed so they will fly slowly over orchards, vegetable tracts and cranberry bogs spreading clouds of insect-destroying dust blown out by air from the engine cooling fan. The downwash of the rotor blades swirls the dust onto the undersides of the foliage.

Helicopters of this type have been used with success in apple orchards in Washington, where between 100 and 200 acres have been thoroly dusted in

an hour. The Civil Aeronautics Authority has issued an air worthiness certificate for commercial ships of this model.

In this machine age when there is a mechanical robot for almost every task, the fruit growing industry has not lagged behind. New inventions for eliminating waste of human energy, cutting costs of production, and speeding up the accomplishment of necessary tasks, have kept pace with the trend of the times.

The slow and tedious job of pruning is now made easier with power pruners. Growers using this new device report up to 6 times more pruning per man with the new air-operated pruners that cut limbs up to 1 1/4 inches thick at the press of a trigger. A small all-aluminum compressor provides air pressure for operating from 1 to 4 of these pneumatic pruners at one time. Eliminating the tiresome manual oper-

ation of ordinary clippers pruning time is cut 50 per cent or more by its use. These pruners are available in 5- and 10-foot lengths, and the whole outfit including compressor is said to cost only a little more than \$100.

I have long dreamed of a device that would crush the prunings of orchards and vineyards so that this valuable material could be returned to the soil instead of being destroyed by burning. It has been my hope that someone with more inventive genius than I would bob up some day with a machine that would do this. And now, someone has. There actually is on the market a machine called the Mitts and Merrill Brush Hog which reduces pruning residue to chips and spews them out the rear, either direction onto the ground or into a trailer drawn behind, as it moves down the row. This residue when returned to the soil will help build up organic matter.

Of interest to cherry growers everywhere should be the mechanical cherry pickers used in a limited way in harvesting this year's cherry crop in Southwestern Michigan. The outfit consists of a light aluminum rod to which is attached 2 mechanical hands. The hands are controlled by a hand lever which the operator squeezes after the hands are run behind a cluster of cherries. The lower hand drops down as the lever is squeezed, pulling the cluster of cherries into a canvas bag. It is said the mechanical picker doubles the picking capacity of the operator.

Michigan inventive genius seems to have been spurred to action this season for another device, for increasing the speed of a slow operation was put to practical use on a farm near Keeler, Mich. Modeled after a contraption that had been used previously in another section of the country for harvesting tomatoes, strawberries were picked on a Michigan farm by 14 pickers lying on the padded floor of a 2-wheeled vehicle that was pulled by a tractor across the patch at 4 miles an hour. Where the fruit grew thick brief stops were made, just long enough for the reclining pickers to get all the berries. Picking was done in the shade for a canvas covering provided protection from the sun.

As the harvest season for the 1947 apple crop nears, growers will be interested in the new aluminum picking ladders which have many commendable features. Besides their lightness, which, of course, makes them easy to handle and consequently speeds up picking, they are said to do much less damage to trees and fruit. There is a non-skid tread on the steps which make them safer. Upkeep expense adds up to nothing for they require no painting and they do not break. An important item, as far as pickers are concerned, is that there is no danger of splinters.

Another new device, timely soon, is the fruit pressure tester by means of which the proper time to harvest a crop may be determined. Maturity stages of apples, peaches and pears may be tested in pounds by this new method in accordance with tables established by U. S. D. A.

While on this subject of the mechanization of ordinary farm jobs I might mention a new piece of machinery we have recently added to our equipment here at Echo Glen Farm. It is a small power mower, by means of which we can cut weeds and grass under fruit trees without injuring them. We got it especially to use in the grape vineyard, because we found it necessary to stop cultivating the grapes due to the fact we were losing our soil on the hill-sides and gullies were forming between the rows. This lightweight, self-propelled power scythe, cutting a 36-inch swath, does a fine job in the grapes. One man can cut 4 to 6 acres in 8 hours.

Have Hybrid Trees

Now they are growing hybrid forest trees. U. S. Department of Agriculture scientists say we may yet have hybrid forest trees that will grow to harvesting size in one half to one third the time required for non-hybrids.

Already there is a hybrid pine that at 3 years is more than twice as tall and 3 times as heavy as the better of its 2 parents. In another 20 years the forester will be using and discussing hybrid tree strains as casually as farmers now discuss their hybrid corn.

Should forest tree hybridization prove successful on a wide scale, farm wood lots could be made to produce 2 or 3 times the volume of timber now possible, it is claimed.

BAG
OUNT



BUY EGGS!

IF YOU HAVE ABUNDANT SUPPLIES OF HOME GRAIN... Select One of These for EGGS!



For Grinding and Mixing...
PURINA CHOWDER

Takes only a tablespoon per hen per day to balance your grain for lots of eggs. Ask about Approved Purina Formulas and Custom Mixing Service.

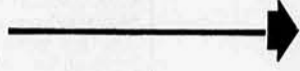
If You Don't Grind and Mix...
SELF-FEED NEW

PURINA EGG CHOW

Self-feed with whole grain. Hens select what they need to make eggs... about 2/3 grain... 1/3 Purina Egg Chow.

IN KANSAS

- Abilene, Farmers Elev. Co.
- Ashland, Wallingford Elev.
- Augusta, Scholfield Hatchery
- Belleville, Hall Mill & Elev.
- Beloit, Jones Feed & Seed
- Bonner Springs, Coleman Coal & Feed Co.
- Burlington, Solsby & Browning
- Cedarvale, L. C. Adam Mercantile Co.
- Chetopa, Karns Gr. Prod. Co.
- Cherryvale, Cherryvale Gr. Co.
- Council Grove, Hammer Coal & Grain Co.
- Denison, Farmers Union Co-op. Ass'n
- Edna, Edna Produce
- El Dorado, C. E. Powell Gr. Co.
- Elkhart, Elkhart Co-op. Equity Mills, Inc.
- Emporia, Kansas Soy Bean Mills, Inc.
- Eureka, C. T. Agrelus Fd. Co.
- Fredonia, Cox Prod. & Grain Co.
- Ft. Scott, Chas. Leist Feed & Sd.
- Ft. Scott, Nat'l Coal & Ice Co.
- Garnett, A. H. Fawkes & Sons
- Great Bend, Barton Co. Hat'y
- Holton, Farmers Union Co-op.
- Harper, The Imperial Flour Mills Co.
- Herington, Farmer's Grain & Supply Co.
- Highland, Derrick Barber Grain Co.
- Hillsdale, Hillsdale Elevator
- Hope, The Farmers Co-op.
- Humboldt, Farm Service Stores Inc.
- Hutchinson, Orth's Feed & Seed Co.
- Hutchinson, Salt City Hat'y
- Iola, Farm Service Stores, Inc.
- Junction City, Hart-Bartlett Sturtevant Grain



- Kansas City, Crawford Hat'y
- Kansas City, Dyer & Co.
- Kingman, The Goenner Hat'y
- Kiowa, Circle Hatchery
- Lane, Gerths Breeder Hat'y
- Larned, The Pawnee County Co-op. Ass'n
- Lawrence, Douglas Co. Hat'y
- Leavenworth, Hibbs Farm Service
- Liberal, Security Elev. Co.
- Louisburg, Owens Feed & Prod.
- Lyons, Wells Hatchery
- Macksville, Kansas Milling Co.
- Manhattan, Johnsmeyer Feed & Seed
- Martin City, Hart-Bartlett Sturtevant Grain Co.
- Michigan Valley, Bulmer Grain Co.
- Neodesha, Shacklett Produce
- Olathe, Farmers Union
- Oswego, Karus Grain Prod. Co.
- Ottawa, Laux Hatchery
- Overland Park, Jennings Feed & Coal
- Paola, Washburn Hatchery
- Peabody, Peabody Co-op. Exchange
- Pittsburg, The Potter Hatchery
- Pratt, Pratt Equity Exchange
- Richmond, Farmers Home Co-op. Merc. Society
- Salina, McMinn Feed & Prod.
- Sedan, Sedan Seed House

- Sedgwick, J. O. Combs & Son
- Sedgwick, Sedgwick Alfalfa Mills
- Sabetha, Farmers Elevator
- St. John, St. John Mill
- St. Marys, Farmers Union Co-op. Business
- Stockton, Bauchey Grain Co.
- Topeka, Emery Shimer Feeds & Seeds
- Topeka, J. R. Shimer
- Valley Center, Valley Center Farmers Union
- Valley Falls, Reichart Elevator
- Waverly, J. R. Baxter Produce
- Wellington, C. E. Newell Feed Store
- Wellsville, Averill Produce
- White City, White City Gr. Co.
- Wichita, Capital Fd. & Sd. Co.
- Wichita, C. Ball Feed Co.
- Wichita, Monson Feed, Seed & Farm Supply
- Wichita, Maxwell Feed & Farm Supply
- Winfield, Wallace Feed Store
- Zenda, The Goenner Hat'y

Your Purina Dealer Has a Laying Chow to Fit Your Needs... and Many Laying House Supplies

FLOCK WORMER



Mix in the mash to rid birds of large roundworms. 93.6% effective in laboratory tests.

PURINA CHEK-R-TON

DISINFECTANT



Only one ounce makes a gallon of powerful germ killer. Pleasant odor.

PURINA CHEK-R-FECT

FEEDERS



All-metal hanging feeder. Feeds 25 hens. Saves feed — saves labor.

PURINA FLOCK FEEDER

WATERERS



Holds three gallons. Guard keeps hens out of water. Sturdy metal construction.

PURINA FLOCK FOUNT

MITE CONTROL



One application keeps down mites for a year. Penetrates pores — preserves wood.

PURINA INSECT OIL

EGG BASKETS



Cools eggs quickly. Holds 12 to 15 dozen eggs. Gathes your eggs in a

PURINA EGG BASKET



*Even in hot weather
needs no refrigeration*

**Fleischmann's Dry Yeast
stays fresh for weeks!**

• Even when the temperature climbs to 90°—count on Fleischmann's Fast Rising Dry Yeast to stay full-strength for weeks without refrigeration. A month's supply in the cupboard lets you bake any time. **IF YOU BAKE AT HOME**—use it for more convenient baking, more delicious baking results. Get Fleischmann's Fast Rising Dry Yeast at your grocer's.



Keeps in the cupboard

**WHEN Buying TRAVEL
COMPARE ALL FOUR**

- 1 **COMPARE the PRICE**
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• The GREYHOUND way means more miles per dollar—more courtesy, more comfort and more convenient schedules. Compare!

Ask your local Greyhound agent for details about low, round-trip fares to anywhere in America.

**OVERLAND
GREYHOUND
LINES**

OPERATED BY INTERSTATE TRANSIT LINES

A Country Woman's Journal

By MARY SCOTT HAIR

*"He lived on fruits of After While,
A shadowy, unknown tree.
I feasted on berries of Here and Now,
And their taste has been sweet to me!"*
—Mary Elizabeth Mahnkey

That's how I happen to be teaching music again, why I plan my work and try to make every minute count, so I can give Saturday afternoons to instructing 2 boys and 5 girls in the mysteries of music. With one eye on the clock, my head full of lesson plans, I rush thru my work in order to be at our little church, where I teach, on time for the first lesson.

It is difficult to say who enjoys the lessons more, the pupil or the teacher! We are thinking about a recital at the end of summer and with that to look forward to, we are, indeed, busy and happy!

One of my pupils brought me a bouquet of lovely, old-fashioned flowers that spoke a nostalgic language of long-ago, carefree days! Rose moss like Granny Belle used to grow in an old tub, the yellow blossoms looking for the world like the yellow rose of Texas, old-fashioned pinks, and mixed in with the flowers were sprigs of fortune grass. I've spent hours trying to match the blades, so my fortune would be secure!

I asked Ruthie and Barbara if they ever tried to match the blades of fortune grass. They had never heard of such a thing! And I recalled asking a friend's little girl whether she knew how to tell if folks like butter, the buttercup way. She didn't know. A little boy had never heard of popping pentstemon buds (beard-tongue) on his forehead. I think certain phases of our youngsters' education are being sadly neglected!

Every child, it seems to me, should be allowed to bake mud pies, have a pocketful of snails, go fishing, own a pet toad, know the birds, trees, flowers and butterflies, watch a nest of baby birds turn from gaping, squalling mouths to creatures of grace and beauty. And any child who is deprived of these privileges has been denied a part of his sacred heritage.

