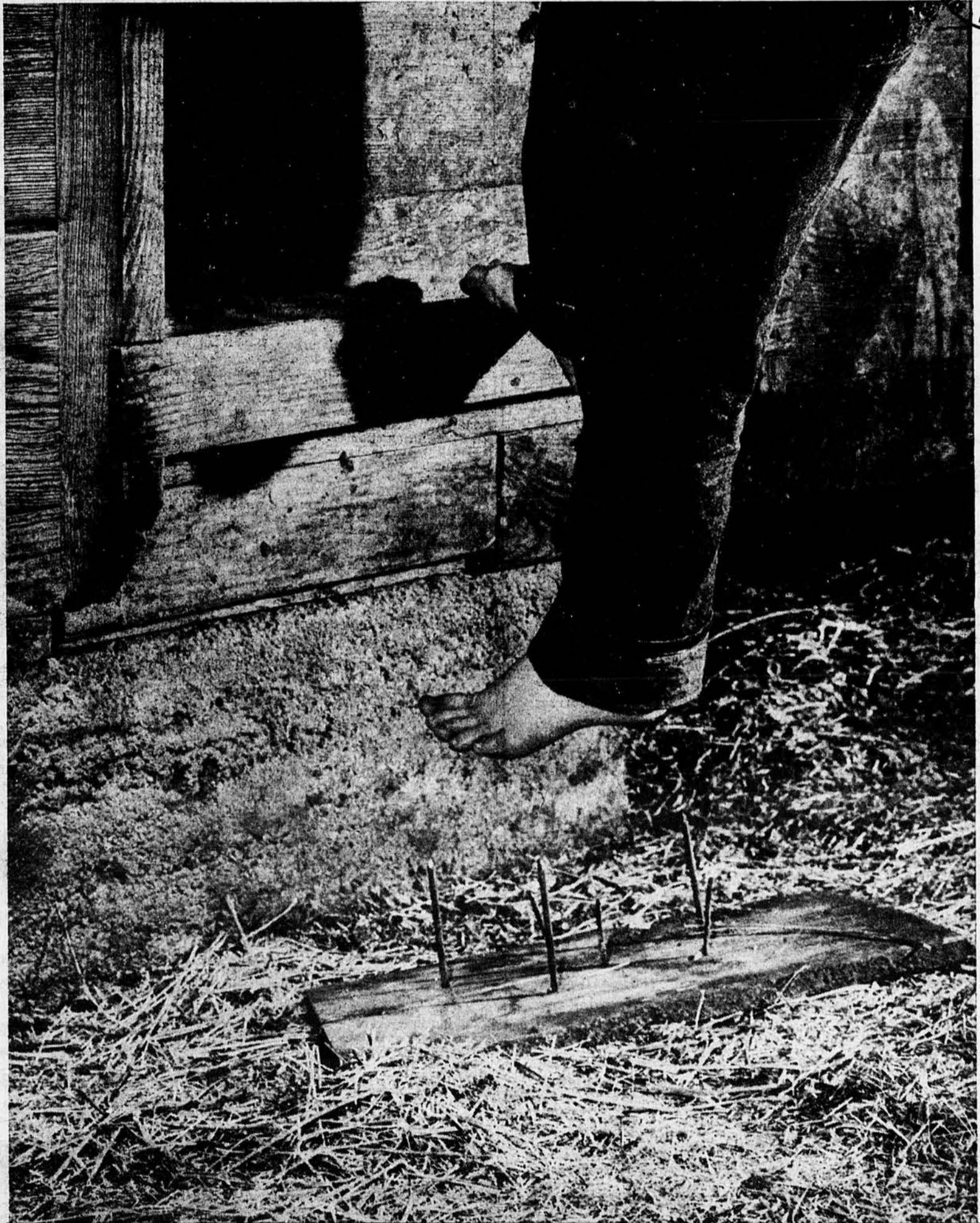
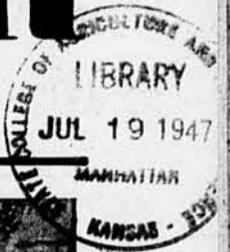


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KANSAS FARMER

CONTINUING MAIL & BREEZE

JULY 19, 1947

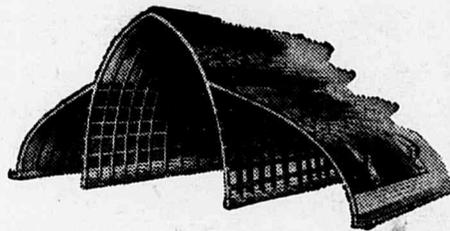


An Accident About to Happen . . . See Page 7

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**More Legume Seed
After Insects Sprayed**

A SERIES of field demonstrations, to determine the increased legume seed production possibilities of various insect-killing chemicals, is being carried out in Kansas this summer under supervision of Dr. E. G. Kelly, Kansas State College entomologist.

Various plots of alfalfa and red clover in the state are being treated with DDT, methoxychlor, benzene hexachloride (BHC), a combination of DDT and BHC, chlordane, and DDT-chlordane, reports Doctor Kelly. Test plots are located in 11 counties widely scattered over the state.

Both spraying and dusting methods are being used, says Doctor Kelly, but all plots are being treated at the rate of one pound of pure material an acre, regardless of the mixture or diluent used. Comparative seed yield tests will be made between treated and untreated plots.

Purpose of the demonstrations, states Doctor Kelly, is to determine whether treating will increase seed production, which chemical or combination is most effective, and when and how to treat alfalfa and red clover for best results.

Insects that cut seed production of these 2 legumes include grasshoppers, cutworms, armyworms, clover leaf weevil, webworms, leaf hoppers, tarnish plant bug, rapid plant bug, Halticus citri, seed chalcis and thrips. Any one of these insects can cut seed production but often occur in groups, says Doctor Kelly. "It is our job," he states, "to find the answer on how and when to kill any or all of these insects to protect seed production."

Until more is known about such treatments, Doctor Kelly warns farmers to go slow in experimenting on their own. "If farmers want to try it at all they should select only a small plot for treatment just as a test," he points out.

"It also is very important that all kinds of bees be protected," Doctor Kelly says, "since bees play an important part in pollination of blossoms. Plants must not be treated with DDT, Velsicol 1068, or BHC when there are blooms. The time to spray or dust

fields will be before the buds open and after blooms are gone and bees have quit the fields."

Doctor Kelly also warns that DDT, Velsicol 1068, and BHC are toxic to warm-blooded animals. Until more is known about residues remaining on the plants at harvest time and the toxicity of treated plants to livestock, these poisons should not be used on crops that are to be pastured or fed to warm-blooded animals.

The only extensive information now known on any of the chemicals being tested for insect controls is information on effectiveness of Velsicol 1068 and BHC for grasshoppers, Doctor Kelly explains. One pound of Velsicol 1068 sprayed or dusted on one acre of growing succulent alfalfa will control grasshoppers. BHC containing 10 per cent gamma isomer used at the rate of 3 pounds an acre has proved effective for grasshopper control when sprayed or dusted on growing or succulent alfalfa.

Should these test demonstrations prove valuable, general application over the state would be fairly simple, Doctor Kelly believes. There is power-spraying equipment in many of the counties, he points out. It would not be very costly to get a field spray boom about 16 feet long, with 9 or 10 nozzles, to use for field spraying. The ordinary potato spray boom is the type needed. This boom can be attached to the rear of the machine where it readily can be connected to the sprayer by rubber hose.

Sweet Clover for Silage

A 15-acre field of sweet clover filled a 14- by 35-foot silo this spring for Roy Driver, Osage county. The clover was seeded into wheat in spring of 1946. Last year he cut some for hay and used much of it for pasture during the late fall and winter. This spring he cut the clover and windrowed at the same time. After it had wilted a few hours in the windrow it was picked up with a field chopper and blown into the silo.

As soon as the clover was off, the field was planted to corn.

**New Road Signs
Will Mark the Way**

IT WILL be easy to give travel directions in Pottawatomie county when the Rural Youth Organization there completes its present plan of county markers. And if you like a bite of lunch beneath the shade of a tree, you will find pleasant roadside parks along the way. The youth group is sponsoring these, too.

This youth organization is less than a year old. It was organized last November. But the members are getting an early start in county improvement. They have pride in their county and are working to make it more attractive to visitors as well as residents.

Their first project was a roadside park on the highway north of Wamego. The state highway department owns a small tract of land there between 2½ and 3 acres in size. To control weed growth it had been seeded to oats and other cereal grains in years past. As sponsors of the project, the Rural Youth Organization has received the help of the highway department in converting the tract to a picnic ground. Trees have been planted, roadways are laid out and grass will be seeded. Tables and outdoor fireplaces will be added later.

President of the group, Dale Bairow, noticed a complete system of individual farm markings in some southern states while on a trip last spring. He had hopes that farms in Pottawatomie county could be marked as well. But material shortages and other handicaps make this program impractical at present. In its place the group has started a marking program of well-known locations in the county that will be an aid in giving road directions.

The first sign, Dale says, will identify "9-mile corner" between Wamego and Westmoreland. This corner has long been known by that name because it is approximately 9 miles from 4 towns in as many directions from the corner. County commissioners made some material available to the youth

group for building the sign. Others will be made as soon as more material can be obtained.

The Pottawatomie Rural Youth Organization has community pride and is making long steps altho it is young.

Paraffin Fingertips

To prolong the life of canvas gloves, I dip the fingertips in hot paraffin and insert a clothespin at once in each fingertip until paraffin gets cold. Such treatment not only makes gloves last longer but prevents dirt from coming thru the canvas.—M. O.

Senator Capper on Radio

Every Sunday afternoon at 3:45 o'clock Senator Arthur Capper discusses national questions over WIBW radio station.

KANSAS FARMER

Continuing Mail & Breeze

Topeka, Kansas

Vol. 84, No. 14

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Three years, \$1; one year, 50 cents.



"The Kind of Service Farmers Appreciate"

Highline Crew on Job in 2 Hours to Replace Storm-damaged Transformer



THE electric companies of Kansas serving thousands upon thousands of farms appreciate fully the importance of prompt service when disasters cause interruption in supply of electricity to busy Kansas farms.

When storms breed trouble, you will find representatives of the electric companies near you, ready with line crews for any sort of emergency.

It is a matter of record that a storm-damaged transformer has been replaced in one Kansas community within two hours—a remarkably short time.

All over Kansas, farmers have found that they can depend on the prompt friendly service of the electric companies. Even in the face of many essential materials, hundreds of additional farms are being connected to highlines.

In the meantime, remember that an all-electric farm is worth waiting for. Highline electric service will reach you as soon as it is humanly possible to do so.

A TIMELY MESSAGE FROM THE

PIONEERS IN RURAL ELECTRIFICATION

CENTRAL KANSAS POWER CO.
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All-Electric Service is worth waiting for!

Now! LIFE INSURANCE EXPERTS PROVE THAT FORD TRUCKS LAST *up to* 19.6% LONGER

FOR THE first time in history, the scientific methods used by life insurance companies in computing rates have been put to work in figuring out life-expectancy tables for Ford Trucks.

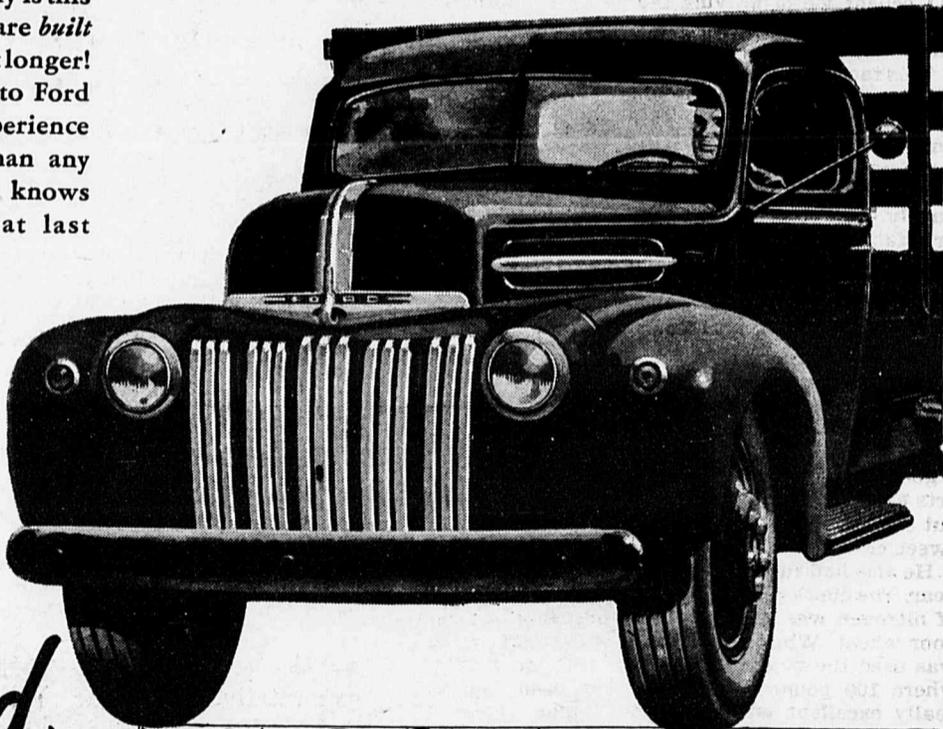
4,967,000 Trucks Studied . . . Wolfe, Corcoran and Linder, leading New York life insurance actuaries, assembled the records of all trucks of the five sales leaders registered from 1933 through 1941 . . . 4,967,000 trucks in all. Then they prepared *truck* life-expectancy tables in exactly the same way that they prepare *human* life-expectancy tables for life insurance companies.