My 5 little ducks are living and learning . . . living in the little brook that flows peacefully along thru a portion of the meadow where they roam, and learning that the old chicken hen that mothered them can go no farther than the edge of the water. And now that the ducks aren't so little any longer, the old hen goes on about her business, singing in her hen way, and she seems to forget all about her funny children.

When night comes I am reminded of a story a friend's little 3-year-old girl tells. No matter what particular animal the story is about . . . lions, bears, kittens, chickens . . . it always has the same ending, a very happy ending. "And they all went home to them's muvver!" And that's the way with my little ducks . . . no matter how much swimming they've done during the day, or how many bugs they've chased, when night comes they go home to the old chicken hen that mothers them.

When I was a little girl it was always an occasion of great importance when a new concrete walk, well-top or floor was made, for I got to leave the print of my hand or foot, sometimes both, on the concrete. Then a date was added and there it was, for years and years.

While I worked at the post office the other day, a new concrete porch floor was poured for a shoe-repair shop across the street. When the finishing touch was added I walked boldly up to the door, leaving my footprints, not in the sands of time, but in something much more substantial. Good advertising for a shoe shop.

Good Pickle Recipes

Brined or cured pickles, fruit pickles, quick-process pickles and relishes—20 recipes in all—in our pickle leaflet—recipes for brined or cured pickles as well as quick process pickles. For a copy of the leaflet, please address Home Department, Kansas Farmer, Topeka. Price 3c.

Ever since I can remember, Monday has been washday at our house. Granny Belle always washed on Monday, my mother washes on Monday and I'm following right along in the same pattern. Perhaps the characters in Shakespeare's play, "The Two Gentlemen of Verona," were not speaking of washday when they made this profound statement, "How use doth breed a habit in a man," but, truer words were never spoken!

Washdays are different now, of course. We have washing machines and electricity and the water problem has been solved in many homes. Even wash-day meals aren't always what they were when Samuel Pepys wrote this April 4 notation in his diary, back in 1666, "Home, and being washing day, dined upon cold meat."

The magazines and papers these days are brimful of suggestions for vacations. Travel, they tell us, from coast to coast on a bus, by air or if the old family car will still go, try it. Even our editor comes up with the suggestion, "Let's Go Vacationing!"

Goodness knows I wanted to go vacationing, and I wouldn't have been the least bit choosy about where I went, or I'd just go, period! That's how I felt when I arose with the birds, bright and early on a recent Monday morning.

Yes, it was washday and there was cold meat left in the icebox from Sunday. Also, there was a conference on rural religious life scheduled for that particular Monday at one of the large churches in our near-by city. A bus would get me there in time to attend most of the sessions, and bring me home in time to help with the evening chores. A woman's work is never done anyway, I told myself, so why not be different for once and go gadding instead of doing the weekly wash. That's what I did!

The conference, which was sponsored by the Missouri University Bible School and College of Agriculture, was just one of the many ways rural religious leaders and farmers are working together to build a way of life which will be more abundant, more secure and more satisfying.

There were several very interesting speakers on the program. A boy scout executive from New York City, stressed the fact that this is still a man's world! He told us, "The growing boy of today, that lad of 12 along with thousands of others, older and younger, is the most important factor in our economic structure."

The keynote speaker told us that the rural field is the best missionary field today. Our own state of Missouri has the third largest unchurched population in the U. S. He ended with this plea, "May we be servants of the rural church!"

I came home feeling much better! I had something to think about, new ideas to share with my Sunday school class. And I did the washing on Tuesday!

A few weeks before school was out I answered a timid knock on my front door. A little boy, immaculate in jeans and a blue shirt, his hair all slicked down, asked timidly, "My Mother wants to know . . . would you give me piano lessons this summer?"

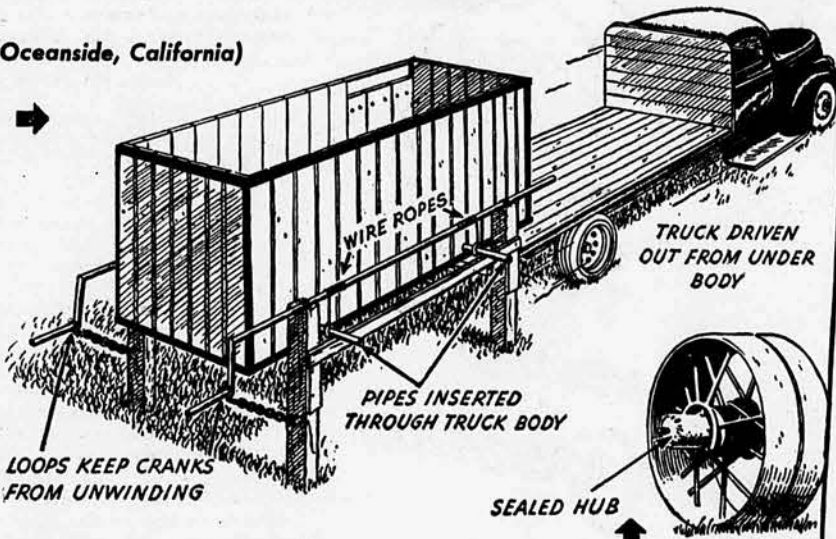
The question, out of a clear sky, astonished me! In a brief moment I recalled summers, now so long ago it seems, when I taught young hopefuls how to play the piano and trumpet, and a feeling akin to homesickness swept over me. Here is opportunity, I told myself.

"I'll have to think about it and do a lot of planning," I told the brave little chap. "Come back in a week or so and I'll tell you for sure."

How Kelly does it better

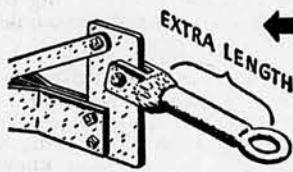
(ideas noted on farm of Carroll R. Kelly, at Oceanside, California)

One man truck body change-over. Kelly drives truck with livestock body into 4-post installation shown here . . . so pipes with crank-handle ends (top of posts) parallel sides of truck. Two other pipes are inserted through body by means of holes at front and rear. Wire ropes from pipes running parallel with truck are fastened to pipes extending out from sides of body. Turning crank handles lifts body off truck. Reverse process lowers body onto truck. No lifting required.



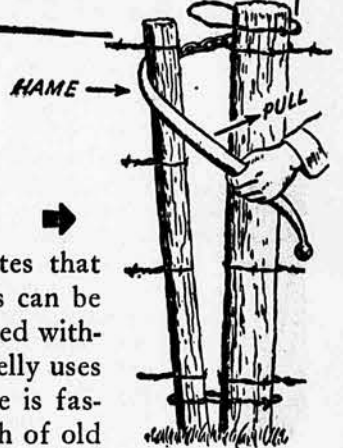
IDEAS from a neighbor's farm

Safeway's Farm Reporter keeps tab on how farmers make work easier, cut operating costs, improve crop quality. Safeway reports (not necessarily endorses) his findings because we Safeway people know that exchanging good ideas helps everybody, including us. After all, a third of our customers are farm folks.



Longer hitch for shorter turns. Kelly found turning difficult when pulling disc and other implements over hillside with wide-track tractor. Welding job on implement drawbar and hitch gives more distance between tractor and implement, makes possible square turns.

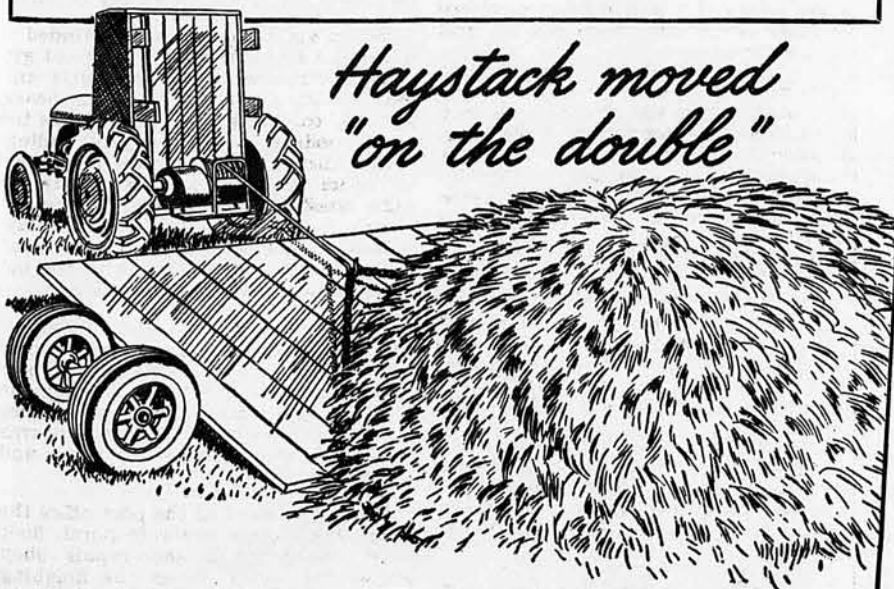
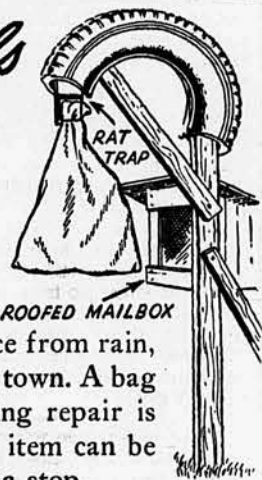
Sealing saves 'em. Kelly prevents dirt from getting into bearings and axles on harrows, discs, etc., by welding hubs closed. Note lubrication spigot in center.



Wire loop gate closer. Barbed wire gates that fasten top and bottom with wire loops can be hard to handle. To get top of gate closed without struggle after bottom is in place Kelly uses a hame from discarded harness. Hame is fastened to post at one end by short length of old chain. Passed around upright on gate and pulled toward post, hame makes it easy to slip on top wire loop.

Tire plus Trap equals "grabber upper"

Like many farmers thereabouts, C. H. Barnes, retired M.D. of Harbor, Oregon, speeds roadside pickups from the post in front of his farm with this simple "grabber-upper." Half of worn tire shields post and arm brace from rain, also increases visibility of item being sent to town. A bag of farm produce or equipment part needing repair is held by rat trap fastened to arm brace, so item can be grabbed up from truck, bus or car without a stop.



Haystack moved "on the double"

Built by H. L. Buell, of Bassett, Nebraska, this hay sled—plus a tractor equipped with winch and cable—moves an 8-ton hay stack in short order. After tractor pulls sled (a flat, low-bed truck) up to stack, tractor is backed around to side of sled, across from stack. Cable unwound from winch built on rear power take-off of tractor is pulled across sled, attached to heavy chain which is passed around stack, then chain is hooked back on cable. Sled bed tilts to ground on side next to stack. Cable is then wound onto winch by tractor power . . . pulling hay onto sled.

Progress in eggs... under Safeway's plan



THE OLD-FASHIONED SYSTEM of marketing eggs was pretty complicated, beset with delays and multiple handling. It cost consumers plenty, hurt egg quality, and kept down money returns to producers. Then along came Safeway . . . with fresh ideas about fresh eggs.

Safeway set up the Brentwood Egg Company, a division of Safeway Stores which buys all the eggs that Safeway sells. Under this plan Safeway does the complete marketing job—buying (from farmers or their co-ops), grading, packing, shipping, distributing, retailing. Safeway store customers get better eggs, at a saving. Egg producers get (1) the going price or higher; (2) cooperation in improving egg quality; (3) a bigger, steadier market demand. It's a real step ahead in the egg business.

- Safeway buys direct, sells direct, to cut "in-between" costs
- Safeway buys regularly, offering producers a steady market; when purchasing from farmers Safeway accepts no brokerage, directly or indirectly. Safeway pays going prices or better, never offers a price lower than producer quotes. Safeway stands ready to help move surpluses
- Safeway sells at lower prices, made possible by direct, less costly distribution . . . so consumers can afford to increase their consumption

ANNOUNCING THE STAHMER DIAMOND DRAG HARROW

**THE MULTI-SLICING ACTION
SURFACES A
ROUGH FIELD INTO
A GARDEN BED**

Get A GOOD Stand

Here you have a new idea for preparing the soil. Four foot square sections of heavy steel, with row on row of diamond shaped cutting edges, provide a method of working the soil to make seed germination easier without disturbing the more solid, moisture retaining soil underneath. The Stahmer Diamond Drag Harrow, properly weighted with field stone or other weights, slices through, pulverizes and levels . . . leaving behind it a garden-like seed bed. As the sliced lumps drop in and out of the rows of cutting edged steel, they are reduced to fine soil and distributed evenly over the ground. Clods cannot be pushed aside but are sliced into loose soil.

In addition to preparing an ideal seed bed, the Stahmer Diamond Drag Harrow will cover and secure the planted seeds by simply reversing the sections. A good dirt farmer, in less than a minute, understands the advantages of this new type of modern drag harrow which has been tested and proved by many agricultural colleges and hundreds of farmers. It makes farming easier, faster and more profitable. The Stahmer Diamond Drag Harrow is available in either 3 or 5 section units. Quickly assembled, the sections can be joined in a number of ways to meet varying field requirements. Every farmer will want a Stahmer Diamond Drag Harrow. Immediate Delivery!

MAIL COUPON TODAY

STAHMER FARM EQUIPMENT CO., 135 S. La Salle St., Chicago 3, Illinois

I am interested in receiving a folder on your Diamond Drag Harrow and would like to know the name of the nearest Stahmer Dealer.

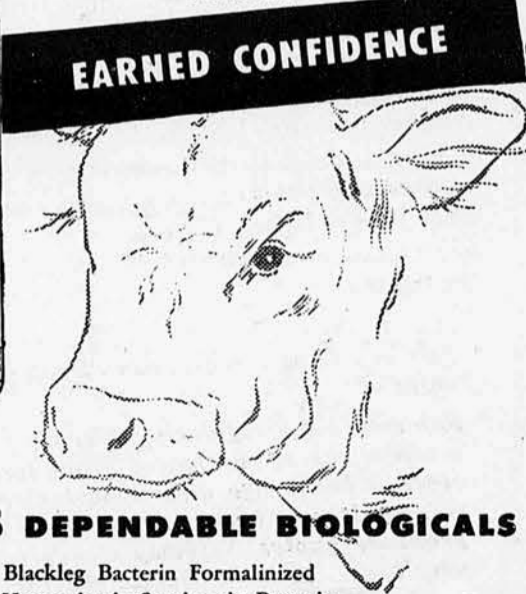
Name.....

Address.....

A "Must" on Your Fall Calendar
KANSAS STATE FAIR
Hutchinson, September 14-19



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**USE
PARKE-DAVIS DEPENDABLE BIOLOGICALS**

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- Hemorrhagic Septicemia Bacterin
- Clostridium Chauvei-Septicus Bacterin
- Mixed Bacterin (Bovine) Formula No. 1
- Mixed Bacterin (Ovine) Formula No. 1

FREE descriptive booklets. WRITE to Animal Industry Division, Parke, Davis & Company, Detroit 32, Michigan

DRUG STORES SELL PARKE-DAVIS PRODUCTS

Help Pick Safety Slogan

Readers' Votes Will Determine the Three Winners

A KANSAS farm safety slogan is needed. One that will stick with you every day in the year. Something that will click in your thoughts when tempted to take a chance.

To find such a slogan, Kansas Farmer asked all persons living on Kansas farms to send in what they thought would be the best ones. This contest was opened in the July 19 issue, and it closed on August 2. The rules stated the board of editors would select the best slogans and print them in Kansas Farmer. Then readers of Kansas Farmer would be invited to vote on them to pick the final winners.

Here are the slogans selected out of all that were sent in, and now you are asked to vote on them. Please pick first, second and third choices, as prizes of \$25, \$15 and \$10 will be distributed in that order to the 3 winners.

Send your vote on a post card or in a letter to Raymond H. Gilkeson, Editor, Kansas Farmer, Topeka. Then the winning slogan will be announced in Kansas Farmer. Voting closes August 30.

Here are the slogans for which you are requested to vote:

- "No accidents, no sorrow."—Mae Coats, R. 3, Elk City.
- "Careful farming keeps farming carefree."—Wilbur McCormick, R. 2, Humboldt.
- "To save your life you can't be too careful."—Mrs. C. L. Dreibelbis, R. 1, Pretty Prairie.
- "Don't step on it."—Mrs. Jess Rice, Athol.
- "Better safe than sorry."—Mrs. R. E. Edson, R. 2, Altamont.
- "Where safety reigns, accidents cease."—Paul Coats, R. 3, Elk City.
- "Be careful and remain a member of your family instead of a family memory."—C. M. Andrews, R. 1, Delavan.

"If you care to keep farming, keep farming with care."—Lawrence E. Meyers, R. 1, Chanute.

"Make farming pay, the safety way."—Lois Irene Meyers, R. 1, Chanute.

"Tomorrow's happiness is assured only by today's carefulness."—Bonnie Coates, R. 3, Elk City.

"Safety Always."—B. Haynes, Hal-lowell.

"Don't run around the farm, and you'll come to no harm."—Bryan Campbell, R. 1, Coffeyville.

"Take time to take care so you may live safely this year and every year."—Mrs. C. M. Wilson, R. 2, Waverly.

"Carelessness breeds accidents."—Mrs. Anna M. Cook, R. 1, Labette.

"A hazard neglected until tomorrow, may bring bills and useless sorrow!"—Mrs. Clayton Whetstone, R. 2, Osawatomie.

"Use your eyes, use your ears and farm for years."—Mrs. W. S. Coleman, R. 3, Hutchinson.

"Always think before you act."—Mrs. Charles Gamble, R. 1, St. Marys.

"Save a minute, waste a life."—Mrs. H. A. Hall, Peyton, Colo.

"Life is short, don't take a chance."—H. A. Hall, Peyton, Colo.

"Better be safe than sorry."—Vanita Hall, Peyton, Colo.

"Thoughtfulness always makes for happiness."—Mrs. Rua Dugan, Peyton, Colo.

"Take time to be safe, nor sorry."—Mrs. J. B. Seavers, R. 5, Fort Scott.

"Make safety first your golden rule, around the home or away at school."—C. Lyle Marshall, Lebanon.

"Let's make the safest safer."—Richard E. Tesche, R. 1, Lenexa.

Bulldozer Does Good Job



Levelling the top of the terrace with a bulldozer. After levelling, Mr. Northern smooths down the upper and lower slopes by backing his outfit and using the back of the blade. He has built 700 feet of completed terraces in 1½ hours with this outfit.



Joe Northern, Miami county contractor, has proved good terraces can be built with a bulldozer. Here he is shown smoothing the down slope.

Heavy Slopes Under Control



Some of the best corn in Miami county can be found on the upland farm of Alfred Knoche, because he has built up organic matter in his soil with manure and sweet clover. This picture of his cornfield was taken July 23, yet the corn towers over Mr. Knoche, who is 6 feet tall. The field is terraced and corn planted on the contour.

THE very heavy slopes on the farm of Alfred Knoche, Miami county, have been brought under control by a series of soil conservation practices.

Mr Knoche began terracing in 1941 and has most of his fields protected now. He uses manure on the fields in liberal amounts and has a strong legume program, including sweet clover, red clover, alfalfa and lespedeza. Almost one third of his cultivated acreage is in legumes.

The effect on soil erosion of turning under green manure, even on terraced fields, was brought to our attention by Mr. Knoche. He took us into a terraced alfalfa field where green manure had been turned under and where part had not been subjected to this practice. Where no green manure had been turned under there was evident erosion between the terraces, but none could be found where the green manure had been added to the soil. Even with terraces good practices are necessary.

"Some of my upland slopes wouldn't grow fodder before I terraced and plowed under green manure crops," reports Mr. Knoche. "Now, you can see for yourself there isn't any better corn in the county."

A strong legume program is only part of Mr. Knoche's farm improvement program. He wants to seed back some of his thin native pasture to brome grass. He already grubbed out 35 acres of brushy pasture at a cost

of \$75. "I was lucky to get at it before growth was too large to handle," he says.

This farm always has been short of water but won't be in the future. One large stockwater pond already has been completed and another one is planned.

Blow to Quackgrass

Even quackgrass, which fails to bow before 2,4-D, may meet its match in a new chemical weed killer, IPC, claim scientists of the U. S. Department of Agriculture. Favorable results have been obtained with applications on both mature quackgrass and on seedlings.

In 6 weeks after treatment at the rate of 10 pounds an acre of IPC with sand as a carrier, all growth was dead, not only the sprouts but the runners of the quackgrass plants, it is reported. Application is to the soil rather than to the plant leaves, as killing is done from absorption of the chemical thru the roots.

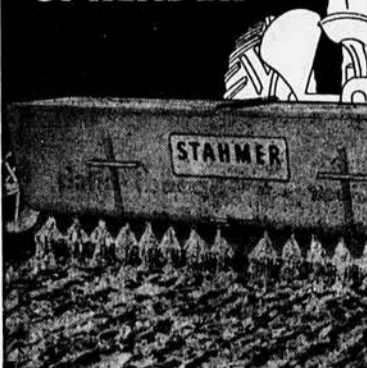
Like 2,4-D, the new IPC is inactivated in moist soil, say research men. It will interfere with growth of useful grasses for some time if the soil is dry. Apparently, it does not affect broad-leaf plants, but more experimental work is needed on this point. IPC can be purchased as a fine powder from some chemical supply houses. The product may soon be found in packages under special trade names.

Trickle Pipe Protects Pond



Clarence Ater, former Miami county FHA supervisor, showing amount of water carried by a pond trickle pipe when running at capacity. Installation of a trickle pipe is a highly recommended practice for Eastern Kansas to cut down wave action on dam, and to protect spillway.

Do the Job Right
WITH THE
**STAHMER
FERTILIZER
AND LIME
SPREADER**



**PROVED PERFORMANCE
EXCLUSIVE AGITATOR
FEATURE**

RUGGED CONSTRUCTION

The Stahmer is a smooth performer due to carefully engineered features and sturdy construction. Special auger type discs are built into "proved performance" revolving agitators. They keep the hopper bottom clean and force fertilizer out of the openings... pulverize lumps and spread uniformly. Quickly regulated, the Stahmer distributes from about 100 to 8000 lbs. per acre and spreads an 8-foot width of fertilizer 6 inches from the ground. The hopper has 800 to 1000 lbs. capacity—built of 12-gauge hot rolled steel—all in one piece with welded-in ends. Extra heavy axles carry specially designed wheels using standard tires. The Stahmer is built right. Order your Stahmer Fertilizer and Lime Spreader now.

**NO OTHER WAGON
COMBINES
ALL THESE FEATURES**

The full rocking bolster designed to take a four-ton load (6 tons on the standard bolster), allows any wheel on the wagon to raise a full 12" without twisting the box. A bolster spring, found only in a Stahmer Wagon, keeps wagon boxes level and lessens load shifting. The entire wagon adjusts for height, width and length. Demountable disc wheels, Timken bearings, high speed spindles, safety steering mechanism, special tongue assembly, adjustable stake pockets and cross pieces, oscillating collar... these are a few of the Stahmer features stressing strength and safety. Be sure to see the Stahmer Wagon. You'll like it. The price is right, too.



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STAHMER
All Steel
WAGON**

**EXTRA STRENGTH
EXTRA FEATURES**

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with **CHLORDANE**... the American Successor to DDT

**KILL Ticks, Lice
Fleas, Screw-Worms
Grubs (Heel Flies)**



Chlordane—manufactured under the trade name Octa-Klor—makes control of these destructive pests a simple "one-shot" operation. Used in sprays, dips or dusts, it kills not only those parasites present at time of treatment, but gives continuing protection against re-infestation for long periods. Directly traceable results are:

1. Increased rate of weight gain and increased vigor.
2. Prevention of injury to valuable hides.
3. Increased milk production.
4. Increased abundance and quality of wool.

Many of America's leading manufacturers are now using Chlordane in formulating their brands of insecticides for livestock, agricultural and household use.

Make sure the label states "contains Chlordane". There are no substitutes—nothing else is "just as good". If your dealer cannot supply you, write us direct for name of a dealer who can.