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The result? Ford Trucks Last Longer! Up to 19.6% longer than

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See your Ford Dealer today. See the life-expectancy charts. You'll see why it'll pay you to place your order for a Ford . . . the truck that lasts longer!



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**FORD TRUCKS
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It stands to reason the longer you use a truck, the less it costs to own. That's why longer-lived Ford Trucks are the top truck value. And, logically, Ford longevity means lower maintenance costs . . . less time in the shop. It means more unused miles when you're ready to trade, and a better trade-in. Yes, any way you look at it, you'll get more truck for your money with a Ford Truck . . . because Ford Trucks last longer!

The life-expectancy of a Ford Truck is:

13.1% longer than that of Truck "B"
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OFFICIAL ACTUARIAL CERTIFICATE

Based on the application of sound and accepted actuarial methods to the actual experience as measured by truck registrations, we hereby certify that, in our opinion, the accompanying table fairly presents the relative life-expectancy of the trucks involved.

WOLFE, CORCORAN AND LINDER
Life Insurance Actuaries, New York, N. Y.

Legumes Where They Wouldn't Grow

By DICK MANN



Farmers on Woodson county crops tour examine fertilized brome-grass waterway on the Roberts farm. This brome had not produced a seed crop for 2 years before being fertilized.



Bob Roberts, Woodson county farmer, stands in unfertilized wheat on his farm to show height of plants on May 21, 1947.

In an adjoining plot Mr. Roberts shows results of using 100 pounds of 40 per cent phosphate an acre.

FARMERS in Woodson county are doing an excellent job of proving the value of legumes in rotations, use of lime and fertilizers, terracing, and other conservation practices.

This fact was dramatized recently in a crops and soils tour. "I can remember when farmers in Woodson county thought it was impossible to grow legumes," stated Gene Cleavinger, Kansas State College extension agronomist, who made the tour. "Now, in cultivated areas of the county, you can hardly get out of sight of sweet clover, red clover or alfalfa."

Lime plus legumes certainly has revolutionized farming in the county within the last few years. With the value of legumes well established, farmers also have turned to experimenting with commercial fertilizers and are doing a fine job of terracing, contour planting, setting out windbreaks, seeding grass waterways, and all the other soil-conservation practices.

The farm of R. C. Roberts gave touring farmers a good idea of results of many practices. Mr. Roberts has his farm completely limed and has worked out a rotation that soon will cover every acre with sweet clover or alfalfa.

He also had the county's wheat fertility plot this year. The check plot and the plot where 100 pounds of nitrogen was applied at seeding time had very poor wheat. Where 100 pounds of 2-12-6 fertilizer was used the wheat was fair. It was much better where 100 pounds of 10-30-0 was used. But the really excellent wheat was on a plot where 100 pounds of 40 per cent phosphate was applied. This percentage was obtained by mixing a bag of 20 per cent with a bag of 62 per cent phosphate. Phosphate on oats also showed a very marked increase on height and color of the plants. Farmers viewing the wheat plots estimated that the 100 pounds of 40 per cent phosphate would double yields over that on the untreated plot.

A 3-year-old grassed waterway on the Roberts farm also was inspected. Brome grass on this waterway was in bad condition last spring, when Mr. Roberts gave it a side dressing of 150 pounds of 33 per cent nitrogen an acre. Treatment was later than recommended because of wet weather, Mr. Roberts reported, and the amount used was 50 pounds an acre less than recommended. However, he expects to get a seed crop this fall after 2 years without a seed crop. "I should have used nitrogen every year," Mr. Roberts said.

On the Charlie Powell farm use of ammonium nitrate on flax showed up well. It was applied as a top dressing at the rate of 100 pounds an acre.

Crops and soils tour of Woodson county shows how farming has improved in the last few years—the results of legumes, lime, fertilizers, terracing and all-around soil saving

Where rains had washed nitrate thru his terrace outlets onto a native pasture, the grass was much more lush, indicating treatment of pastures might be profitable.

Mr. Powell sowed his flax with sweet clover in 1946 and thought he had a poor stand of clover. However, it came out well in the fall and he will get a seed crop this year. Sweet clover has stopped most of the runoff on one field that had the topsoil eroded down almost to subsoil level.

A newly established windbreak on the Powell farm was set out on the contour and was getting a good start. The goal in Woodson county is for a windbreak on every farmstead. It was recommended that windbreaks be cultivated the first 3 years. Five points for a [Continued on Page 28]



Wheat following sweet clover was almost waist high at the Calvin Brodman farm. Adjoining wheat following wheat was 6 to 8 inches shorter. Mr. Brodman is shown here in the wheat following sweet clover.



Seeding sweet clover in oats spaced in 14-inch rows is a highly recommended practice. This picture was taken on the Howard Carlisle farm, Woodson county.

Farm Matters

AS I SEE THEM

SO FAR as farm income and the immediate future are concerned, Kansas and American agriculture generally are sitting on top of the world, so to speak.

But it is a pretty shaky world, with dangerous explosives in nearly all quarters.

Today the Balkans is the danger spot, with the United States of America and the union of Soviet Socialist Republics lining up the peoples of Europe preparatory for a titanic contest for world power.

Tomorrow the spotlight may well shift to China, where General Chiang-Kai-Shek's nationalist government may be in its final struggle against chaos and communism.

Neither Soviet Russia nor the United States is depending upon the United Nations organizations to bring about or preserve the peace. The United States is endeavoring to bring about conditions in Europe which will allow free governments and free economics to function for free peoples. It faces a similar task in the Orient, if the Truman doctrine is to be made effective. Russia, on the other hand, seems to be engaged in promoting chaos and confusion and despair over the rest of the world, while enforcing stability at home and in her satellite states by exerting state police powers to the limit.

This world condition is of direct and pressing interest to all America, including American agriculture. It calls for huge exports of American foodstuffs to Europe, particularly.

For the time being that means, of course, a huge demand for foodstuffs; a market for products of the American farms. It means high prices—high prices for wheat and corn and livestock sold by farmers. It also means high prices to be paid by American consumers.

It means, also, a huge demand and export market for products of American industry, particularly for products in which steel is a factor. And large exports of coal as well. It means that cars, combines, trucks, electrical equipment, railroad equipment, materials to build plants and factories and power stations, all of them needed here at home to replace the wastage of war, are being exported in good-sized quantities to reconstruct Europe. It means boxcar shortages for hauling Kansas wheat. It means shortages of machinery for harvesting.

Combined coal and steel shortages the world over explain in large measure why John L. Lewis won such an easy—and to the rest of us costly—victory in his recently agreed to contract with the coal operators. Rather than risk stoppages in steel plants, and in turn all industries depending on steel for continuing operations, the steel industry led the way and joined forces with Lewis in virtually compelling the coal operators to yield to Lewis's demands for higher wages and other favorable concessions to his miners, and to himself.

It does one's heart good to learn that Kansas has almost a 280-million-bushel wheat crop—a half billion dollars income for Kansas wheat growers this year. And the Department of Agriculture's estimate for Kansas corn this year is more favorable than we had been led to believe. But, of course, that is not yet made.

Your representatives here in Washington, working thru the Interstate Commerce Commission and the Department of Agriculture, have been doing everything possible to get the necessary boxcars

and combines routed to the Kansas wheat fields. I honestly believe we have got at least our fair shares for Kansas. I know, also, that the supplies are inadequate to meet the needs.

But at that we are so much better off than most of the rest of the world, that we can bear these inconveniences, I believe, while hoping and working for betterment of conditions in the future.

There is another thing I believe all of us ought to keep in mind—so as not to be disagreeably surprised later on. These high prices for farm products shipped abroad are being paid largely with American dollars that in turn and in time will have to be paid for with taxes. Europe will not pay for them, at least not while we continue to do so. And the high taxes, accompanied by shortages of goods and supplies, will be accompanied by high prices paid as well as by high prices received. I urge farmers particularly to pay off debts wherever possible while farm prices and incomes are high. The pendulum will swing the other way some of these days.

Please Be Careful

I KNOW there are more pleasant subjects to write about than accidents. But we must face the fact they do happen. I am sure you have come so close to having an accident it "scared you out of a year's growth," to quote a well-used expression. Or you have seen other folks get hurt, or worse, and that isn't a very pleasant experience.

The reason I am bringing up the subject just now is because July 20 to 26 has been declared National Farm Safety Week. Its immediate purpose is to urge every farm family to adopt safe practices of living and working 52 weeks a year. It is hoped every farm family will be persuaded to set aside a specific time next week to discuss ways of preventing accidents on the farm, in the home and on trips away from the farm.

The long-time purpose of National Farm Safety Week is to reduce the tragic farm accident toll, prevent thousands of deaths, avoid hundreds of thousands of needless injuries, and prevent the sorrow and suffering caused by accidental deaths and injuries.

National Farm Safety Week was started in 1944 by the National Safety Council. This organization digs into the cause of accidents in virtually every line of business, production and manufacturing you can name. There are sections for factories, mines, transportation, and I am glad farming has been included. Other organizations sponsoring National Farm Safety Week include the Farm Equipment Institute, U. S. Department of Agriculture, National Fire Protection Association, American Farm Bureau Federation, Farmers' Union and the National Grange. The week has been officially proclaimed by the President of the United States.

Checking up on accident figures, I find there is real need for all of us to be more careful. Here is a fact that makes us think: Accidents take the lives of more children than 8 leading childhood diseases combined. The most recent figures, for 1944, show that accidents killed 11,763 children between the ages of 1 and 14 years. This is about 1,000 more

than the combined tolls of pneumonia, diarrhea and enteritis, measles, diphtheria, cerebrospinal meningitis, poliomyelitis, whooping cough and scarlet fever.

The National Safety Council reports that 100,000 Americans were killed by accidents in 1946.

We apparently don't believe in signs, or heed them, because traffic accidents took the lives of 33,500 Americans last year. And it has been proved that 37 per cent of the motor vehicle grade-crossing accidents were at crossings protected by gates, lights, bells or watchmen; in 53 per cent of these accidents, the trains actually were standing still or going less than 30 miles an hour.

I think the National Safety Council does a clever job of reminding us to be careful in such lines as, "Stop! Look! and Lessen Accidents." Here is another one: "A lifetime can be spent in crossing a street."

Here is that strange fact about homes again. The home toll still led the accidental death parade with 34,000 last year. I think this is one of the strongest arguments for taking time out next week and hunting out the accident hazards in the home and on the farm.

Now, I have been giving figures for the country as a whole. But the picture is just as bad on the farm. The farm, by the way, doesn't hold the record now as the most dangerous place to work. That belongs to the lumbering industry—safest place is the communications industry. On the basis of pre-war experience, it is estimated that an accident resulting in a disabling injury may occur to a resident of one out of every four farms in America this year. I sincerely hope Kansas farms will fall far short of this number.

I hope extra precautions will be taken on every farm. Unless that is done thruout the whole country, 52 farm residents will be killed and 4,900 injured every day this year. It is startling when we find this means that 2 farm residents may be killed and 205 injured during an average working hour. Or that there is one accidental death every 28 minutes, and an injury every 18 seconds.

Now, a person simply cannot go around shuddering all his life because all kinds of accidents might happen. That would make him very unhappy, would prevent him from doing his best work. However, a healthy fear of accidents is highly recommended. It will urge every member of the family to look around the farm and home for accident hazards. They can be discussed. Each person can do something toward eliminating them.

Then it may do a lot of good to open up and confess the times you have been careless. I know a woman who received a severe eye burn from a tea-kettle spout as she bent over the stove. She said it was carelessness. Now the spout always is turned toward the back of the stove instead of out where it can burn someone; and every member of the family sees that this is done.

Do you know anyone who has had an accident because, just for a minute, he didn't watch where he was driving?

I believe an accident prevention discussion with the family next week will be very interesting. It also may save real trouble.

Arthur Capper

Washington, D. C.

Europe Will Need Help Much Longer

By CLIF STRATTON

Kansas Farmer's Washington Correspondent

WASHINGTON, D. C.—Here is what Secretary of State George C. Marshall said at Harvard University Commencement last month, which is the basis for the so-called Marshall proposal to implement—or replace—the so-called Truman Doctrine for world-wide assistance from the United States:

"I need not tell you gentlemen that the world situation is very serious. That must be apparent to all intelligent people.

"I think one difficulty is that the problem is one of such enormous complexity that the very mass of facts

presented to the public by press and radio makes it exceedingly difficult for the man in the street to reach a clear appraisal of the situation.

"Furthermore, the people of this country are distant from the troubled areas of the earth, and it is hard for them to comprehend the plight and reactions of the long-suffering peoples, and the effect of those reactions on their governments in connection with

our efforts to promote peace in the world.

"In considering the requirements for the rehabilitation of Europe, the physical loss of life, the visible destruction of cities, factories, mines, and railroads was correctly estimated, but it has become obvious during recent months that this visible destruction was probably less serious than the dis-

location of the entire fabric of European economy.

"For the past 10 years conditions have been abnormal.

"The feverish preparation for war and the more feverish maintenance of the war effort engulfed all aspects of national economics. Machinery has fallen into disrepair or is entirely obsolete.

"Under the arbitrary and destructive Nazi rule, virtually every possible enterprise was geared into the German war machine. Long-standing commercial ties, private institutions, banks, insurance companies, and shipping com-

(Continued on Page 27)

Will Add More Soil Savers

ALTHO he isn't entirely satisfied with results of his soil-conservation practices, Orville Caldwell, of Lyon county, wouldn't want to be without them and is planning to add more.

Mr. Caldwell has been over all but 10 acres of his farm with 2 tons of lime an acre and is starting the second time around with sweet clover. Even with these practices he does not believe his soil is producing as it should.

He is pleased, however, with his 10-acre brome-grass waterway, which is curing a draw and which provides excellent pasture for his cattle. As soon as this waterway is better established he plans to build some additional terraces. He already has 3 short ones.

Some difficulty has been experienced by Mr. Caldwell in establishing sweet clover. He seeds at the rate of 15 to 18 pounds to 2 bushels of oats an acre. Once established, sweet clover is easy to grow the second time around in the rotation, he reports.

Ten more acres of brome grass are planned because the cattle like it so well. First love of all his conservation practices to date, however, is the 5-row farmstead windbreak. "It certainly dresses up the place and I enjoy just looking at it," says Mr. Caldwell. The windbreak also cuts down snow drifting into the farmyard.

With results of his conservation practices below expectations to date, Mr. Caldwell is continuing with them in the belief they will pay off in the next series of dry years.

More on Test

Increased interest in herd testing is being shown by Sedgwick county dairymen, according to Don Ingle, county agent. Two new herds have been put under test this year, making 16 in all.

Plans now are to have 24 herds in the county on test by January 1, 1948, which will complete a full testing association within the county. At present, Sedgwick county is combined with Sumner county in one association.

A State Champion

W. G. Ransom, Ransomville, has made a state-champion record on his registered Guernsey cow, Ransom Flidget's Faye. Her production of 14,928 pounds of milk and 678 pounds of butterfat is the highest record in the state made by a junior 3-year-old.

The sire of this cow, Argilla General Lee, owned by Mr. Ransom, has 3 sons and 24 daughters in the performance register of the American Guernsey Cattle Club.

Pasture Success

A good way to build up fertility of temporary pasture areas is used by Heersche Brothers, Sedgwick county dairymen. They have a series of lots radiating from their dairy barn.

By rotating these areas as feed lots and for temporary pasture they get an unusual amount of manure spread without any labor. The result is that when a lot is seeded to temporary pasture after having been used as a feed lot during the winter, forage growth is much greater.

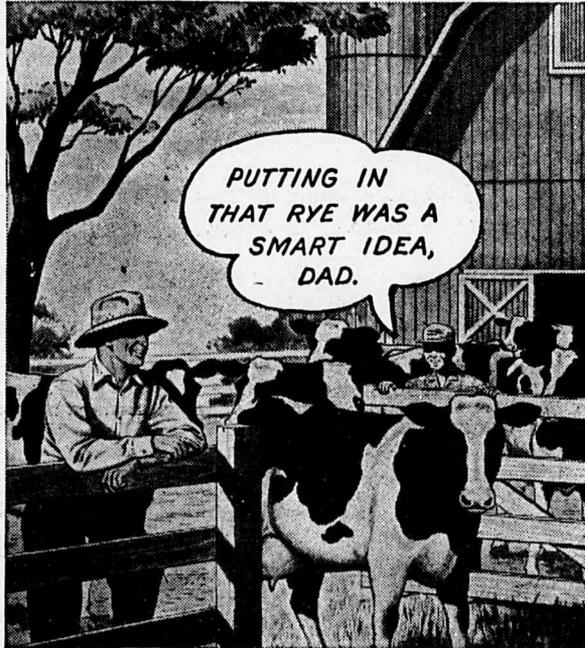
The Cover Picture

A farm accident about to happen is pictured on the cover of this issue of Kansas Farmer. Posed by Tom David, 7-year-old son of Mr. and Mrs. Sam David, of Cowley county, the picture illustrates how small, neglected things can turn into tragedy.

The David farmstead is an old one that went with the farm when they took it over several years ago. Mr. David now is signed up for a balanced-farming program, which will include complete modernization of the farmstead.

Old, run-down buildings on the farm always offer plenty of hazards. Wayne David, an older brother of Tom, is working on health and safety as one of his 4-H projects this year.

Lengthen your pasture season... seed small grains



PLAN NOW TO SEED SMALL GRAINS in mid-August to mid-September for late fall and early spring pasture. Balbo rye, barley and, in the South, winter oats seeded early, will provide excellent grazing from late September until freeze or snow. Your cows, with this fresh green pasture, are likely to increase their milk volume as much as 35%. And these small grains will be ready for spring grazing two to five weeks earlier than permanent pastures. It means "more milk per acre" on your farm.

In the South, cover crops such as crimson clover, vetch and rye grass (alone or in combination with winter oats or rye) can be seeded in late summer to provide lush grazing through most of the winter. They cut feed costs and raise milk volume.

As you probably know, cow population of the U.S. is down. But human population is growing rapidly. And nutrition authorities are urging people—men, women and children—to use more milk and dairy products for better health!

These basic facts spur us on in our efforts as co-workers of yours in the marketing of milk and other dairy products. They indicate the wisdom of adequate production to hold the present markets and point the way to your future security through efficient milk production.

Plan your farm operation for more uniform production of quality milk the year around . . . and more milk per acre! The County Agent and your dairy field service man are ready and anxious to help you.

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Harding Cream Co.
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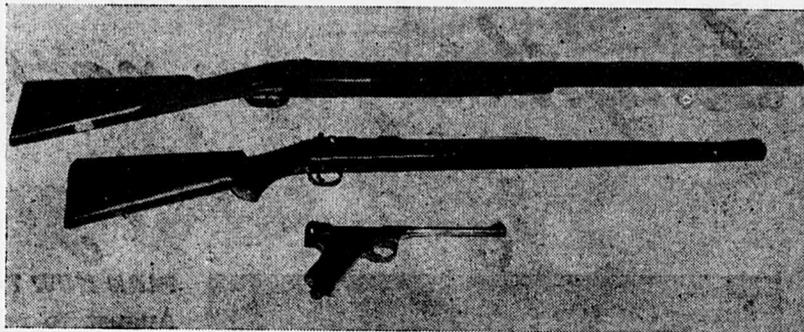


WORTHINGTON

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OF PUMPS

Take Time for Hobbies

Along With Doing Good Job of Farming



An expert gunsmith, Ed Zohner has a fine collection of firearms he has built or remodeled. Here are 3 of the guns in the Zohner collection. The pistol was completely hand made except for the barrel, which was turned down from a rifle barrel.

IF WE had a chance to live our life over again we would like to pattern it after the 3 Zohner brothers, Fred, Ed and Carl, of Graham county.

These 3 men are top-notch farmers, working together on most of their projects. All have hobbies to make life more interesting and enjoyable.

In their farming operations, the men follow a stubble-mulch system that leaves all residue on or near the surface. This is combined with summer fallowing to conserve all the moisture possible. Right now they are experimenting with the new Graham-Hoeme plow, which is supposed to conserve moisture.

This plow comes in various widths, but consists of a series of chisels in staggered rows with chisels one foot apart. This plow stirs the ground to a depth of 6 to 8 inches, opening the top so moisture can penetrate, but does not turn the topsoil over. A field usually is prepared in 2 operations, the second plowing being across the original at right angles. It is claimed that topsoil prepared in this manner will absorb a 2½-inch rain without runoff.

All 3 men have fine, modern homes surrounded with trees. Carl has a small orchard planted on the contour, in addition to ornamental and wind-break trees.

One of the most complete farm workshops we have seen is shared by the brothers, who do all their machinery repair.

But their greatest enjoyment comes from their hobbies. All 3 are amateur photographers. A well-equipped dark room has been built in the basement of the Ed Zohner home. They made all the equipment in it, including an enlarger that has features not found in manufactured models. Thru their interest in photography they pass many a winter day and countless evenings. And as a result they have albums of valuable pictures of farm life and farm operations over a long period.

In addition to photography, Ed Zohner is an expert gunsmith. He designed and built a beautiful gun cabinet that holds a collection of 25 guns. Additional guns are to be found all over the house.

This work requires the greatest possible skill and has brought Mr. Zohner in contact with interesting persons

over a wide area thru mutual interest in guns.

Mr. Zohner takes several technical magazines on gun building and repair but learned most of it from his father. Before his death, the elder Mr. Zohner did the metal scroll work on the guns built or remodeled by Ed.

Building and repairing guns requires an unusual number of precision tools, many of which cannot be bought and all of which would be expensive if available. Mr. Zohner doesn't even try to buy them. Whenever he needs a new tool or die he makes it. "It takes longer to make the tools than to do the work with them," he says. One of his hobbies in this line is making tiny monkey wrenches that can be used for watch fobs. They actually work altho less than 2 inches long. These are given away to friends.

During the last few years Mr. Zohner has become interested in clocks. One of the jobs he is working on now is restoring an old grandfather clock, including major repairs to the works of the clock. Another project is rebuilding a clock that has all wooden works. In both jobs he has to design the tools and make new sprocket wheels, metal wheels in one case and wooden wheels in the other.

Whether it is guns or clocks, Mr. Zohner has developed his skill to a point where he can start from the beginning and completely build either a gun or clock.

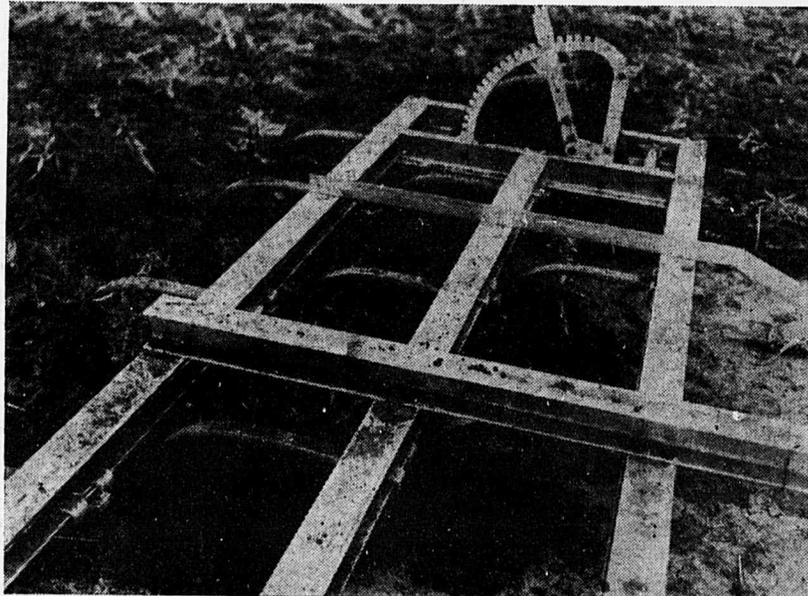
For instance, he recently designed and made a pistol of unusual precision. The barrel was turned down from a rifle barrel. All other parts, both metal and wood, were designed and made by Mr. Zohner.

With their completely equipped machine shop, their dark room and basement workrooms, these 3 brothers never have a dull moment.

Import Linseed Oil

Under an agreement with the Argentine government, the Commodity Credit Corporation will purchase 40,000 tons of linseed oil, to be shipped to this country during the next 4 months.

The oil will go to American crushers for production of linoleum, paints, varnishes, and other commodities.

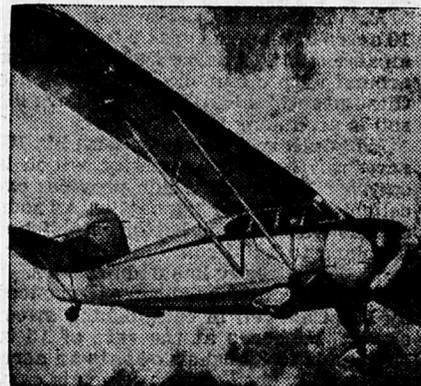


A close-up of the new Graham-Hoeme plow, used by Zohner brothers, Graham county, in their stubble-mulch type of farming. Note how crop residue is left on the surface.

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for 1947



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Oldsmobile & Pontiac	1935-46 6 cyl.	\$35.00
	1935-46 8 cyl.	\$40.00
Willys	1935-46	\$22.50
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	1937-40	\$5.45
Packard	1935-46	\$7.50
	1933-46	\$7.50
Studebaker	1935-46	\$7.50
	1933-46	\$7.50
Ford and Mercury	1928-31 A	\$4.45 Exch.
	1932-46 Bushing	\$4.45 Exch.
Buick	1934-38	\$6.50
	1934-46	\$6.50
Chrysler	1934-46	\$6.50
	1933-46	\$6.50
Dodge	1933-46	\$6.50
	1935-46	\$6.50
Ford Truck	1935-46	\$6.50
	1935-46	\$6.50
Hudson	1935-46	\$6.50
	1935-46	\$6.50
Terraplane	1935-46	\$6.50
	1933-46	\$6.50
Oldsmobile	1933-46	\$6.50
	1933-46	\$6.50
Plymouth	1933-46	\$6.50
	1939-46	\$6.50
Studebaker	1939-46	\$6.50
	1939-46	\$6.50

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Haste May Not Pay

By MERTON EARL

A YEAR ago, the story was told in Kansas Farmer of saving 150 lives in Kansas thru the Kansas Farm Accident Prevention program. The estimate was based on a comparison of averages of the fatalities resulting from farm accidents before and after the state's prevention program got under way.