**Equally Effective
Against...**

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- Cotton Insects
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- Soil-infesting Insects
- Ants
- Roaches
- and many others

Send for
**FREE BULLETIN
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CONTROL**

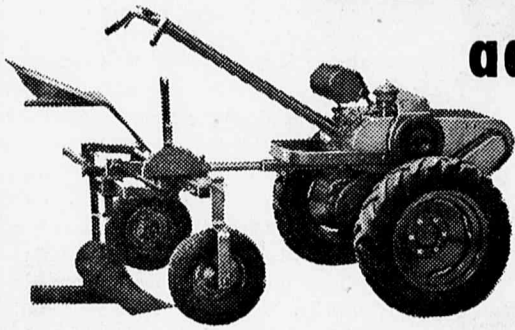
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Please send me more information about insect pest control with Octa-Klor brand of Chlordane as contained in your free bulletin on () Livestock; () Grasshoppers; () Ants.

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STREET OR R.F.D.....
CITY.....ZONE.....STATE.....

NOW! all 12 advantages

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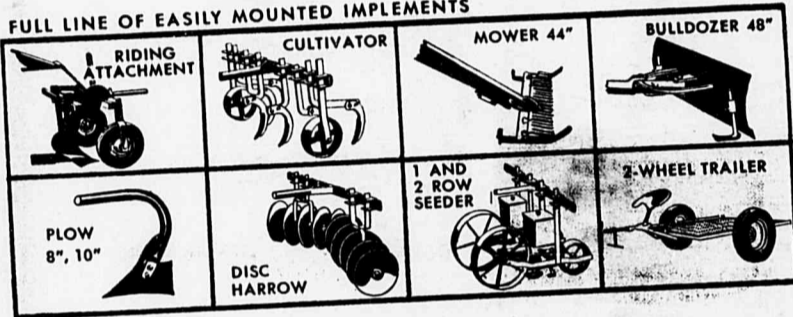
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FULL LINE OF EASILY MOUNTED IMPLEMENTS



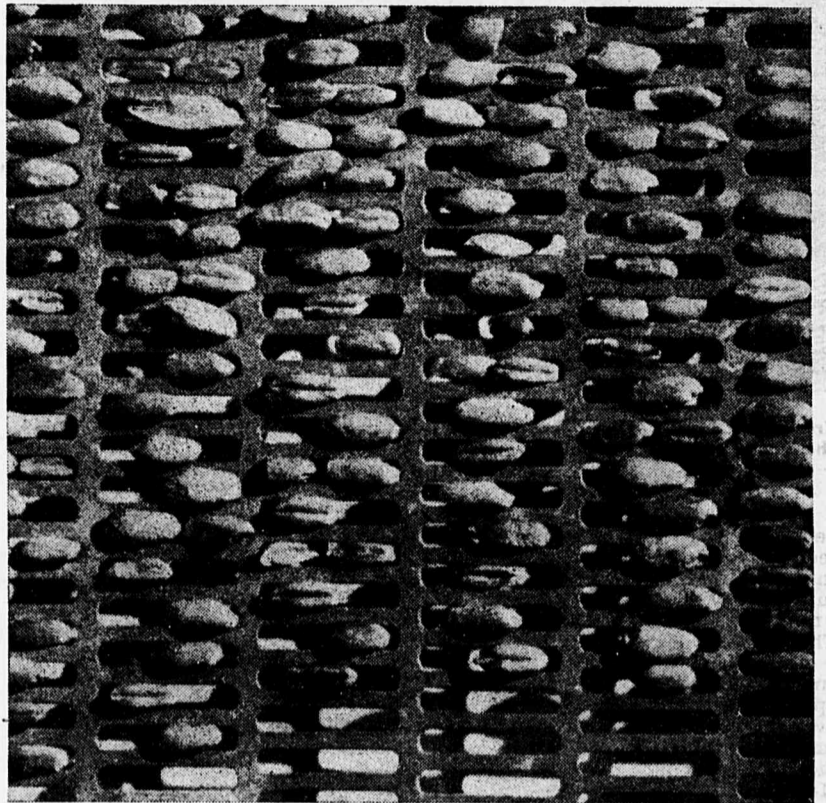
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Cleaning and Treating Seed Provides a Good Investment



This is what happens to a screen where no traveling brushes are beneath it. As grains of wheat become lodged in the screen, undesirable grains will ride over into the cleaned wheat.

ARE you going to clean and treat your seed wheat this fall? It may be well worth the time and money spent. In fact, Cliff Skiver, director of the Kansas Wheat Improvement Association, Manhattan, says cleaning and treating seed wheat is a 10 to 1 investment in your favor.

Here is the way Mr. Skiver looks at it: An extension bulletin published nearly 20 years ago reported an increase of one half bushel an acre from cleaning alone. At present prices that is more than a dollar in your pocket and the cost was only about 15 cents. In general he believes soil fertility is less now than 20 years ago so the increase could be greater.

In addition to that, screenings are worth something as chicken feed and are a loss when drilled in the ground. And that does not account for protection against stinking smut.

Last winter Leonard F. Neff, district supervisor of extension, Manhattan, assisted in a survey of 6 wheat-producing counties in the state. In a letter to Mr. Skiver, he reported the survey showed that of all practices incident to the efficient production of wheat, the most neglected practices are those of cleaning and treating seed wheat. He believes there is only one practice at present holding greater importance. That is soil fertility, or growing a legume in rotation with wheat.

Mr. Neff goes on to say that when it comes to cleaning seed wheat, only about one third to one half the farmers were found doing so. And this report was taken from some of the best farmers in those counties. In smut control the percentage of farmers following

the practice dropped to one fourth and even less.

In the last few years several mills and elevators in the state have contributed to the cause of cleaning and treating. They have made this service available to their customers and have received a large response. But the services are still too widely scattered.

Last year Mr. Skiver went on the road with a cleaning and treating machine mounted on a truck. He made 51 demonstrations in 31 counties. He sees some advantage to a portable unit that can be taken from farm to farm over hauling grain to the cleaner.

At least the millers of Kansas are interested in his efforts. They have contributed \$43,000 toward getting cleaners and treaters out in the field. The initial result is that portable machines will be working in at least 13 counties this year.

These machines are mounted on long wheelbase trucks and turned over to county Farm Bureaus. The machines are to be paid for out of receipts collected for cleaning and treating. The idea is to get farmers in the habit of cleaning and treating, Mr. Skiver says, regardless of who does the job.

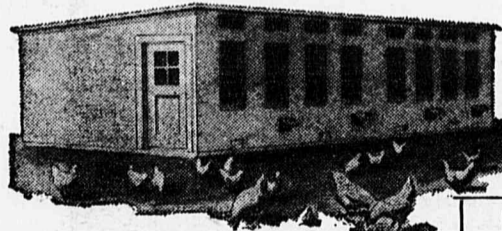
Twelve county Farm Bureaus will have these machines available. They include Pawnee, Barton, Mitchell, Ellsworth, Rice, Reno, Ottawa, McPherson, Harvey, Sedgwick, Dickinson and Marion. Another will be available in Cheyenne county. It is owned by a private operator. Other counties are expected to participate in the program when machines become available.

The cleaners were built according to Mr. Skiver's specifications. They have

Buy United States Savings Bonds

Make Bigger Poultry Profits

Give Your Birds This Important Care Before They Go In The Laying House



Help boost egg production by caring for your flock at the time it is housed. Birds can be quickly and easily wormed and treated for external parasites when handled for culling. Take advantage of this opportune time to put your layers in shape with Lee Medicines.



Worm Your Birds With GIZZARD CAPSULES Give Measured Dosage

A safe, effective way to worm without reducing egg production. The GIZZARD CAPSULE'S INSOLUBLE coating does not dissolve in the crop—it protects medicine until crushed by gizzard—gently delivers correct dose, full strength to worms. Helps your flock against the ravages of intestinal worms! For best results, worm with genuine Lee's GIZZARD CAPSULES.

| | |
|-----------------------|---------------|
| Adults (SIZES) | (Retail Each) |
| 10 capsule env. | .15 |
| 50 capsule pkg. | .75 |
| 100 capsule pkg. | 1.25 |



FIGHT COSTLY COLDS

Be prepared for any outbreak of colds or wheezing. Often early treatment is the most valuable. Have Lee's Vapo-Spray on hand for emergency use.

| | |
|---------------------|---------------|
| LEEMULSION | VAPQ-SPRAY |
| 4 oz. bottle. | 1 pint. |
| 12 oz. bottle. | 1 quart. |
| 1.00 | .75 |

EXTERNAL PARASITES COST YOU MONEY!

Go After Mites, Lice With These Famous Lee Products

PERCH PAINT

An economical, efficient, Nicotine product for the control of poultry lice. Used by painting on top of roosts.

| | |
|--------------------|--------|
| 1 pint can | \$1.50 |
| 1 quart can | 2.50 |
| 1 gallon can | 7.00 |



BLITSRAY

New, convenient way to control lice and external parasites. Sprayed directly on the birds while on roosts. Used under any housing conditions.

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| 1 pint bottle | \$.75 |
| 1 quart bottle | 1.25 |
| 1 gallon jug | 4.00 |



LOUSE POWDER

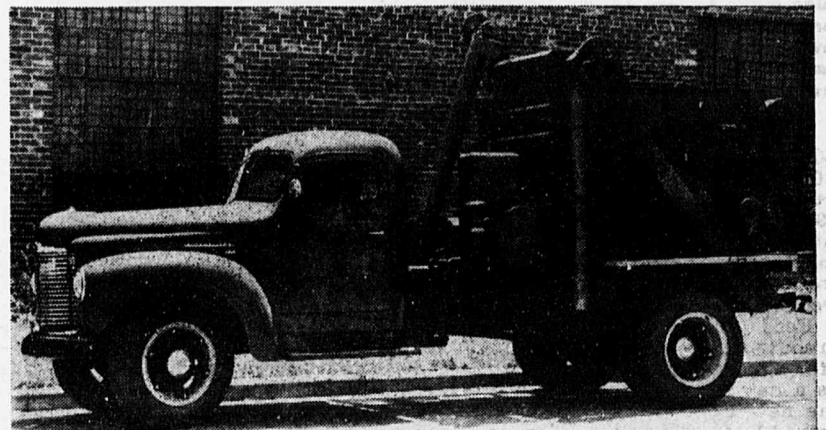
Louse Powder for individual treatment of birds in small flocks. Convenient. Economical.

| | |
|---------------------|-------|
| 1 lb. can | \$.25 |
| 2 1/2 lb. can | .50 |

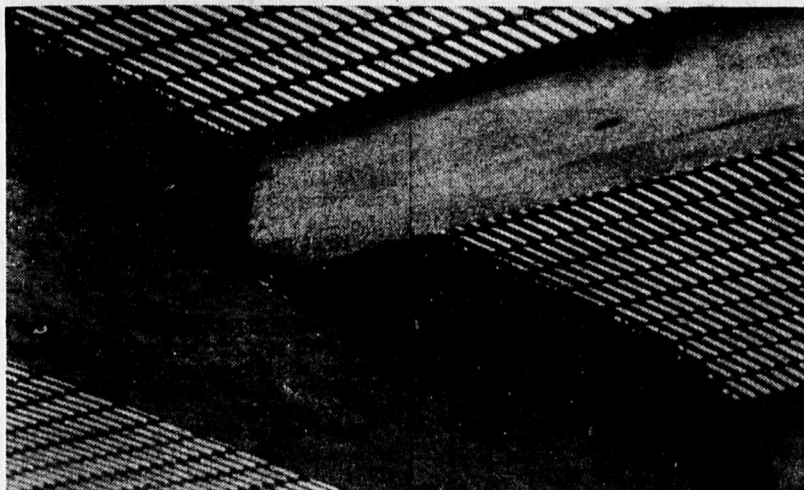


At your local Lee Dealer (drug, hatchery, feed or seed store).

GEO. H. LEE CO., Omaha, Nebr.



At least 13 truck-mounted cleaning and treating machines will be available in Kansas this year, according to Cliff Skiver, director of the Kansas Wheat Improvement Association, Manhattan. The equipment was purchased with money supplied by millers of Kansas. They were turned over to county Farm Bureau organizations who will pay for them out of receipts collected. The small treater is attached above the elevator carrying cleaned seed. It can be seen at extreme right in this picture.