The death totals are taken from the statistical studies made by the Kansas State Board of Health since 1930. For the first 7 years, our average annual loss from farm accidents was 100 persons. Then, as farm-safety work got under way in Kansas, the average annual loss was 85 persons over a 10-year period. Now we are adding another year to the record and it is a good year. During 1946 there were 76 fatalities resulting from farm-work accidents.

This reduction is not, in itself, "an accident." A lot of work by persons interested in the welfare of the farmer, and a lot of co-operation on the part of farmers have achieved this record.

A brief analysis of the record for last year will be of interest to farm folks who wish to better acquaint themselves with the hazards of their industry. Of the 76 fatalities, 27, or more than one third involved agricultural machinery. Twelve persons died as a result of injury by animals and 11 deaths were caused by vehicular accidents. There were 8 fatalities from falls and 7 from being struck by lightning. Falling trees killed 3, burns accounted for 2, and absorption of poisonous gas took 2 lives. One death each was attributed to drowning, injury by cutting instruments, electricity and excessive heating.

Don't Take a Chance

A glance at these figures will quickly convince you that the proper use of farm machinery will be the most important step in avoiding serious accidents. There is no point in calling attention here to the proper methods of using machinery because these are well known to established farmers. Rare indeed is the successful farmer who does not know when he is taking an unnecessary chance.

Just as in other forms of industry, many of these fatal errors have resulted from haste. This is particularly true at harvest time when the farmer is straining every muscle to reap the results from his year's efforts before the weather destroys them. Some specific types of haste accidents, particularly with tractors, include burns from refueling tractors with the engine operating, injuries by turning too sharply and overturning, injuries resulting from catching clothing in power-take-offs because time was not taken to replace guards, and many more all too familiar to farmers.

It is heartening to know the progress made. This reduction is not sufficient to warrant calling the problem solved, but it certainly justifies the efforts which have been expended for farm accident prevention. It might be said that these efforts have been 15 per cent successful and there still remains the job of saving the lives of 85 persons each year.

This job of saving lives thru the prevention of farm accidents presents problems not encountered in other types of accident prevention work. Legislation such as is used in preventing motor vehicle accidents is of no value in preventing farm accidents because laws could not be obtained and if obtained could not be enforced. Educational procedures used in organized industries are difficult to use because farms are, for the most part, individually owned businesses; and there are no central points thru which to reach all farmers.

Big Job Ahead

Therefore, there remain only the farm organizations and farm publications to do this job. Up to this point, they have done a good job. But how good a job they can do in the future to achieve a greater saving of lives thru prevention of farm-work accidents remains to be seen.

The first major step in prevention of farm-work accidents is to bring to the attention of farmers the proved hazards of this industry. This requires some ingenuity because farmers, just like everyone else, are not entranced by reading a lot of statistics. One method which has been used in



Riding for a fall and possible death is demonstrated here by Jimmy Hoover, Geary county 4-H Club youth. Standing on the drawbar or riding "extra" on the fender in front of any farm implement is dangerous. Bernard Hoover is the tractor driver.

recent years to focus attention upon the problem of farm-work accidents has been the annual proclamation issued by the President of the United States. President Truman recently proclaimed the week of July 20 to be National Farm Safety Week this year.

Using the President's proclamation as a starting point, the National Safety Council stimulates farm-accident prevention programs in each of the 48 states where local co-operation can be obtained. It is not at all difficult for the council to obtain this co-operation in Kansas.

In the first place, Kansas was the birthplace of farm accident prevention activity. J. C. Mohler, secretary of the Kansas State Board of Agriculture, who has been identified with that department for more than 50 years and who has a long list of "firsts" to his credit, was the first man in the United States to see the possibilities of a practical program for farm accident prevention. When Dr. Earle G. Brown, the secretary of the Kansas State Board of Health, showed Mr. Mohler in 1935 the toll that farm accidents were taking each year, he determined that something could be done to conserve farm lives and property. He interested others in the project, and as a result "something is being done" thru the United States and in several foreign countries.

In the second place, the director of the Farm Safety Division of the National Safety Council is M. H. Coe, a Kansas man who is known thruout the state for his work when he was state leader of 4-H Clubs, and who was identified with the first Kansas Farm Safety program.

A major portion of the Kansas program is included in the work of the 4-H Clubs. With the Kansas Safety Council as sponsor, Mr. Coe inaugurated a Farm Safety Contest which



Pitchforks and other dangerous farm equipment should be hung up in a special place out of the way. Here, Philip Rohrer, Geary county, is eliminating another cause of accidents.



She can laugh about it now, but the first time she fell thru a wicker bottom chair was not so funny, says Eleanor Orlowski, of Cowley county. Eleanor is a member of the Burden 4-H Club, which has been featuring health and accident prevention work.

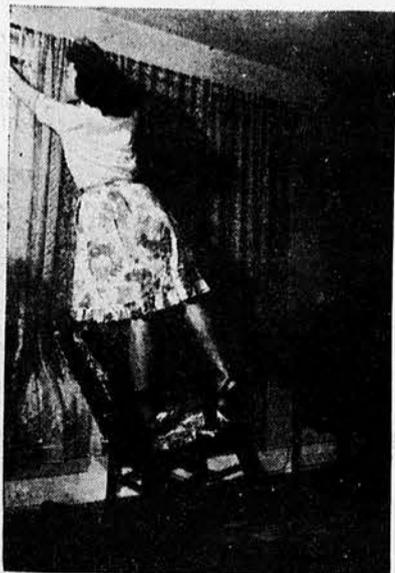
later set a pattern for a National 4-H Club Farm Safety Contest.

Kansas Farmer Magazine was invited to take an active part in this contest and offers two of the prizes each year which are given to the boy and girl state winners. Readers of the Kansas Farmer will recall the accounts of the winners of this contest which are printed each fall, usually in October.

Another phase of the Kansas program is that of farm home accident prevention carried on by the home demonstration agents under the direction of Georgiana Smurthwaite, state home demonstration leader at Kansas State College, Manhattan. Because much of the farm activity centers around the farm home, it is essential that the farm homemaker be enlisted in this cause. A farmer can be injured as quickly by a skidding rug in his home as he can be by being bucked off the seat of his tractor.

Each of the home demonstration agents who work with farm women thruout the state have home accident prevention as one of their projects. Certain individuals associated with safety work in Kansas who, for reasons of personal peace and comfort, wish to remain unnamed, have expressed the opinion that farmers are as quick to appreciate the worth of accident prevention procedure as are their wives.

This brief review of farm safety in Kansas is printed with one major purpose in mind. National Farm Safety week starts July 20, but on many Kansas farms, every week is Farm Safety Week. So, to keep healthy and become wealthy, take time to be safe.

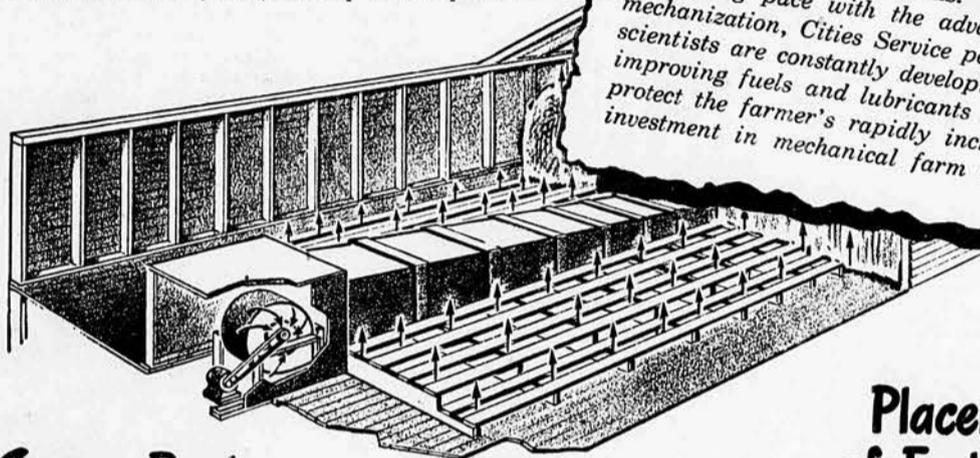


Falls lead the list in home accidents, and standing on a rocking chair while putting up curtains is an excellent way to have a bad fall. Shown here, demonstrating how not to hang curtains, is Eleanor Orlowski, of Cowley county. In 1941, out of 31,500 deaths due to home accidents, 15,750 of them were caused by falls, 5,800 by burns, 1,550 by poisoning, 1,450 by careless use of firearms, and 6,950 by miscellaneous hazards.

THE MODERN FARMER

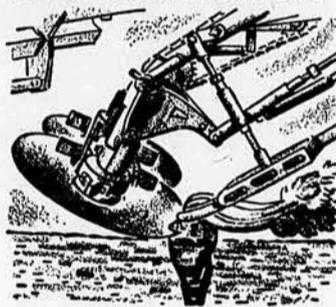
Slatted-floor Hay Drier

Many changes are now being made in hay harvesting methods. One of the new procedures is partial field curing with finishing in the barn, by forcing air... either heated or unheated... through the hay with an electric blower. A recent advancement is the slatted-floor type of mow hay finisher pictured here. It gives more uniform air distribution through the hay than does the conventional duct system, and requires less power.



THE TREND in mechanization is now extending to many specialized crops as engineers endeavor to shift the burdens from the back of the worker to the machine. Agricultural colleges and the Dept. of Agriculture are making major contributions to improve the processing of farm crops, storage, and marketing. Applications of electrical energy resulting from research likewise are bringing about revolutionary changes on farms. Keeping pace with the advances in mechanization, Cities Service petroleum scientists are constantly developing and improving fuels and lubricants to help protect the farmer's rapidly increasing investment in mechanical farm hands.

Sugar Beet Mechanization

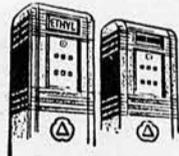


Mechanization of the sugar beet crop has advanced rapidly the last few years. The driven-disk topper with finder (shown in the sketch) and continuous-belt sorting table were both incorporated into harvesters during 1946. Recent improvements have also made possible up to 60 percent savings of thinning and hoeing time

on this crop. A single-germ seed planter devised a few years ago is now used for 80 to 90 percent of the commercial acreage... and cuts the amount of seed used per acre. Write the U.S.D.A. for full details.

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Protect your new equipment against rust and corrosion with exclusive Cities Service Anti-Corrodes. Spray or brush on. Anti-Corrode inexpensively protects metal, indoors or out, up to six months. Get it from your Cities Service Farm Representative.



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Placement of Fertilizer



Where should the farmer place his fertilizers for greatest returns? Agricultural Engineers of U.S.D.A. have conducted almost 700 experiments with 37 crops in 25 States to find the answer to this question. On the majority of crops the tests show that fertilizers in moderate amounts are usually most effective when placed in a band at either one or both sides of the row, relatively near the seed or plant roots, as illustrated. As a result, manufacturers have made numerous improvements in fertilizer distribution machines and attachments. Ask your State Experiment Station for details.

ate amounts are usually most effective when placed in a band at either one or both sides of the row, relatively near the seed or plant roots, as illustrated. As a result, manufacturers have made numerous improvements in fertilizer distribution machines and attachments. Ask your State Experiment Station for details.

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3 farm People injured every minute

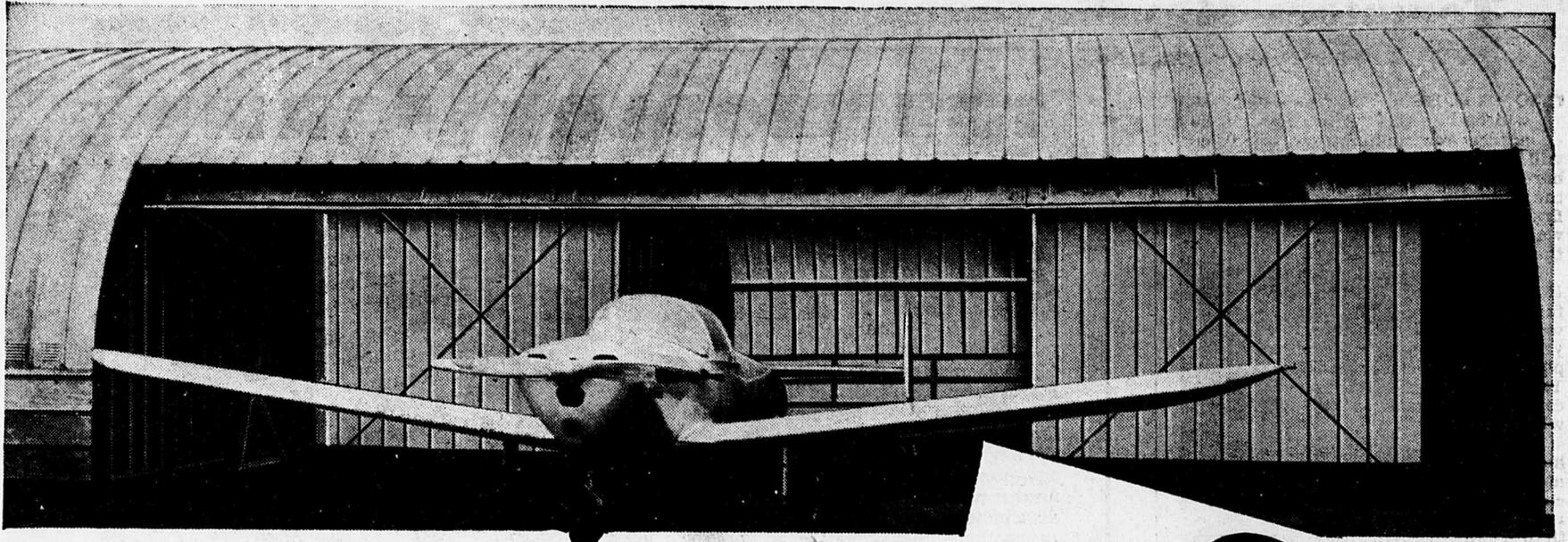
That's the farm accident average recorded in the last prewar survey. You and your family may suffer if you don't TAKE CARE.

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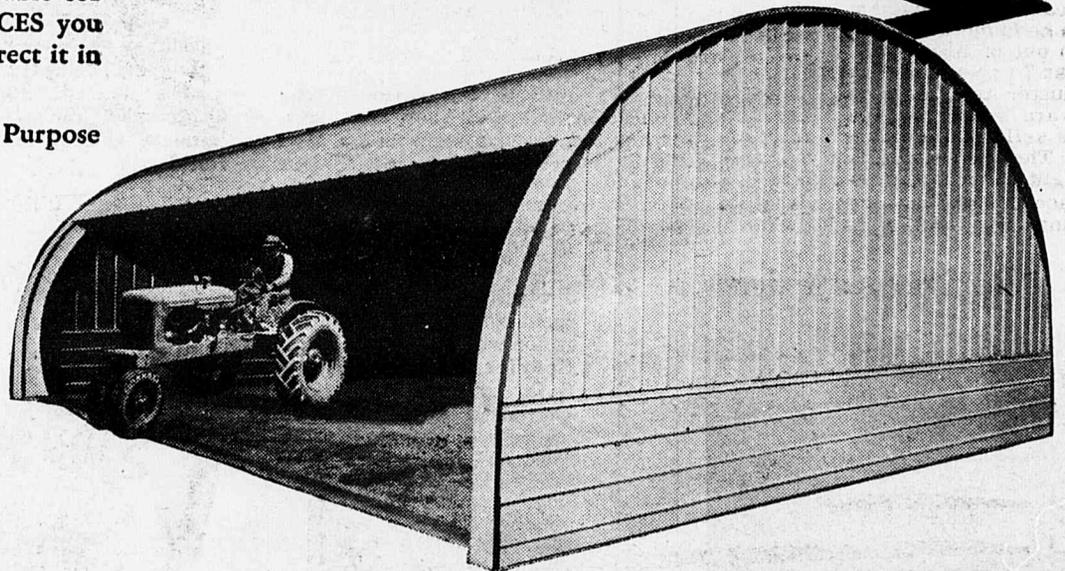
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Tomatoes May Be Scarce

By JAMES SENTER BRAZELTON

TOMATOES in Northeast Kansas will be late this year. They will be scarce and undoubtedly the price will be high. Plants are usually set out here around the first of May, but it was the middle of May this year before the first ones were set. This unusual delay was due principally to late arrival of the plants from the South.

Most of the plants grown in this section are shipped in and come from plant farms in Georgia or Texas. Adverse weather conditions in those places this year resulted in slow growth and the plants did not mature as early as usual. Then, too, large contract orders for canneries in the East were filled first while we had to wait.

By the time the plants finally arrived here the rainy season was on. Many newly set plants, whipped about by the cold winds, were destroyed. From all reports cutworm damage was worse than usual this year. They always are bad when we have a long stretch of damp and rainy weather. A large percent of the tomatoes produced in this area are grown on bottom lands. In many cases these plantings were ruined by the recent floods. This, more than any other one thing, will cut down the total yield here this year.

For many years virtually all commercial growers here have staked their tomatoes. But pruning and tying the vines to stakes is an expensive practice, especially since the cost of labor has increased so much. With the idea of cutting down overhead many growers this year are mulching their vines. One of the principal reasons for staking tomatoes is to keep the ripening fruit off the ground. With a good mulch applied 4 to 6 inches thick the same thing is accomplished with much less expense.

Will Smother Weeds

Mulch will help hold the moisture in the ground, and it will smother out the weeds so no more hoeing and cultivating will be needed. Mulch should be applied while the plants are still upright and before they get "sprawly." The straw or grass can then be scattered close to the plants before they start to bend over. It is best to have all the weeds cut out before the mulch is applied.

Blossoms on the first cluster that forms generally do not set fruit well. By spraying these first blossoms with one of the new hormone sprays in many cases every blossom in the cluster can be induced to make a good, big tomato out of itself. We have had as many as 7 or 8 tomatoes ripen on this first cluster and this is quite unusual. There are several of these hormone sprays selling under various trade names. The one we used last year may be bought at most any seed store.

On account of unfavorable weather conditions we have not had a chance

to use a hormone spray this season. Consequently very few of the first-cluster blossoms have set fruit. If this condition is general thruout the district it is another factor that will cut down the total yield this year. Another advantage in the use of a hormone spray on the blossoms is that the fruit developing from them has but few seeds and in many cases not any.

All the growers in these parts raise virtually the same varieties. The old standbys are Rutgers and Marglobe. The principal reason for the popularity of these two varieties is that they are both wilt-resistant which is quite an important item in a commercial planting.

Wathena, Blair and Troy are all important shipping centers for tomatoes. There are commercial buyers at each of these points to whom growers sell their product. Tomatoes are picked in the pink stage and are packed in 12-quart baskets which hold 3 layers of tomatoes, the top layer generally being wrapped with paper. Of recent years some of the buyers have made a lug-box pack. In some respects this pack is preferred over the baskets. They load better into cars and trucks, and the time may come when this kind of pack is used exclusively.

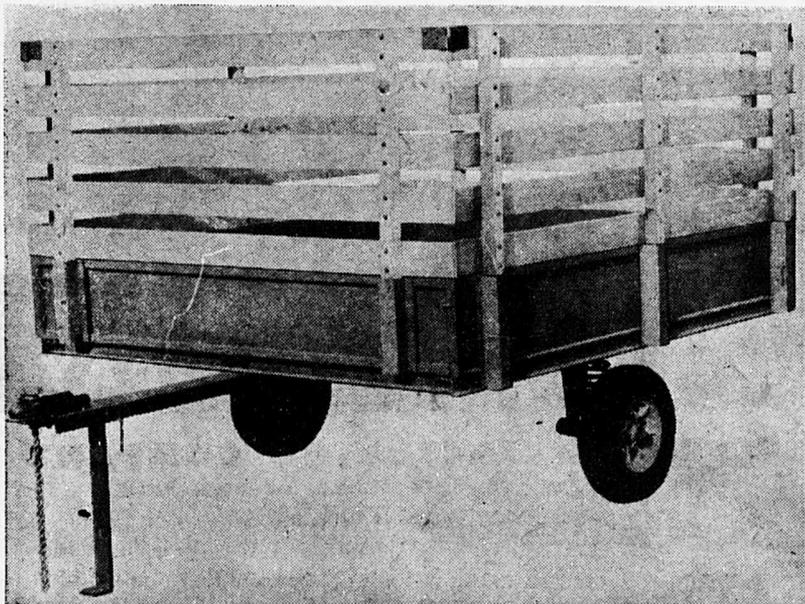
A Valuable Bulletin

"Tomato Production in Kansas" is the title of a recent bulletin prepared by S. W. Decker and W. G. Amstein, and may be obtained free from your county extension agent or by writing to the Agricultural Experiment Station, Manhattan, and asking for bulletin No. 313. To anyone going into tomato production for the first time this bulletin would be quite valuable. It tells all about planting distances and how to set the plants to make them live. Staking, pruning and tying tomatoes is explained so anyone can do it.

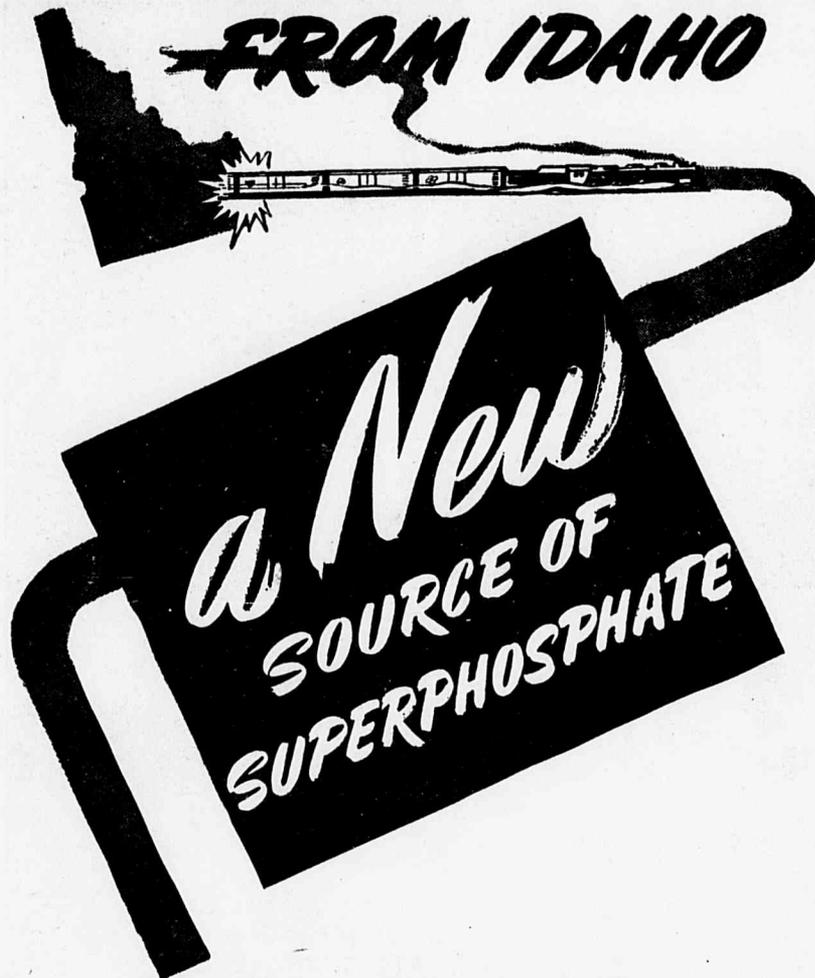
The bulletin gives practical information on use of nitrogenous and phosphate fertilizers. It discusses soils adapted to tomato production and tells how to properly prepare the soil to receive the plants. Using this bulletin one cannot go wrong in the matter of selecting varieties. A full descriptive list is given for Eastern Kansas and for Central and Western Kansas.

For anyone going into commercial tomato production who has had no previous experience there is another important bulletin available. This is called, "Preparation of Fresh Tomatoes for Market" and is farmers' bulletin No. 1291 published by U. S. D. A. To me the outstanding feature in this publication is the detailed plan of a sorting and packing bin. We followed this plan in making one of ours 2 years ago and made it so it can easily be taken down and stored from one season to the other.

Ready for a Big Job



The Stahmer Farm Equipment Company announces an addition—the Stahmer Trailer. Built around modern developed principles, it offers the latest in construction features and conveniences. Completely welded and of all steel construction, it is wide and long. Double endgates with extendable tongue permit carrying loads such as lumber. Each wheel operates separately so there is no obstruction between wheels, allowing a full 19-inch clearance from ground to the trailer frame. The trailer weighs 424 pounds and holds a load capacity of 900 pounds. This can be easily doubled by adding 2 more wheels.



Here's a NEW source of superphosphate for western lands — the Simplot Fertilizer Co. of Pocatello, Idaho — in the heart of America's greatest phosphate reserves. A western enterprise, opening new horizons for agriculture!



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Ask your Simplot dealer for information on profitable fertilizing this Fall!



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CHAMPLIN HI-V-I (High Viscosity Index) AVIATION OIL is QUALITY PLUS. HI-V-I is built to withstand Pressures and Friction . . . to resist heat . . . to lubricate and protect metal surfaces of the motor in your Tractor, Truck or Car.

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There is a friendly Champlin Dealer in your community . . . he will gladly help you with your Lubrication Problems.



CHAMPLIN REFINING COMPANY
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Producers, Refiners, Distributors of Quality Petroleum Products Since 1916

Until Dinner Is Ready

Fireproof Towel

A new dish towel, containing 20 per cent asbestos, has been introduced. It is said to wipe dishes "faster and dryer." is made in 6 colors—red, green, yellow, rose, blue and burgundy. Asbestos, a mineral mined somewhat like iron ore, most of it imported from Canada and Africa, polishes dishes well.

Busy Combines

Voluntary crop reporters in all states estimate 62 per cent of the 125 million acres of small grain in U. S. are harvested with combines. Oregon, Washington, California and Kansas use combines for 90 per cent or more of their acreages.

Need More Bees

Honey imported to U. S. has trebled so far in 1947 compared with a year ago, with Cuba, Canada and Chile in the lead. Our busy bees better buzz busier.