Traveling brushes beneath the screens prevent wheat from lodging and making the cleaner ineffective. These brushes usually are not found on machines costing less than \$400.

42- by 60-inch screens, variable air speed, travelling brushes, adjustable screen pitch, automatic treader attachments, a 5 h. p. gas engine, truck body mounting and all hoppers and conveyors to make it automatic.

The machines are so designed that all channels and parts are readily cleaned between jobs. This will help keep down weed infestation, Mr. Skiver explains. At the same time farmers will be able to keep their varieties of wheat pure.

Many farmers have their own cleaners. But the trouble here is that cleaners do not have traveling brushes under the screens unless you get into the 400-dollar class or more, Mr. Skiver points out. And that is considerable money for an individual farmer to put into a cleaner. In his experience a cleaner without brushes is greatly reduced in efficiency after the first 10 minutes of operation. By that time grains of wheat become lodged in the screen, making it ineffective.

The treating attachment of these

machines is hooked into the elevator that carries the wheat away from the cleaner. It is a simple but effective way of doing the job. The treatment will consist of a thoro dusting of New Improved Ceresan.

"Dupont is coming out with a new compound for seed treating that is not irritable or offensive to the operators. These machines are designed to handle this new compound," Mr. Skiver says. It is doubtful that the new compound will be on the market this year.

Altho each machine is capable of treating between 25,000 and 30,000 bushels of seed wheat, the field still is wide open for private operators. Acreages in Reno or Barton counties alone will be more than 300,000. A machine in each of those counties will be like a drop in a bucket.

Running wheat thru these machines will eliminate weed seeds, size the seed wheat for more uniform planting and guard against smut. It will be a paying proposition. Yes, perhaps even 10 to 1, as Mr. Skiver says.

Good Production Schedule

New Ford Tractor Has Many Improvements



Initial shipments of the new Ford tractor, now in production at the Highland Park plant of the Ford Motor Company, and Dearborn farm implements are now being made to Ford tractor dealers thruout the country. Frank R. Pierce, president of Dearborn Motors Corporation, national marketing organization for the new Ford tractor, said that production schedules call for 400 tractors daily, and that quantity shipments would be made in August. Gloria Carlson, above, demonstrates the roadability of the new tractor at the Dearborn Motors education farm, Clarkston, Mich.

ABOUT 50,000 Ford tractors and 200,000 farm implements will be manufactured during the last 6 months of 1947 by the Dearborn Motors Corporation. It has been announced by Frank R. Pierce, president.

Press, radio and agricultural leaders recently saw demonstrations of the new Ford tractor and the Dearborn farm equipment line. Production schedule for the new tractor calls for 400 units a day.

The new Ford tractor features an improved hydraulic system permitting operation of tractor and implement as a single unit with automatic hydraulic control of the implement. Other major improvements include an automotive-type steering gear, 4 forward speeds to give a higher speed, a new drawbar height control mechanism, combination running boards and step-

plates, a seat that can be tilted back, and a hinged radiator grille for easy cleaning of radiator core.

Dearborn equipment ranges from the basic implements such as moldboard plows, disk plows, front-end and reach attached cultivators, disk, spike-tooth and spring-tooth harrows, and weeders, to cordwood saws, terracers, snow plows, front-end loaders, manure spreaders, forage harvesters.

President Pierce emphasizes that implements now in use with present Ford tractors will operate with the new Ford tractors. Parts for all models of Ford tractors will continue to be available.

The new Ford tractor and Dearborn farm equipment line will be marketed thru 33 distributors and 3,000 dealers serving the U. S., Canada, Alaska, Hawaii, Mexico and Cuba.



This Aviation Oil

- PROTECTS METAL SURFACES
- ASSURES LESS WEAR ON MOTORS
- Cuts Down Repair Bills

And gives you that top-quality lubrication at a minimum cost. Champlin HI-V-I (High Viscosity Index) oil actually does reduce gum,

sludge and varnish formations in motors to a minimum... helps clean up rings, pistons, valves, oil lines and filters.

So don't take chances with vital farm machinery... insist on real quality lubrication with Champlin HI-V-I... the Twin-Action oil that flows freely at zero and below... stands-up and thoroughly lubricates at Boiling temperatures and above.

See your Champlin Dealer Today... ask him to show you what HI-V-I is doing for others in your community.

CHAMPLIN



REFINING CO.

ENID, OKLAHOMA

PRODUCERS, REFINERS, AND DISTRIBUTORS OF PETROLEUM PRODUCTS SINCE 1916

HOT or ICED You'll Like ARNHOLZ Best...

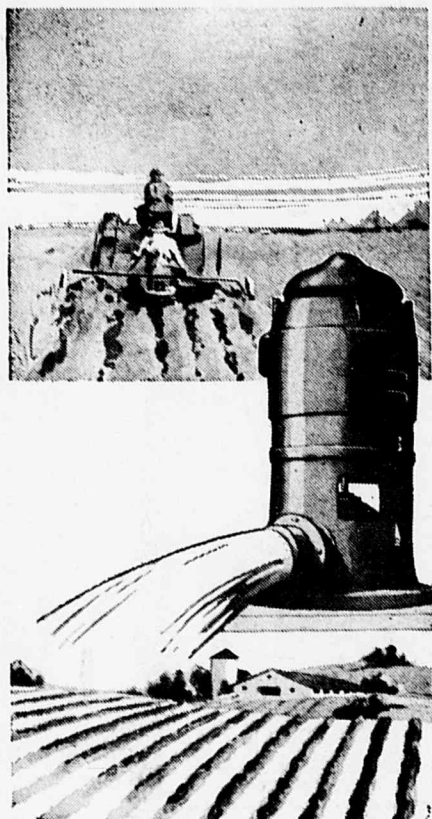
★ NOW SOLD IN A GREAT MANY KANSAS STORES ...

Ask your grocer for Arnholz Tea. If he doesn't have it, he will soon. Before long Arnholz Tea will be available anywhere in Kansas.



Arnholz
ORANGE PEKOE

TEA



Whips THE DRY SPELLS

Long, dry spells that normally sear the crops and reduce acreage to desert are no fear to Johnston Pump owners. When rains do not come, or remain scarce, they simply "throw the switch," and the water flows. If you have underground water, a Johnston will produce what is needed most economically. Tap this reserve with a Johnston and banish crop loss from water shortage. See your nearest Johnston dealer or write direct.

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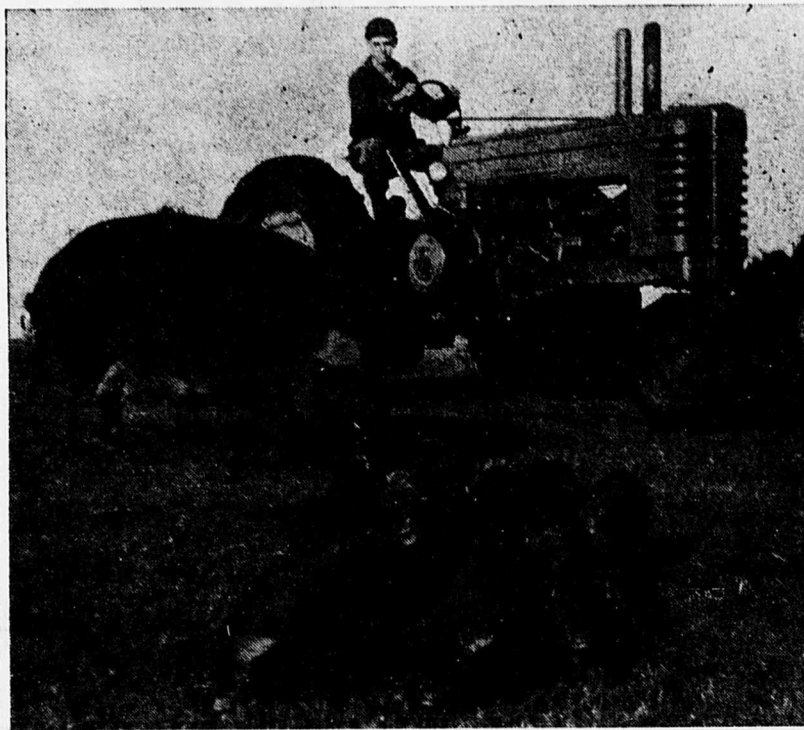
Chartered and supervised by the State of Kansas. We invite your investment with us. Do business by mail. Send us your check for amount you want to invest. Our certificate sent you by return mail.

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Good territory open for live agents.
NATIONAL TILE SILO COMPANY
636 Livestock Exchange Bldg.,
KANSAS CITY 18, MISSOURI

Had Highest Producing Sow F. F. A. Member Receives National Duroc Trophy



Lon Dean Crosson, junior vocational agriculture and F. F. A. student at Minneapolis High School, has bested the nation's top hog breeders in production registry competition, and has made a nice profit for himself.

FARMERS all over the United States heard about Lon Dean Crosson, of Ottawa county, this year. Lon Dean is a junior vocational agriculture student in the Minneapolis High School, and member of the Minneapolis chapter of F. F. A. He broke into the nation's limelight when he was presented with a trophy banner by the National Duroc Breeders Association for having the highest producing sow of the year, based on total 56-day litter weight of both spring and fall litters.

Victory Miss, the 2-year-old sow owned by Crosson, broke the national ton litter record against 2,228 litters competing. Her record is the highest since the production registry program was organized in 1938.

The spring litter of 10 pigs from this sow reached an aggregate weight of 504 pounds in 56 days. Ten pigs from the fall litter did even better to reach 515 pounds at 56 days.

Crosson then raised his pigs to maturity and broke the state record for the heaviest litter. His 10 Durocs attained an aggregate weight of more than 2,600 pounds in 180 days. At the same time he raised and marketed a total of 142 pigs.

All of this started with 2 registered Duroc sows Lon Dean obtained as foundation stock for a hog project 3 years ago. One of these sows, Miss Rose, was the mother of the now famous Victory Miss.

In 1946 young Crosson had an income from hog management of \$3,635.79 and produced a total of 29,230 pounds of pork. At the close of 1946 he had a total net worth of \$5,095.03. Not bad for a junior in high school to accomplish in 3 years.

This year Lon Dean has entered into a 3-way partnership with his mother and brother, which gives him a third livestock share agreement, and one third interest in the income from the 480-acre home farm. Lon will have full responsibility for the hog program.

In raising his pigs which broke the

national registry production program record, Lon used ordinary feeding methods. Victory Miss was fed skim milk and shorts and very little grain. Corn, oats, and wheat were mixed in self-feeders for both the spring and fall litters. At 2 weeks they were put out on pastures of alfalfa and rye.

For Better Health

A new nation-wide 4-H Club program, designed to help meet the urgent need for intensive health education in rural areas, has been announced. The Kansas program will be administered thru the state 4-H Club department.

Details of the national program were worked out by a special committee of state and Federal 4-H leaders. Objectives are to help 4-H members and leaders gain a personal consciousness and understanding of physical and mental health, to help youth share in the responsibility of improving home and community health conditions, and to help them develop sound bodies and mature personalities.

Cash and honor awards will be offered in each county. Top-ranking 4-H member in health achievements in each state will receive educational trips to the National 4-H Club Congress. Kansas won 2 national awards in health in 1946 under the former health program.

British Farm Bill

Under new legislation just adopted by the British parliament, English farmers will have guaranteed prices and assured markets for farm products, guaranteed minimum wages for agricultural workers, safeguards for tenant farmers, expanded research, and powers for assuring efficiency and full use of the land.

Organizations to be continued include a national research council, and advisory service similar to the U. S. extension service, executive committees similar to our county ACP committees, and an appeal board in each county.

When Water is Needed



This pond on the W. H. Bowers farm, Miami county, will supply water for irrigation and spraying of the contour-planted orchard in the background.

It's a Hog's Life . . .

So treat it well. Give it the care of a GRADUATE VETERINARIAN . . . the one man professionally able to preserve the health of your hogs. His life's work is the preventing of infections such as hog cholera from destroying your herd and your profits.

Let the VETERINARIAN vaccinate your pigs right now with ARMOUR'S SERUM. You can make no better investment—for ARMOUR SERUM plus virus gives active immunity.