Hard Workers

Fully 20 billion man-hours were required in 1944 to produce crops, livestock and keep farms in condition, says BAE. Crops took 50 per cent, livestock 35 per cent, farm maintenance 15 per cent. Crops take less work now compared to 1938 and before, due to tractors and power equipment. Pardon us, but BAE didn't say how many woman-hours it took to keep the men on the job. Or to keep the home operating smoothly.

Uncle Sam Helps

The June report on foot-and-mouth-disease control in Mexico states that cattle owners down there were paid, by Uncle Sam, \$586,291 on 11,878 head of bovines destroyed by the "sanitary rifle." In May the figures were 67,183 cattle disposed of and \$3,313,272 paid. The U. S. has about 160 workers in Mexico now, and 130 carlots of equipment have been sent over the border in the campaign.

Good "Indians"

The National Potato-Breeding Program (Federal-State) has brought out new varieties of potatoes—most of them given Indian names—that appar-

ently resist disease. Katahdin and Chippewa solved the net necrosis disease problem in Maine. Sebago helped solve late blight and brown spot in Florida, yellow-dwarf disease in New York and Wisconsin, helps keep down scab in Iowa. Sequoia reduced leaf-hopper damage in North Carolina. Menominee, Ontario, Seneca and Cayuga are valuable where late varieties are grown, and where scab is the limiting factor with older varieties.

Fruit by Air

This summer many of the avocados on the U. S. market will come by airplane from Cuba. These enter duty-free from June to September, when the California and Florida supplies are light. Last year about a million pounds—one fifth of the Cuban crop—were flown from Havana to Miami. Airplanes open up a wide market for all the world's products.

No License

Only one state now is without a driver's license law. That is South Dakota, according to Highway High-lights.

Long Service

Uncle Sam says the Post Office needs to replace its ancient fleet of trucks. Congress appropriated funds for some 1,600 to 2,000 new ones, so the old-timers will be scrapped. Some of these 10,000 vehicles date from 1915.

Trucks Do Everything

A train needed in filming a motion picture recently was hauled 40 miles to the California location by truck. It weighed 45 tons. Quite a truckload.

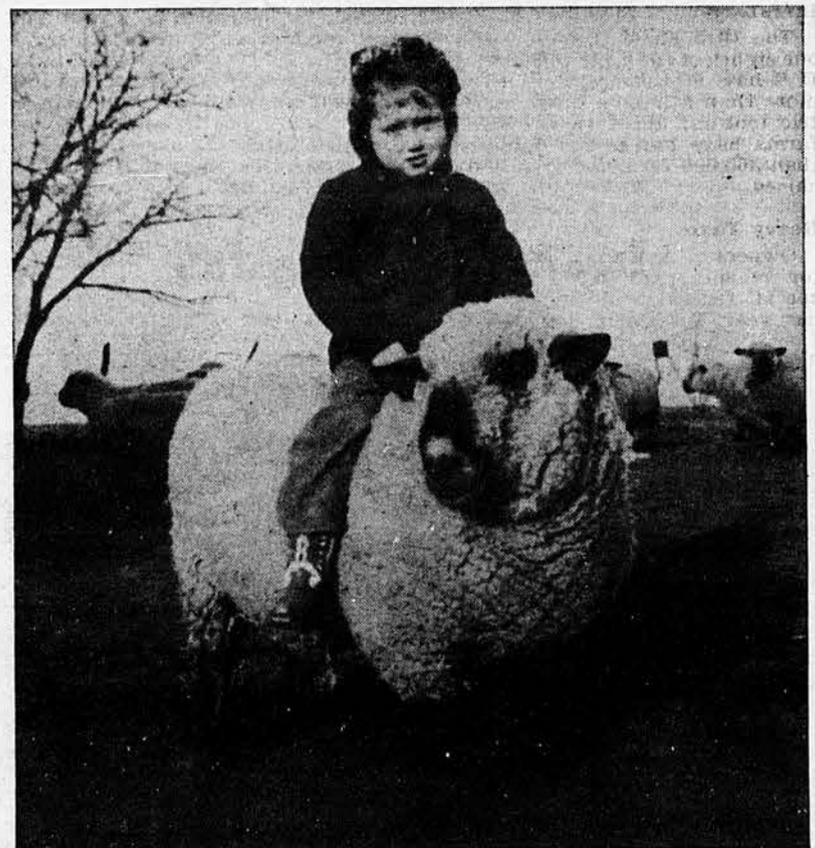
Plenty of Wool

U. S. D. A. says world wool production in 1947 will be 3,670,000,000 pounds, or 7 per cent under the 1936-40 yearly average. Peak of all time was in 1941 with 4,200,000,000 pounds. The report says wool stocks are very large at present.

Mosquito Bait

White and yellow are the colors to wear in mosquito-ridden regions. Black, blue and red are the colors to

Two Real Champions



ROCHELLE, 4, seated on a Hampshire ram, owned by Waldo Poovey, an uncle. Rochelle is the daughter of Mr. and Mrs. Louis Poovey, Sumner county.

The ram's name is O. A. M. C. 2231. His registration number is 182448. He was bred by the Oklahoma A. & M. College, was the grand champion Hampshire ram at the Fort Worth

stock show in 1945. He won his class at Hutchinson in 1945 and also in 1946. He has never been defeated in his class at any state or county fair where he has been shown. Around the farm, the ram is called "Bill."

Waldo Poovey has a flock of around 40 registered Hampshire sheep which is probably one of the nicest flocks in Kansas.

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

avoid. That is the report of U. S. D. A. entomologists. In tests in Oregon, men wearing shirts of black, blue, green, red, tan, yellow and white acted as bait for mosquitoes while the entomologists counted and checked. Black shirts attracted the most mosquitoes, and white the least. In one-half minute count, 1,499 mosquitoes of one species alone were counted on black shirts and only 520 on white. In the same tests blue shirts attracted 1,334 mosquitoes; red 1,331, and yellow 623. The pests do not distinguish color, it is said, but they are affected by the amount of light each color reflects. One in the room at night can cause a lot of lost sleep.

Quack-Grass Control

U. S. D. A. tests made with IPC, the British weed-control chemical, show it has been effective in quack-grass control at Beltsville, Md., Uncle Sam's experiment station.

Need More Fats

More animal fats are being produced this year than last. Compared with a year ago, May butter output was up 25 per cent, lard about 35 per cent and inedible tallow more than 20 per cent. But reserve stocks of fats and oils are still far below normal pre-war levels.

Low on Meats

About 59 million pounds less meat was in storage on June 1 than a month earlier. All meat items were below average. Beef, which for some months was above normal, dropped to 11 million pounds below normal by June 1.

Better Potatoes

Potato experts believe careful breeding will create varieties with resistance to important diseases, combined with other good qualities. Some of these other qualities are right time of maturity, good shape, adaptation to a locality, shallow eyes, high yield and good cooking qualities.

Big Coal Pile

Bituminous coal reserves are adequate for more than 1,000 years, and our anthracite coal reserves for more than 175 years, says the Twentieth Century Fund survey.

Grapefruit Champion

If you eat grapefruit you may like to know that 23 per cent of the nation's 10,635,582 grapefruit trees are in Hidalgo county, Texas, leading U. S. county in this fruit. Polk county, Florida, is second.

Inventory

The 1945 Farm Census shows that one eighth of the 5,859,169 farms in the U. S. have stationary gasoline engines; more than a million farms have electric motors; about two thirds of all farms have horses and mules; more than 365,000 farms have milking machines.

Heavy Taxes

Owners of America's 34 million motor vehicles paid \$5,000 a minute in special federal, state and local taxes last year. Total motorist taxes hit an

all-time high of \$2,507,000,000. Uncle Sam took \$796,000,000 with excise levies on purchases of new cars and trucks, gasoline and oil, tires and tubes, parts and accessories. Already 16 per cent higher than the peak in 1941, the total annual tax levy against the motoring public is due for sizable increases this year. A car is essential to a farmer's business. At least 67 per cent of the miles he drives is on business trips.

Be Careful

Drivers with one or more years' experience were responsible for 97.5 per cent of the fatal accidents in 1946. Drivers with 3 to 6 months' experience were involved in only 0.4 per cent of fatal crashes. Don't let familiarity breed carelessness.

Bad Driving

During 1946, about 85 per cent of all fatal highway accidents occurred under clear-weather conditions. Bad weather—rain, snow, ice, fog—apparently cause folks to be more careful.

Slow Down

Radar may catch you if you don't slow down when driving your car. Connecticut state police are attempting to enlist this war-proved weapon in the drive against auto speeders, says Highway Highlights. Patrols are being trained to use electromatic speed meters which transmit constant wave signals. These bounce back off moving autos. A shift in wave length proportional to the speed of the car can be measured and translated into miles per hour.

Third in Line

Yearly cash receipts from poultry and eggs, plus value of these products used on the farm, in the U. S. now total 3 billion dollars. This represents about 13 per cent of the total of all farm marketings. Poultry income stands third, exceeded only by dairy products and by cattle and calves.

Alfalfa Champions

Imperial county, California, is the leading alfalfa-growing county in the U. S. with 153,276 acres, says the 1945 Census of Agriculture. Maricopa county, Arizona, is second with 110,499 acres. Third is Weld county, Colorado, with 100,100 acres.

Big Improvement

Once upon a time—about 1900—there were 175 different-size electric-light sockets used in homes. Now one size does the job, except in special reading lamps.

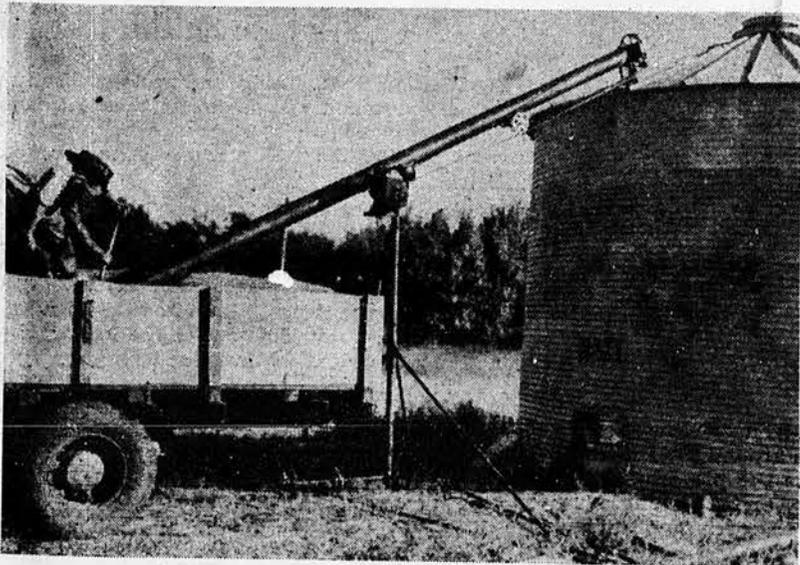
First Train

The first railroad in the U. S. was opened for business in 1830.

Little Business

Back in 1800 there were only 335 profit-earning corporations in the U. S. Turnpike, bridge and canal companies made up two thirds of this total. Banks and insurance companies made up most of the other one third. Manufacturing was represented by only 6 companies.

Can Do Double Duty



The Baldwin Iron Works, Whitney, Neb., announces the Baldwin spiral grain loader, a portable outfit powered by either a gas or electric motor. It will move from 8 to 12 bushels of grain a minute, and can be equipped with a seed-treating tank that will treat seed as it goes thru the tube.

COROAIRE

A REMARKABLE *New* INVENTION!

Coroaire is ready for YOU—Specially designed to heat one-floor homes—Beautifully finished in grained walnut, dual-insulated steel—High power slow speed propeller type fan—Adjustable, revolving grille—Indestructible filter. Coroaire gives you undreamed of heating efficiency and economy. Cost very little to install and operate.

The Patented Venturi Tube Heat Exchanger

Only Coroaire gives you this triumph of heating engineering. Amazing though true, it has heat radiating surface equal to 92½ sq. feet.

Coroaire is equally efficient with natural gas, butane, or propane gas. Contact your dealer for immediate installation before the busy cold weather season.

These dealers will show you the new Coroaire:

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| Anthony | Lovelady Hdwe. Co. |
| Augusta | Bartholomew Furn. Co. |
| Beloit | H. & S. Hardware Co. |
| Bucklin | Mallory Appliance Co. |
| Buhler | Kim, Elliott and Gard |
| Burden | Komarek Appliance Co. |
| Bushton | W. E. Appel Co. |
| Chapman | Edw. J. Lorson & Sons |
| Cheney | Dennett Equipment Co. |
| Cimarron | Walker Sales Co. |
| Concordia | Fitzgerald Hdwe. Co. |
| Cottonwood Falls | DeWitt Radio |
| Cunningham | Dafforn Motor Co. |
| Deerfield | Santa Fe Motor Co. |
| Dodge City | Lippoldt Appl. Co. |
| Downs | Myers Appliance Co. |
| Ellinwood | Weber & Cook Furn. Co. |
| Ellsworth | Toman's Super Serv. |
| Eureka | Worrell-Levieux |
| Garden City | Garnand Furn. Co. |
| Great Bend | Walter Sears Store |
| Harper | Carr Radio Service |
| Hays | Wiesner's Appl. Store |
| Hutchinson | Crook Furn. Exchange |
| Hutchinson | Decker & Mattison |
| Hutchinson | Dix Petroleum Co. |
| Jewell | Henninger Htg. & Plbg. |
| Johnson | Golden Rule Garage |
| Kingman | Coleman Gas Service Co. |
| Kiowa | Ikerd Furniture Store |
| Lakir | J. C. Hart & Co. |
| Lamont | Sauder Lbr. Co. |
| Larned | A. A. Doerr Mere. Co. |
| Lenora | Jamison Appl. Store |
| Liberal | Hettie Appliance Co. |
| Lincoln | Lincoln Electric Shop |
| Little River | T. M. Deal Lbr. Co. |
| Lyons | Phillips Furn. Co. |
| McCracken | McCracken Impl. Co. |
| McPherson | Hodge Farm Sup. Co. |
| Macksville | Nonken Equipment Co. |
| Madison | Richter Bros. Furn. Co. |
| Marienthal | Boulware Merc. Co. |
| Marion | Schlotz Radio Serv. |
| Meade | Fletcher Furniture Co. |
| Medicine Lodge | Lloyd Davis & Sons |
| Moline | Eckert's Farm Equip. Co. |
| Moundridge | Krehbiel Hdwe. Co. |
| Ness City | Fitzgerald Furn. Co. |
| Newton | Jenkins Appl. Co. |
| Norwich | H. S. Eshnaur & Sons |
| Osborne | Baker's Sheet Metal Shop |
| Partridge | Hamilton Hdwe. Co. |
| Phillipsburg | Elliott Hdwe. Co. |
| Plains | Home Lbr. & Sup. Co. |
| Plainville | Mosher Bros. Hdwe. |
| Pretty Prairie | Hamilton Hdwe. |
| Quinter | Quinter Appl. Store |
| Salina | Anderson-Swan Furn. Co. |
| Salina | Propane Gas Serv. |
| Scott City | I. & W. Motor Co. |
| Smith Center | Crider Plbg. Co. |
| Stafford | T. M. Deal Lbr. Co. |
| St. John | Coen Electric Co. |
| Syracuse | Mackey Supply Co. |
| Turon | Haven Lumber Co. |
| Ulysses | The Amsden Lumber Co. |
| Utica | Lohoff Lbr. & Feed Co. |
| Washington | Washington Maytag Co. |
| Wellington | Johnson Appl. Co. |
| Wichita | Dix Petroleum Co. |
| Wichita | Keener-Air Co. |
| Wichita | Kellogg Furn. Co. |
| Wichita | Vowel Furn. Co. |
| Winfield | Worden Appliance Co. |
| IN OKLAHOMA | |
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| Wakita | F. C. Wright Hdwe. Co. |

Don't wait for cold weather. Install NOW

Accessories

Dress Up Your Home

By ROSE S. FLOREA

WHAT a new hat, purse and gloves do for you, accessories can do for your home. These interesting objects are so numerous and so different you can choose from a wide variety just the ones that will best suit your rooms.

You may already have many lovely and useful articles which can be used in pleasing arrangements. For when properly selected and tastefully arranged, these attractive objects will give your rooms a final touch of beauty and individuality.

Accessories include many useful as well as ornamental articles. Here is a partial list: Lamps, pottery, vases, bowls, figurines, pictures, wall hangings, books and magazines, cushions, potted and cut flowers, smoking equipment, book ends and trays.

Choose articles that will harmonize with your whole room in color and design. Their size and shape should be suited to the place they occupy. And they need not be costly to be fine in form and color.

An accessory is often useful. But whether or not it is useful it must be beautiful. For an object that does not add to the beauty or comfort of a room has no place in the decorative scheme.

Do not crowd your room with too many accessories or it will have a cluttered look. On the other hand, if too few articles are used the room will lack interest and appear bare.

Accessories will show off to best advantage if they are similar in texture, form and idea to the background and furniture with which they are used. If your furniture is sturdy or Early American, use simple objects. Pottery, brass, spun aluminum, copper, leather and wood articles with natural finish are especially suitable. If you have dark furniture, such as mahogany, objects of rich material, delicate and refined in design, will enhance its beauty. Silver, crystal, fine porcelain, china, damask and brocade are most effective with mahogany furniture.

Fear of overdoing colors has often kept many of us in sober hues. But with accessories you can really indulge the Indian in you. For many articles used are small and can repeat or be in contrast with other colors in the room. What's more, those small objects can be brighter than the areas and other articles around them and thus give sparkle and life to the whole room.

After you have chosen your accessories, arrange them to make your room livable, pleasant, lovely.

Use the same general principles when arranging accessories as when arranging furniture suggests *Madonna Fitzgerald*, experienced home economist. The main things to remember are: Balance, center of interest, and scale.

To obtain a pleasing effect, group shapes and colors around a center so the various objects and surroundings balance in design. This balance may be formal or informal.

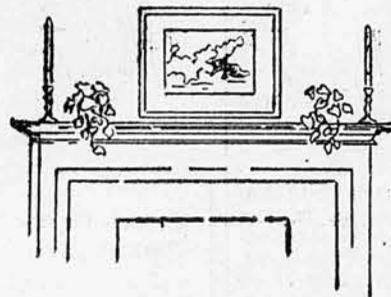
You can obtain a formal balance by putting ex-



The size of the objects used is in keeping with the size of the table and chair.

actly the same forms on each side of the main interest. An informal balance is obtained by arranging different forms on each side of a main interest or center.

Every arrangement has a center of interest. You can create a center of interest by brightness or contrast of color in the article, its pattern, or by its size, line or shape. Group your articles so the



Mantel arrangement showing formal balance.

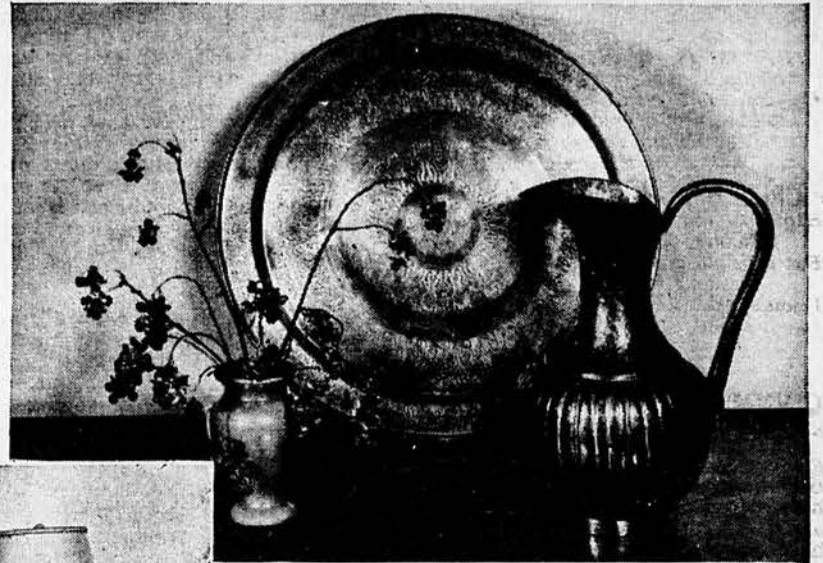
eye is attracted first to the most important thing in the arrangement.

The size of the objects you use should be in pleasing relationship to those in the same group. Also they should not be too small or too large for the space they occupy. Group articles of different sizes together for a pleasing arrangement. Choose some large ones and some small ones; others may be low, tall or broad.

Place decorative articles on furniture of the right size. A large object on a small table does not look secure. And a tiny one is lost on a large surface.

Before you place an article or a group of articles, it will be helpful to take a glance around your rooms to note the pieces of furniture and the choices

Table cover harmonizes with its background and is suited to the shape of the table.



Articles grouped to emphasize the beauty of the tray.

they offer for placing various arrangements.

You may have some or all of these pieces: Tables, piano, mantel, bookshelves, chest, radio, divan.

Any one of these offers you a chance to skillfully display a group of attractive articles.

For a table, place a lamp where it gives the best light for reading. A picture on the wall may help balance a table lamp. Articles often used, or low ones, are kept near the front. The large or seldom used articles are placed at the back of a table.

If you use a table cover, select one whose color and type blend with the wood of the table. Round or square covers are pleasing on round and square



An informal arrangement of accessories.

tables. On an oblong table, use an oblong or oval cover.

If your table has a beautiful finish, it may be more attractive without a cover. Just arrange your articles on the uncovered surface and let the beauty of the wood enrich the setting.

The top of an upright piano is pleasing with no decorative articles on it. However, low objects may be used effectively. Or you may hang a horizontal picture above a low upright piano.

If you are so lucky as to have a fireplace, it can be made the center of interest in a room. You can use a formal balance for a mantel grouping, but informal balance often gives greater charm.

A large picture, mirror or wall hanging may be used in the center of the mantel with small articles added to form a pleasing design. Choose the small articles to harmonize with the size, shape, color and texture of the largest object.

Then there's the divan. Placed in a wide wall space with a large picture, wall hanging or group of pictures back of it, the divan can be the main center of interest for your living room. Gay cushions, colorful magazines, brightly bound books will give you all the hues of the rainbow in pleasing harmony.

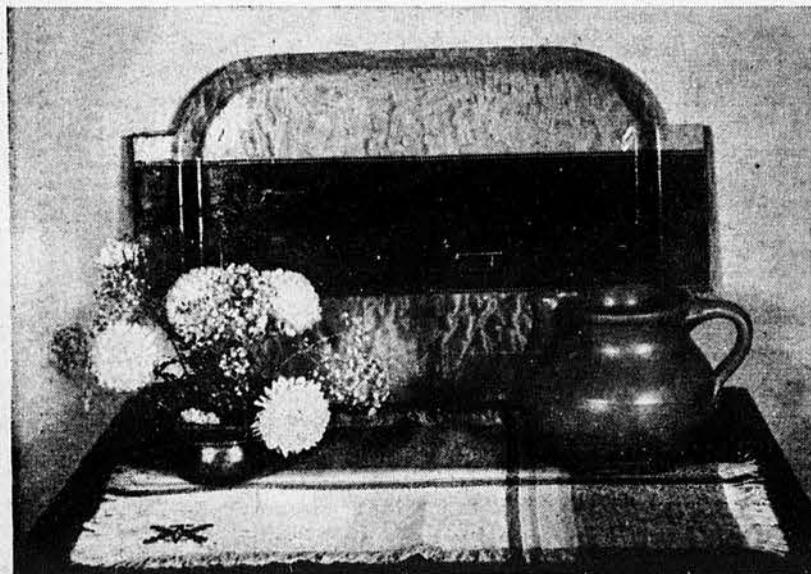
And bookshelves, chests, and radio can be used in much the same way you'd arrange articles on a mantel. If you use a picture or mirror, hang it low enough so it will be a definite part of the group of articles on the top.

Freeze the Fryers

NEW methods of preparation and freezing of fryers make it possible to keep them from 8 to 10 months. They come out of the locker, if all conditions are right as fresh and fine-tasting as when they went in.

Locker experiments show that chickens encased in ice when stored keep so well that the meat loses none of its freshness and flavor. Start with well-fed birds weighing from 2½ to 4 pounds, 10 to 16 weeks old.

As soon as the chickens are dressed they may be cut up as for frying. Cool them quickly and place in 1-quart waxed cartons or cellophane-lined cartons. Then pour over the chicken enough cold water to cover the meat. Freeze immediately and store in the freezer locker.



A Country Woman's Journal

By MARY SCOTT HAIR

"A little tree waves scarlet bells
High-hatting all its neighbors in the
wood,
But a bugle vine has claimed the little
tree. . .
I wish the others knew, and under-
stood."
—Mary Elizabeth Mahnkey

SUMMER is just about my favorite season, but I have one criticism to offer. Seems like the prettiest flowers bloom, the loveliest birds bid me come outdoors, and the fish always bite best on the days when the beans are just right for canning, or there are harvest hands to cook for!

There's too much of summer, too, while it lasts. There are so many, many flowers, birds, butterflies, moths . . . such a variety and abundance of plant and animal life it is almost impossible to do and see all the things one wants to.

Our little country roads are lined with wild flowers. Wild roses, covered with dust, Queen Anne's lace, blue chicory and sweet clover high as my head grow in tangles, and in the early morning where there's dew, the clover fragrance is cool and lingering. If man could only capture the sweet, tangy odor of sweet clover in the dew, what a perfume it would make!

Clumps of Pentstemon or beard-tongue grow high as the fence by our oat field and lift trumpet-shaped blooms for the bees and butterflies. And day lilies, the same kind Johnny Appleseed scattered up and down the Ohio valley when he went about planting apple trees and doing other neighborly deeds, grow in colonies, a few here, several there.

Some anonymous writer left us this flower conversation which I memorized several years ago and have always liked:

"There's beard on your tongue!"
laughed the lily
As she tossed her head with wild grace.
"Laugh all you please!" said Pentstemon
"There's freckles all over your face!"

When you take that hike in the woods or to the old swimming hole, it might be well for you to brush up on that old jingle about plants that are harmful. It goes like this:

"Berries red, have no dread.
Berries white, poisonous sight.
Leaves three, quickly flee!"

Speaking of plants, the jewelweed, or wild touch-me-not, grows quite rank in moist, shady places. And should you forget the jingle and come in contact with poison ivy, the juice from the crushed stems of the jewelweed makes a soothing remedy. Rub it on . . . don't take it!

We see birds everywhere! Birds busy with feeding chores, for many of them have their second nestful of little ones, birds bathing in mud puddles, little birds learning to fly. There are doves in pairs on telephone wires, and I think I've met the same pair of doves, several mornings straight, walking sedately toward me down the middle of the road.