The VETERINARIAN is not only important to you . . . he is also important to Armour and Company. We depend on the VETERINARIAN to keep your hog supply free from blemish.

That's why we urge you — for your profits sake — to keep the GRADUATE VETERINARIAN a frequent visitor.

ARMOUR and Company
VETERINARY DIVISION
KANSAS CITY 18 • KANSAS

PRODUCERS OF
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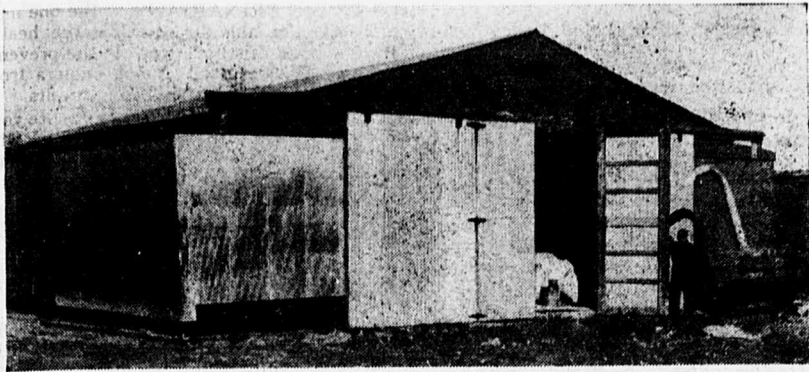
It pulverizes, mulches and firms soil deep as plowed BETTER THAN EVER BEFORE. Saves time, labor and horse-power preparing ideal seedbed. Leaves surface mulch without grooves, which greatly helps to prevent washing. This seedbed conserves moisture, saves seed because more of the seeds grow; and helps to increase yields of all crops. Great also for rolling in clover and grass seed and breaking crust on winter wheat in spring. Find out why it does the work so much better, easier and faster. Be sure you get the genuine WESTERN. Write for Catalog and freight-paid prices direct to you. Western Land Roller Co., Box 836 Hastings, Nebr.

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Write Dept. **PLATTE VALLEY SUPPLY**
K.F.-2 Box 921 Grand Island, Nebr.

Quality Crops Save a Farm



Two discarded railroad cars were used by Albert H. Ottaway, Sedgwick county, to make this granary. There is room to store 2,200 bushels of grain on each side. The double driveway between is 22 feet wide. The concrete floor provides adequate room for his cleaning mill to handle his certified seed work. It also can be used for storage space.

LEGUMES in his rotation and certified seed production saved a farm for Albert H. Ottaway, Sedgwick county. And that was during the '30s when farming was less profitable.

Mr. Ottaway tells it this way. He had been living on his present farm since 1929. A few years later he became heir to 160 acres, but it was mortgaged for nearly the value of the land. In 1934 he was offered \$1,000 for his equity. But he decided to stick with the farm.

He started a program of legume rotation, certified seed production and a small dairy side line. He received his first Madrid sweet clover seed in 1936. He produced Tenmarq wheat when it first was introduced to Kansas and got some of the second Pawnee seed released.

"In 1945 my Madrid sweet clover seed was good for more than \$100 an acre," he points out. "It was producing crops like that which paid the mortgage," he added.

He seeded his first allotment of Madrid in the fall of 1936 but the crop failed. The following spring he seeded 20 pounds of seed that was left and got a stand on 1 1/2 acres. Eight bushels of seed was his first harvest, but it got him started. Mr. Ottaway has been raising 20 to 25 acres of Madrid sweet clover ever since.

While producing seed each year, the clover has provided pasture for his dairy herd. To keep seed production high, however, he pastured it only between Sudan and wheat in fall, then between spring wheat pasture and Sudan in summer. Sorghum or Sudan stubble make an ideal seedbed. And spring is the best time to get clover started, he has found.

While reaping a good profit from clover, his other crops have become better because of it. By raising 20 acres of sweet clover a year for each 100 acres of ground, he can produce as much wheat on the remaining 80 as he could from a full 100 acres of wheat. He is thoroly convinced of that. From an 11-acre field last summer he harvested 525 bushels of Pawnee wheat. It was first crop after clover. The over-all average on his home place was 30 bushels.

In contrast, another quarter section he rents averaged 26 bushels. It has not been farmed as heavily with legumes as his own farm. However, the owner is happy to have him grow sweet clover on the rented acres. It is showing up well in the results there, too.



"Why didn't you wipe your feet?"

His dairy side line was built up from just 1 or 2 Guernsey cows. He now milks an average of about 16 cows. There was no native grass on the farm 10 years ago, but he now has 20 acres of brome established.

In addition to the brome he sows 2 bushels of oats to the acre in late summer for fall pasture. There was no dairy tester in the community the last few years. The last time he tested, his herd average for the year was 350 pounds of butterfat. His receipts were higher than usual that winter. He is certain of the reason. He had no ensilage and substituted additional alfalfa hay for roughage.

His farm now has been selected as a TVA demonstration farm in Kansas to prove the value of phosphate fertilizer. About 90 per cent of his present wheat crop was fertilized with 40 pounds of phosphate to the acre last fall. This special fertilizer has more than 60 per cent available phosphate.

Mr. Ottaway paid for his farm thru good management. Results of the TVA demonstrations will be interesting during the next few years.

Gold-Star Jerseys

The herd of registered Jersey cattle owned by Oswald and Oswald, Hutchinson, which has completed another year on official Herd Improvement Registry test with an average production of 441 pounds butterfat on 14.54 cows in the herd, has been announced by the American Jersey Cattle Club as winning its Gold-Star herd award.

This is given for meritorious production over a 4-year period, and in achieving this honor the Oswald herd compiled a 4-year production average on 13.54 cows of 8,095 pounds of milk and 455 pounds of butterfat.

All tests on the Oswald herd were authenticated by Kansas State College and the American Jersey Cattle Club. During this period of record production the herd averaged more than twice the amount of butterfat produced by the average dairy cow in the United States.

Sweet Clover Makes Good

Using sweet clover pasture for cattle, and supplementing the pasture with prairie hay, has proved profitable for Raymond Hofman, Pottawatomie county. He had 100 head of cattle on 20 acres of sweet clover for 3 weeks last fall, giving them 16 pounds of prairie hay an animal per day as supplementary feed. They did well on it and the pasture helped cut his winter feed bill considerably.

Using sweet clover also has been good for soil fertility. "My wheat yield has been doubled since I started using sweet clover," states Mr. Hofman. Last year his wheat following sweet clover made 40 bushels an acre while the rest made less than 20 bushels. He uses Madrid sweet clover and plans on 35 acres a year. It is pastured the first year and a seed crop is harvested the second year before the crop is turned under.

New Record

An estimated 15 million tons of commercial fertilizers used in 1946 set a new high record for the United States, according to the U. S. Department of Agriculture.

Use of fertilizer more than doubled from 1936 to 1946, it is reported.

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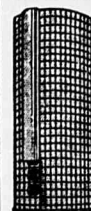
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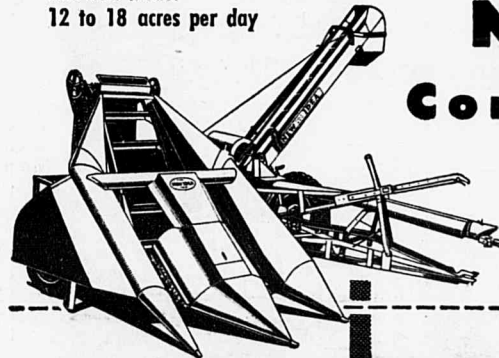
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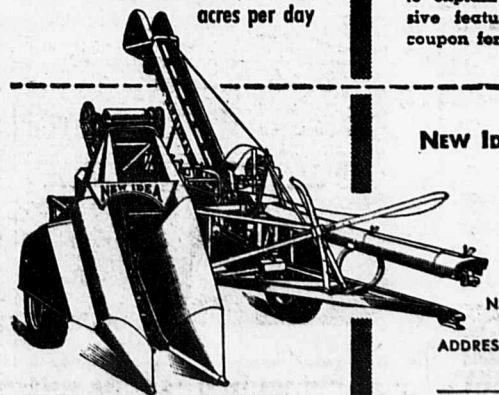
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THE KoolHay WAY

Marketing Viewpoint

C. P. Wilson—Livestock; Paul L. Kelley—Poultry, Eggs, and Dairy.

Will prices of corn-fed cattle hold up for the next 3 or 4 months?—P. S.

Prices of well-finished grain-fed cattle are expected to hold up well during the next 3 months. In fact, some further price advance may occur. Supplies of well-finished cattle will be small between now and November. Hog supplies will also be small and lamb numbers are low. There will be a good supply of grass cattle as the grazing season draws to a close, but these kinds will not compete directly with well-finished grain-fed kinds. The demand situation appears to be strong for the next 3 months. Higher wage rates, full employment, and cashing terminal leave bonds are expected to provide ample incomes to support demand at present high levels during this period.

I want your opinion of the best cattle project for the coming year, starting this fall.—G. D. V.

There is no "best" project that will fit all situations. Each feeder should pick projects that will fit his particular situation. In general, it may be said that in view of the high prices and the risk involved, it would seem desirable to stay with well established programs that have proved to be profitable in the past.

If the deferred feeding program is adapted to conditions on your farm, it would be one of the least risky programs. The advantages from a marketing viewpoint are that good to choice stocker calves are bought in the fall at the time of the seasonal low in price and well-finished grain-fed cattle are marketed a year later at the time of the seasonal high for that kind of cattle. With prospects for a short corn crop this fall, it is unlikely that supplies of grain-fed cattle will be large a year from this fall.

If grain is not available, a wintering program may fit your situation better. By buying the good gaining kind of stocker cattle this fall and utilizing roughage and wheat pasture, costs and risks would be held to a minimum, and you would be taking advantage of a normally strong seasonal price period.

The important thing to keep in mind in these times of inflation and high prices is that economic conditions may change rather suddenly and a period of recession or deflation could occur. Either the loss of any substantial part of the export market due to a lack of dollar exchange in other countries or a decrease in activity in durable goods industries could have rather serious effects on the level of prices in this country. Whether these things may occur in the coming year remains to be seen, but they are a possibility.

Will farmers receive higher prices for butterfat during August than during July?—A. T.

Most factors in the present butter situation point to higher butterfat prices during August. Storage stocks of butter are relatively small. Also milk production is decreasing seasonally and a larger proportion of the milk produced will probably be diverted to the manufacture of ice cream than was the case during July. Up to now there has been relatively little consumer resistance to butter prices in the major markets. However, consumer resistance will likely become more of a factor limiting price advances as the season progresses. Another factor tending to give strength to prices of all dairy products is the recent announcement by the Government that price supports for dry milk solids will continue during August.

Important Subjects

Such topics as "The Community and the World" and "Older Youth and the Farm" were highlighted at a recent 2-day conference at Manhattan, attended by about 300 young adult farmers.

Other subjects discussed or studied at the rural life conference included balanced farming, home living, everyday legal problems, getting along with people, care and use of machinery, selection of household equipment, landscaping home grounds, good livestock management, points to look for in buying furniture, and father-son partnerships. All important subjects.

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Flying Farmers

A NEW honorary member of the Kansas Flying Farmers' Club is President Harry S. Truman. His membership was received recently when he was visited at his Washington office by 3 members of the club. Making the trip to the national capital were George Galloway, president of the Kansas Flying Farmers, and Ernest Schneider, both of Wakeeney, and William Janssen, McPherson. They went East to accept delivery of 3 new light planes which they flew to Kansas on their return trip.

The Flying Farmers flew east via commercial airline and reported exceptional courtesies were given them all the way. There was no mistaking them. Their general attire, including cowboy boots, helped them to be recognized.

Arriving in Washington, they were greeted by Senator Arthur Capper, who took them to lunch in the Senate. Senator Capper then took the Flying Farmers on an inspection tour of the Senate chamber, a privilege reserved for visiting dignitaries. Altho not in an official capacity, they had the opportunity to sit in chairs provided for the legislators in the chamber.

When the Flying Farmers went to the White House for a short visit with President Truman, they were accompanied by Senator Capper. On arriving they were greeted by the guards and permitted to enter without the usual inspections which are necessary for the protection of the President of the United States. There is an expression of honesty written on the faces of Flying Farmers.

While attending the second annual convention of the National Flying Farmers' Association, at Stillwater, Okla., Mr. Galloway was able to show a good many the application for membership in the Kansas club which President Truman had signed. In this application George has a keepsake which he values highly. Altho President Truman is not a native Kansan, it is fitting that he should join the largest state Flying Farmer Club.

Alfred Ward, Johnson, first president of the Kansas Flying Farmers' Club, was named vice-president of the National Association during the meeting at Stillwater. Forrest Watson, Oklahoma, was re-elected president of the National, and Bert A. Hanson, Michigan, was elected for a second term as secretary-treasurer. Columbus, Ohio, will be the meeting place for next year's convention.

Capper representatives at Stillwater; via air: Roy Moore, advertising manager of Kansas Farmer, traveled via Stinson station wagon courtesy of Ong Aircraft Corp. of Kansas City. Miss Betty Lindsay, of the Capper's Farmer home department, journeyed in the new Cessna 190. Keith Swinehart, advertising representative, flew in a Luscombe. Charles Howes, assistant advertising manager of Kansas Farmer, flew his Funk. Cordell Tindall, Missouri Ruralist associate

editor, came in a Navion owned by Leon Garst, of Watson, Mo.

The suggestion has been made that Flying Farmers paint airmarkers on the roofs of their barns or other large farm buildings for convenience of the flying public. These markers could include the name of the Flying Farmers and possibly a direction marker to his private airstrip if necessary. It could be a starting point for the airmarking committee that President George Galloway has appointed. William Wegener, Norton, is chairman of the committee and members are Joe Nonnast, Ness City, and Floyd Firebaugh, St. John.

Mr. Galloway has appointed several committees for specific jobs. He says he wants to get as many members as possible to take an active part in the work of the Flying Farmers. It should serve to make the organization even stronger. One committee that already has gone to work was appointed to study the club constitution for possible revision. Their report will be made at a board of directors meeting in the near future. Their recommendations then will be submitted at the next state convention. Members of this committee are George Parsons, Collyer, chairman; George Baxter, Marion; Raymond Trostle, Johnson.

Here are other committees he named. The titles explain themselves. They are:

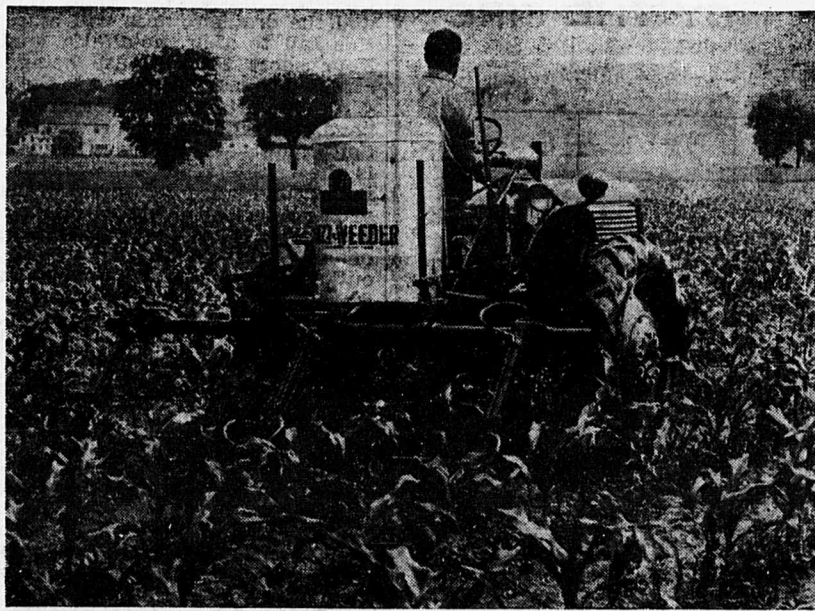
- Membership: Dan Roberts, Plains, chairman; Ernest Bressler, Bird City; J. W. Brewer, Holyrood.
- Convention and Entertainment: Otis Hensley, Glasco, chairman; Virginia Lupfer, Larned; Ailiff Neel, Windom.
- Nomination: Ellis Dinsmore, Clay Center, chairman; Norman Buehler, Scott City; George Burkholder, Abilene.
- Air Tour: Norman Clothier, Florence, chairman; William Janssen, McPherson; Hugh D. Sillin, Cullison.
- Legislative: C. C. Trostle, Nickerson, chairman; Charles Blosser, Concordia; Willard Mayberry, Elkhart.

Here is an invitation many Flying Farmers will want to accept. Pacific Airmotive Corporation invites Flying Farmers to stop with them at Fairfax airport, Kansas City, Kan., when attending the American Royal this fall. W. E. Briece, branch manager, says they will be glad to help Flying Farmers obtain hotel rooms and other services of this type. They ask that Flying Farmers give them a little advance notice of their arrival.

How Salt Helps

Hogs given free access to salt will gain 2½ times more rapidly than those without salt, announces the U. S. D. A., following extensive tests. Hogs will take only about one third of an ounce of salt a day and must never be forced to eat it, say U. S. D. A. specialists. Too much salt is worse than none, experiments have shown.

Using Flame on Corn



Quantity production of the flame cultivator is announced by the New Holland Machine Company, of New Holland, Pa. Originally designed for use in cotton fields, it now is undergoing test use with other crops. In this picture the flame cultivator is shown at work in a plot of young corn.



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Tying Down Their Soil

(Continued from Page 4)

loosely," Mr. Staadt says, "to keep the seed close to the top."

Results so far have been good. Mr. Staadt harvested 2 tons of hay an acre from the field this summer. Late this fall and early next spring he will put 100 pounds to the acre of ammonium nitrate each application to insure a seed crop next year. No pasturing of grass was done this year so the plants could establish a good root system. "I plan to use the seed from this plot to seed about 60 more acres of brome," says Mr. Staadt. In fact, he believes the proper procedure for any farmer wanting good brome grass is to establish a small acreage for seed production. "It is cheaper," he says, "and you get experience on a small acreage where failure wouldn't be so serious." Present plans for the Staadt farm are to use 45 acres of bottom land for grain production and the remaining 160 for hay and pasture as a well-balanced program for beef production.

Mr. Staadt has cleared some of his native pasture of brush and has seeded some upland cropland back to native pasture successfully.

At the H. H. Chapman farm we saw how farmers are establishing successful stockwater ponds with a minimum of drainage area, and with diversion ditches to carry excess runoff around the ponds. The Chapman pond is located to catch pasture runoff from 4 or 5 acres. A diversion ditch around the pond carries runoff from about 45 acres of cropland across the road. This diversion ditch prevents silting in of the pond or tearing out of the dam. Runoff in this area is so great because of heavy rains it has been found that only 1 or 2 acres of drainage often are sufficient to supply all the water needed.

Fish Really Grow

The Chapman pond has been stocked with fish and Mr. Chapman is helping them grow by using fertilizer in the pond. He is fertilizing with about 50 pounds of 8-8-4 on one-half surface acre of water. "I just put it in the water around the edges of the pond," says Mr. Chapman, "and the fish are really growing fast."

This pond program in Miami county is one of the most important projects because farm water supply is a major problem in most of the county, and a very limiting factor in all phases of livestock production.

Getting these farm ponds properly located and constructed so they will do the job effectively requires technical knowledge and assistance as provided by the Soil Conservation Service.

Typical problems encountered are found on the farm of W. C. Crume, where a large pond was under construction when we visited him late in July. The pond, when completed, will provide water for an extensive livestock program, and will be equipped with a draw-down pipe to take water to the farmstead for home and garden use.

Drainage area for this pond will consist of about 8 acres of an 80-acre field which has been used for crop land. This field, along with other land over the farm, however, is being terraced and the drainage area will be seeded this fall to a brome-alfalfa mixture. Four short terraces are being constructed to carry drainage to the pond.

An important installation in this pond, and all others supervised by the Soil Conservation Service in the area, is the trickle pipe. This trickle pipe is being installed 3 feet below the top of the dam and 6 inches below spillway level. Also, proper location is to one side to avoid water pressure. The outlet from this trickle pipe is carried diagonally thru the dam to empty into a rock-lined draw. "If the outlet was carried directly thru the dam and the water allowed to seek the draw from there," says Mr. Hertha, "it would eat out another big ditch and might undermine the entire dam." Purpose of the trickle pipe is to reduce wave action on the dam and to save the spillway from washing during heavy rains," Mr. Hertha explains.

Terracing in the county is being carried on with every type of terracing implements, including bulldozers. "Bulldozers are especially useful," says Mr. Hertha, "where the land is rocky or where considerable field repair is necessary before terracing can be done." Contractors in the county are building terraces for \$2 a hundred feet,

exclusive of fills and field repair, with both bulldozers and whirlwind terracers. Many farmers are building their own with moldboard plows and a few, like Ralph Mount, plan to buy whirlwinds for terrace building and maintenance.

The need for considerable field repair before terracing can be done was illustrated on one of the farms owned by W. H. Lewis. The field we inspected had been deeply gullied. After establishing a grassed waterway parallel to the road to carry off his terrace run-offs, Mr. Lewis had the ditches filled and the field terraced. This fall the field will be seeded to a brome-alfalfa mixture to complete the healing job.

Dale Everhart relates his experience in building terraces with outlets in the road ditches. He constructed some terraces several years ago without establishing grass outlets. For some time now he has been spending considerable time and money on rock and concrete structures along the road ditch to keep the ditches from eating back into his field. It has been a losing battle and he now is preparing to establish grassed outlets parallel to the road.

Pasture Work Pays

Homer Everhart, a brother of Dale, is satisfied that clearing pasture of brush is a paying practice in conservation. He hired a bulldozer last year to clear 40 acres infested with hedge and other brush and trees. Cost of clearing the 40 acres was \$96, he reports. Most of the brush was used in ditches on the farm for soil-catching dams. The cleared pasture will be reseeded to timothy, then followed by brome and red top. "The brush was so thick in part of my pasture even the weeds couldn't grow under them," says Mr. Everhart. He also believes that clearing the pasture will ease his fly problem. "Those flies really love shade," Mr. Everhart says, "and hedge trees make an ideal breeding spot."

Mr. Everhart is one of the few farmers in Miami county who like sweet clover. Most farmers in the county prefer red clover because they say it is easier to control. "I never have had any trouble with sweet clover in following grain crops," says Mr. Everhart, "and I have had the whole farm in sweet clover once and am starting around the second time." The secret of controlling sweet clover, Mr. Everhart has learned, is to plow it under the second spring and follow with a row crop. He does not follow the usual practice of seeding sweet clover with a small grain. He uses lime, then seeds sweet clover alone about April 1 at the rate of 15 to 17 pounds an acre with 100 to 150 pounds of 20 per cent phosphate. "I try to handle the seedbed preparation as carefully as I do for alfalfa," he reports. By using scarified seed he gets full germination and doesn't have seed coming up the second year.

Corn following his first sweet clover made 60 bushels an acre, compared to 35 bushels for the rest of his corn acreage, Mr. Everhart says. "I used the same seed and planted all of it the same day, so all the increase had to be credited to sweet clover," he reports.

But whether they prefer sweet clover or red clover in their rotations, Miami county farmers are fully aware of their conservation problems and are correcting them at great speed. "You won't know this county in another 10 years," predicts Mr. Hertha.

Win State Contest

Five Kansas farmers are eligible to compete in the national plow terracing contest in Cass county, Nebr., August 27. The contest field is 4 miles west and 3 miles north of Weeping Water, Nebr.

The Kansans were selected from a group of 22 who vied for honors at the first state contest held in Brown county August 5. Top man was Luther Johannes, Powhattan, who completed his 300-foot section of terrace in 1 hour 5 minutes. He scored 94.5 points out of a possible 100. Mr. Johannes won a local contest in Brown county last year.

Second place went to Louis Buessing, Vermillion, who was close to the leader with a score of 93.5. Other top scores were as follows: Third place, J. C. Torkelson, Robinson, 88.8; fourth, Dan Zumbunn, Chapman, 88.5; fifth, Lloyd Edwardson, Everest, 87.1.

Foot-and-Mouth Fight

The Mexican-United States commission directing the campaign against foot-and-mouth disease in Mexico is blocking off any loopholes thru which the disease might spread or perpetuate itself.

One recent step in this determined effort to bring the disease under control and eradicate it is the establishment of a thoro-going system of railroad car disinfection in the Mexico City freight yards. All rolling stock in which livestock is sent to Mexico City—main slaughter point of the country—is subjected to a 3-stage treatment before it is again released for transport duty.

After the livestock cars arrive in the stockyards and the animals are unloaded, a cleaning force immediately removes all manure and litter from the cars. The cars then are shifted to another siding, thoroly washed down with streams of water under pressure, left to dry and, as a third step, disinfected. Each car is sprayed inside and out with a 2 per cent or stronger solution of sodium hydroxide.

At the conclusion of this treatment, each car is sealed and placarded and then assigned for further transportation use over the National Railways of Mexico or the Southern Pacific of Mexico. Thus, on arrival at a new loading point, shippers are assured that the cars on which they will load their animals have been thoroly disinfected and possible spread of infection to free areas is avoided.

The disinfection of the cars is carried on under the immediate supervision of a representative of the Mexican Ministry of Agriculture and Livestock, and two technicians from the U. S. Department of Agriculture. No cars used for the transportation of livestock to Mexico City are exempt from this process.

Remote Control

Keeping celery healthy with the aid of 2,4-D that is sprayed, not on the celery but on another plant, is a novelty in agricultural science reported by the U. S. Department of Agriculture.

The 2,4-D would be deadly if sprayed on the celery. It also is deadly to a weed that acts as a "Typhoid Mary" of the celery fields in keeping alive an infection of the celery mosaic virus. The virus disease lives from season to season on the wild day-flower, known botanically as *Commelina longicaulis*. This day-flower is a common weed in the Florida mucklands where celery is an important crop. Aphids transfer the virus from the weed to the celery crop.

The weed is rare on newly cleared land, but it thrives under cultivation and multiplies in cultivated celery fields. Cultivation divides old plants and causes more of the weeds to grow. This weed was identified as the source of the mosaic many years ago. With the development of 2,4-D the way was cleared for an effective attack at the time when the field is clear of celery. The spray kills the weed, and the killing effect of the 2,4-D passes before the celery is set out.

One Florida grower who had been having serious trouble with celery mosaic used the 2,4-D spray on the day-flowers and had a crop that was free of mosaic except for a few plants growing near a ditch where a few day-flowers had not been eradicated by 2,4-D.



for EXAMPLE
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May Extend Price Support

(Continued from Page 5)

sation of hostilities." His proclamation automatically ended the price support program December 31, 1948.

The idea was that before the end of the 2-year period, Europe would be back into food production to such an extent that the huge production of the United States would be surplus in many lines. The support price program was to enable American farmers to "taper off" surplus production in those lines without taking too heavy losses.

But instead of European production getting back toward normal, the wailing cry from Europe, 2 years after the end of fighting (World War II), is that food production seems to be below the war levels. United States and European governments are trying to devise some means of sending more foodstuffs to Europe this coming winter than went last winter or the winter before.

There had been fears of a wheat surplus by this fall. But instead, foreign demands apparently call for at least one third of the United States 1,500,000,000-bushel 1947 wheat crop.

Department of Agriculture had been planning to call for reduced wheat acreages for the 1948 crop. But instead of asking American wheat growers to cut back toward 60 million acres, American growers have been asked to plant 75 million acres. With wheat selling at \$2 on the farm; with Government loan value fixed at \$1.83 for this year's crop, the 75 million acres are very likely to be planted. Cotton also is in short supply, for world needs. Prospects for a corn crop are not too good, indicating short feed supplies for dairy and meat animals. Also Americans are eating more than ever before. So prices of meats, dairy products, as well as grains, are soaring, and promise to continue high for awhile.

Unless Uncle Sam is more generous about supplying American dollars to Europe and Asia than the summer temper of Congress indicated, exports of foodstuffs should begin dropping somewhat sometime next year. But expected tremendous pressures on Congress to provide additional billions of dollars for foreign relief and reconstruction stand a 50-50 chance of getting results.

Washington feels that the inevitable drop in farm prices, whether gradual or sudden, now is not due until late 1948 or 1949; perhaps not until 1950. That means continuation of the price support program, from the viewpoint of the farm states, and the members of Congress from farm states and farm districts.

However, congressmen from industrial and city districts are not being importuned by their constituents to continue the support price program. A large proportion of city consumers have it in their heads that Government support prices are responsible for the high cost of foods, particularly meats and milk.

Actually, market prices of grains, meat animals and even dairy products, are so much above the guaranteed 90 per cent of parity that Government supports will be at a minimum this year.

Anyway, it begins to look as if Congress will have enough trouble reaching agreement on continuation of support price levels for another year or two, without going into the long range program in an election year—and in what congressmen hope will be a short session. Foreign relations will take a lot of time, also.

Already noted, the recent session of Congress did not enact any spectacular farm legislation. Attempts in the House to knock out the soil conservation payments program were blocked in the Senate. The school lunch program is to be continued. Rural Electrification Administration has practically the same amount of money for operations as last year, and has \$225,000,000 more for loans. Research marketing act gets 9 million dollars, of 19 asked, but probably that is as much as can be spent economically this fiscal year anyway. The Extension service actually got a slight increase over last year, altho not enough to brag about.

Government crop insurance took a licking. The House program of retaining it on an experimental basis was only partly modified in the Senate.

Wheat insurance this year is limited to 200 counties; cotton, 56 counties; corn and flax, 50 counties each; tobacco, 35 counties.

Congress only appropriated some \$15,500,000 for carrying on the foot-and-mouth disease program in Mexico, but in effect authorized the Department of Agriculture to spend whatever it finds necessary.

The farm labor supply program was ordered liquidated by the end of this year, despite fervent pleas from the Farm Bureau that it be made a permanent program and be administered by the Extension Service of the Department. Its camps are to be sold to Government agencies or farmers' associations to be used to house migrant seasonal labor.

For the first time, Congress gave the wool support price program a legislative status. The act finally signed by the President (after he had vetoed a bill which also would have authorized him to levy import duties and slap on import quotas—State Department insisted that provision would have ruined the international trade of the whole world) provides for support at 1946 price levels (42 cents in the grease) thru 1948. It also authorized the Commodity Credit Corporation to sell its nearly half billion pounds in the market; previous law had prohibited sales below parity.

The Federal Insecticide, Fungicide and Rodenticide Act provides regulation of marketing of economic poisons and devices. It provides for Federal and state co-operation in this field. Another bill passed prohibits dumping of garbage in American water from ships, air planes, or other carriers in international commerce.

Specific legislation authorizing the Department of Agriculture to regulate or prohibit importation of nursery stock also was enacted.

Another act authorizes marketing agreements to remain in effect thruout the calendar year, even tho the market price of the commodities affected goes above parity, so as to maintain minimum standards of quality covered by the agreements.

Life of the Commodity Credit Corporation was extended to June 30, 1948. Either it will be extended again next session, or the CCC will be granted a permanent federal charter.

Department officials and livestock men are pretty much worried over foot-and-mouth disease in Mexico. A special Congressional committee, which made a hurried trip to Mexico this summer just before Congress adjourned, was sharply critical of the progress being made in the eradication program sponsored jointly by the U. S. and Mexican governments. So far the disease has been held 300 miles south of the U. S. border. But in the northern area of Mexico there are thousands and thousands of cattle "eating their heads off" that cannot be marketed. They cannot cross into the United States. The Mexican slaughter houses are swamped with foot-and-mouth cattle condemned and for which indemnity payments are being made. Unless slaughtering facilities are made available in this northern area, it is feared that the owners may allow foot-and-mouth to be introduced so the cattle can be slaughtered and the owners get the government indemnity payments.

Don't be surprised if Congress is called back by November. The foreign situation is decidedly explosive. Britain and France are threatening to "blow up" unless they are given more American dollars. Britain will have used up her latest American "loan" of \$3.75 billion by early next year. Britain does not want another loan; just wants more American dollars. Britain is cutting down expenditures and occupation forces; checking it to United States to spend and work and fight to save what's left of the British Empire. France is said to be even worse off—for dollars—than Britain. Russia, it is being allowed to "leak" in Washington, is just waiting for the capitalist crack-up. It's Uncle Sam's job to prevent the crack-up.



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Write for catalog to SEA-PAR FARMS, 1016 Union National Bank Bldg., Wichita, Kansas, and G. W. LORANCE, Lafontaine, Kansas
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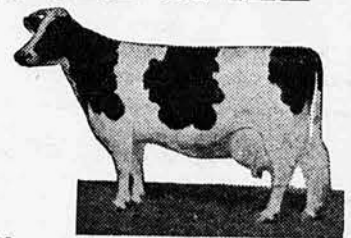
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**BANBURYS'
Polled (Hornless) Shorthorns**

Cherry Hill Hallmark sired by the \$5,700 Gosshall Zimenes and bred by Oakwood Farm, Ashville, Ohio (his dam was good enough for Cherry Hill Farms to own) and Red Coronet 2nd sired by the International Champion and bred by the Thiemans, Concordia, Mo., are producing the most perfect calves in the history of the herd (established 1907).

Young males and females for sale. Three head a specialty. Calftood vaccinated. Deliver in Kansas at cost. Thursdays are special sale day at the farm, 22 miles west and 6 miles south of Hutchinson.

QUEEN OF HEARTS 2nd X.

J. C. BANBURY & SONS, Phone 13F2, Plevna, Kansas

What's so special about your special farm deal?

When farmers on my route save from \$6⁵¹ to \$27⁴⁶ apiece... I call that special!



Standard Oil Agent Jesse Dunn tells how the Special Farm Deal helps customers near Mt. Auburn, Illinois, come out money ahead.

Your Standard Oil Agent can save you extra cash, too!



"That's right—farmers on my route saved from \$6.51 to \$27.46 through the Special Farm Deal," says Standard Oil Agent Jesse Dunn, Mt. Auburn, Ill. "Savings ran from \$6.51 by Fred T. Vancil, of Edinburg, to \$27.46 by A. L. Morgan. These savings were made as discounts on oils, greases and other products I delivered right at the door early this year."

There you have some records of a single Standard Oil Agent—typical of over 3700 others who help farmers cut costs. In fact, midwest farmers by the

hundreds of thousands can report similar 1947 savings on Standard Oil's Special Farm Deal.

This money-saving, trouble-saving deal has many advantages: You get quality products. You get products you are going to need and use. You have them delivered when you want them. You pay only on delivery, and you save as you pay. You get attractive discounts by placing your order in advance.

So it's simply good management to get in on our Special Farm Deal. Ask your Standard Oil Man for the details. Ask him today!

All these fine products available in Standard Oil's Special Farm Deal

PERMALUBE—Standard's newest, finest motor oil; gives premium-plus lubrication; does more than lubricate thoroughly—it cleans engines; keeps them clean, protects against bearing corrosion.

ISO-VIS—High-quality, long-lasting motor oil; contains a special anti-sludge, anti-varnish ingredient to keep your engine cleaner; gives you better performance with less wear.

POLARINE—medium priced motor oil; lubricates safely. Has engine-cleaning properties that help keep engines clean for long periods.

Standard Greases—Right types and grades for every purpose.

Superla Insect Spray—Exceeds National Bureau of Standard's grade "AA" requirements.

Superla Insect Spray with DDT—For spraying on walls, ceilings, etc. Keeps killing for weeks.

Bovinol Stock Spray—Cuts milk losses caused by flies.

Bovinol 25% DDT Concentrate—Mix with water for spraying barns

and stock.

Mica Axle Grease—For hog greasers as well as wagons and skids.

Semdac Liquid Gloss—For woodwork, furniture, and unfinished floors.

Semdac Flor-Glaze—Self-polishing wax for linoleum, composition and finished floors.

Superla Cream Separator Oil—Also used for oil-bath gears in

windmills.

Finol—Useful in "1001" ways where a light, fine oil is needed.

Harness Oils—For both black and tan harnesses.

Eureka Belt Dressing—For canvas aprons of combines, binders and headers, and for corn husking mittens.

Standard Rustproof Compound—Protects metal equipment against rust, in any weather.

STANDARD SERVICE

STANDARD OIL COMPANY