Birds are good neighbors, too, and extend the good-neighbor policy to members outside their own clans . . . for example, the cowbird leaves her eggs in the nests of vireos mostly, and these dainty little birds brood, feed and tend the little bums of birdland, sometimes starving their own young in the process.

Tea Shower for Bride

For a simple entertainment for the bride-to-be, we suggest a tea shower which may be simple or elaborate. Our leaflet on this subject offers suggestions as to entertainment and gifts. Please address Entertainment Editor, Kansas Farmer, Topeka., for a copy of the leaflet. Price 3c.

My honeysuckle vine seems to be a favorite rendezvous for humming-birds. It is a pleasure to watch them as they zoom in and out among the vines, sipping nectar and getting the tiny insects from the blossoms. But I've noticed that these little birds are quite warlike and often put up a stiff fight with much larger birds.

Evenings, in that hour between twilight and darkness, it is fun to watch the chimney swifts as they dart about in the sky, then dive down into the black depths of a chimney. Watching them, I am reminded of something Merton S. Rice wrote in his lovely book, "My Father's World" . . . "The way of a bird in the air is his signature written across the sky."

It is always relaxing to listen to the hum of bees on a warm afternoon. In their busy bee world they carry on work which compares with a factory. Yet the whirl and hum of their myriad wings needs no imagination to interpret. They make me sleepy!

A summer high light is the trip to market the wool. I'm too chicken-hearted to go with a load of lambs or calves, but I always look forward with much eagerness to wool-selling time! While the Mister disposed of his wool

The Only Way

We can have superhighways of the most advanced design, automobiles that are virtually perfect in design and performance. But only safe drivers will provide highway safety.—N. H. C.

I shopped for butcher's linen for a dress, a pair of spectacles with plastic frames and a new broom. I like a medium-size, lightweight broom, and I found such a nice gay one, red trimmed with bright blue. I'm taking extra good care of it so it will last a long time!

Summer days are vacation days, and when our postmaster's family gets the car ready for a trip, I know it's time for me to hang up my kitchen apron on a nail and be a career woman for a few days.

In a small town the daily arrival of the "mail hack" is an important part of the day's activities. At this time of year the day's mail is likely to include boxes of baby chicks and little turkeys. When they stay too long their little voices grow thin and edgy from hunger and I feel that they have worn out their welcome!

The other day 300 little turkeys came in pasteboard boxes, and when the morning dragged by and no one came to claim them, I began making efforts to contact the person who ordered the precious cargo. When he finally came I told him rather bluntly, "They're starved to death. Watch them peck my fingers!" "You needn't worry about a turkey starving," was the reply. "They've stood the trip (from Illinois) very nicely." And so I learn about turkeys in the post office.

Someone has said that men are little boys grown big, and I believe that. In the midst of a busy day at the post office in came 3 big boys with a load of newly purchased baseball suits. Such exclamations of pleasure and admiration! I smiled to myself as I remembered critical remarks these same boys made about the chatter of the weaker sex. But a baseball suit, all new with blue trimmings and letters, does something for a big boy! I hope our local team wins lots of games this summer.

I have five little ducks for pets and it is so much fun to watch them! Maybe a duck doesn't have a philosophy of life. But watching a little duck chase a bug leads me to believe he must have some very decided opinions about life in general. Anyway, he never seems to worry about the bug that got away but just goes right on chasing the next one. I think people can learn a lot from ducks!

PRIZE WINNER TELLS JUDGE HER.

BAKING SECRET

MY WIFE WANTS TO KNOW HOW YOU BAKE SUCH WONDERFUL BREAD



ANYONE CAN DO IT... JUST BE SURE TO USE RED STAR QUICK RISING DRY YEAST

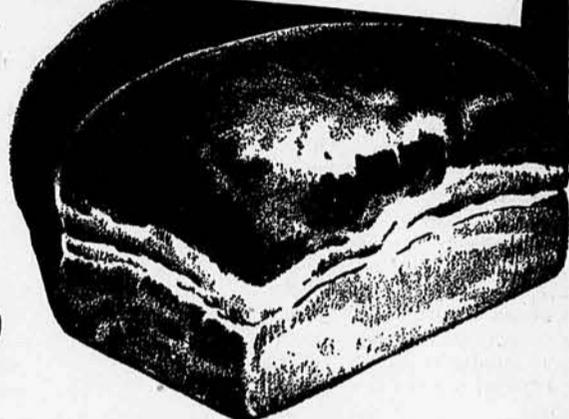
I'LL GET A SUPPLY OF RED STAR TODAY



QUICK METHOD BREAD

3 teaspoons sugar	5 teaspoons salt
1/2 cup warm water	3 1/2 cups lukewarm water
3 pkgs. Red Star Dry Yeast	11 1/2 cups sifted flour
1/2 cup sugar	5 tablespoons shortening

Dissolve 3 teaspoons sugar in 1/4 cup water. Add 3 packages Red Star Dry Yeast. Let stand 10 minutes. Place 1/2 cup sugar, salt and 3 1/4 cups water in a large bowl. Stir yeast solution thoroughly and add to this mixture. Add half the flour and beat well. Add melted and cooled shortening, stirring vigorously. Add remainder of flour, stirring until well mixed. Place dough on lightly floured board and knead 5 to 7 minutes. Shape into smooth ball and place in greased bowl. Brush top lightly with shortening. Cover and let rise in warm place for 45 minutes. Punch dough down; shape into loaves and place in greased pans. Brush tops of loaves lightly with shortening. Cover and let rise in warm place for 45 minutes. Bake in moderately hot oven (400° F.) for 30 minutes. Makes 4 loaves.



KAY ROGERS SAYS: "You, too, can bake prize winning bread and rolls with RED STAR. This wonderful yeast gives extra rise and extra flavor. Try this RED STAR Quick Method bread recipe today."



RED STAR DRY YEAST

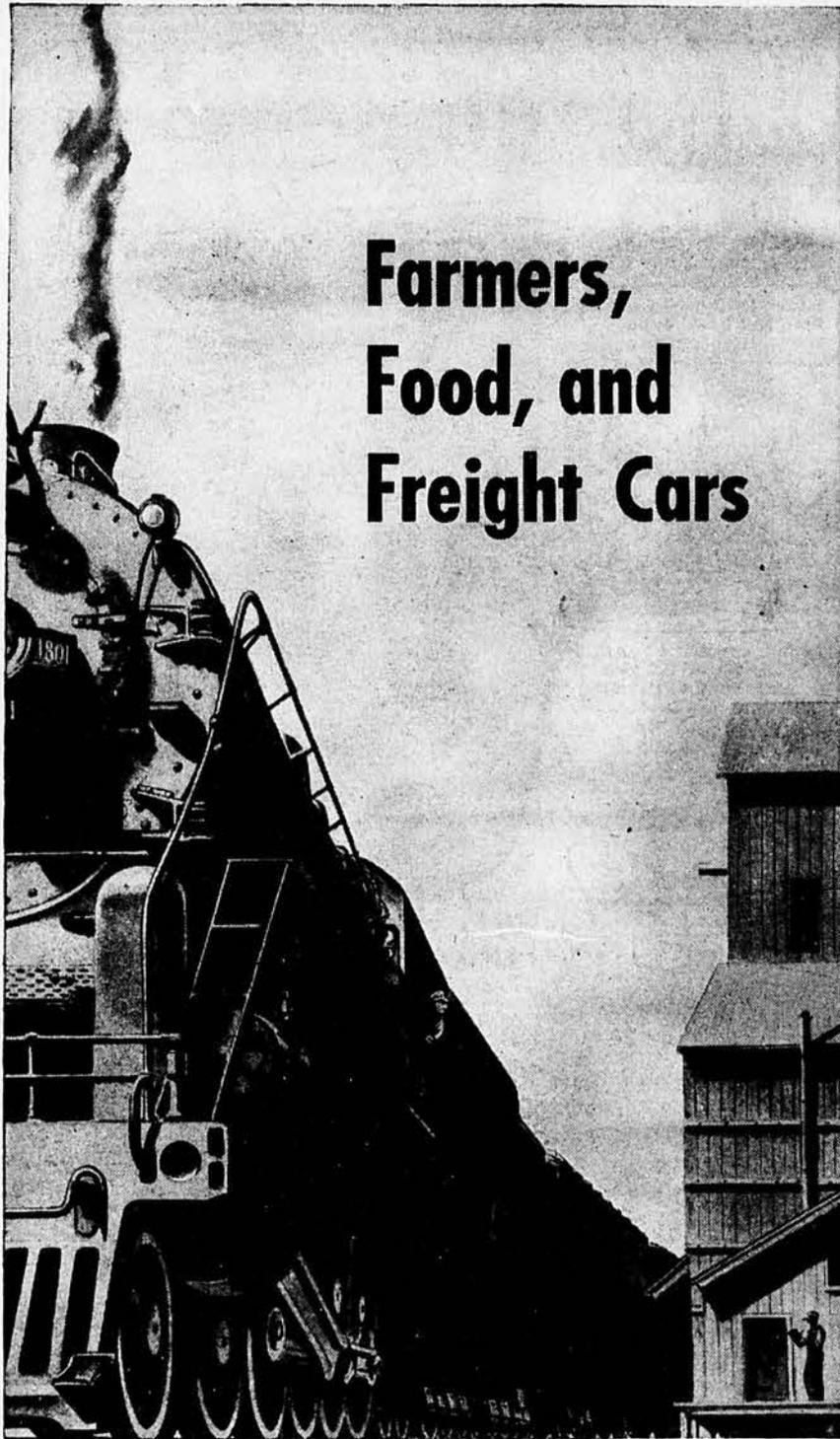
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Today . . . the best way to get more for your travel dollar is to go by GREYHOUND. No other means of transportation offers so much courtesy, convenience and service for so little money. Ask your nearest Overland Greyhound agent about frequent schedules and low fares — then make it a habit to enjoy GREYHOUND travel more often!



OVERLAND GREYHOUND LINES
OPERATED BY INTERSTATE TRANSIT LINES



Farmers, Food, and Freight Cars

A billion bushels of winter wheat alone—besides huge crops of spring wheat and other foodstuffs! That's the American farmers' answer to the challenging needs of America and the world.

And while the farmers have done this tremendous job, the American railroads have been doing *their* part in the work of feeding and supplying the world.

The railroads have carried, so far this year, more grain than ever before in any corresponding period in history. They are hauling more tons of freight more miles than ever before in peacetime. Since V-J Day the railroads have ordered more than 160,000 new freight cars. But not enough of these cars have been delivered, so far, to replace those worn out in wartime service.

More cars are on the way. Until they arrive, however, railroads will do the best they can with what they have and can get. There are bound to be some delays in furnishing all the cars needed to move this year's crops. But the railroads—with the continued help of the shippers—will keep on doing their utmost to speed the products of our farms to the nation, and to a hungry world.

AMERICAN RAILROADS
THE NATION'S BASIC TRANSPORTATION

They're Fun to Make

9095—This 2-piece frock is cut to slenderize with slim panels and a fitted jacket. Sizes 34 to 48. Size 36 takes 3 3/4 yards of 39-inch material.



9095
SIZES
34-48

4845—A cool sun suit and bonnet for the little tot's summer fun. One main pattern part, no buttons, no side seams. Opens flat to iron. Sizes 1 to 5. Size 2 takes 1 3/4 yards of 35-inch material.



4845
SIZES
1-5



9290
SIZES
6-14

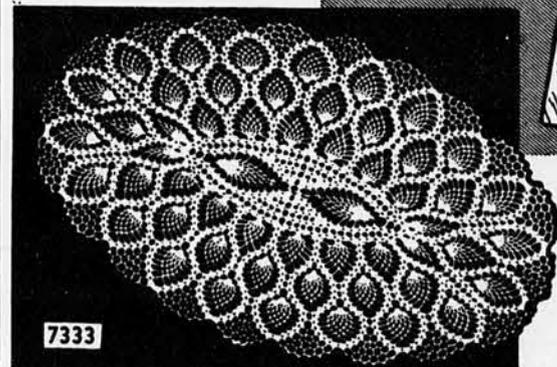
9172
SIZES
11-17

9012
SIZES
12-20

SKIRT



7159



7333



9290—This sunny-day dirndl frock can be made from two 98-pound feed bags. Girls' sizes, 6 to 14. Size 10 takes 2 1/2 yards of 35-inch material.

9172—Here's a frock with a fitted waist, cap sleeves and swirling dirndl skirt. Junior miss sizes 11 to 17. Size 13 takes 2 1/2 yards of 39-inch material.

7159—Gay embroidery for kitchen towels, one for every day in the week, starting life in Mexico. Use vivid colors. Pattern has transfer of 7 motifs averaging 6 1/4 by 7 inches.

9012—Make this cool summer frock with drawstring bows on the shoulders—they're different. Sizes 12 to 20. Size 16 takes 3 1/4 yards of 35-inch material.

7333—Crocheted doilies in the popular pineapple design. Use for luncheon, buffet or dresser sets or as occasional doilies. One is 15 by 24, the other 13 by 16 inches. Complete directions.

Twenty-five cents for each dress pattern, 20 cents for each needlework pattern. Send orders to Fashion Editor, Kansas Farmer, Topeka, Kan.

Safety in Tourist Camps

By CHARLES H. LERRIGO, M. D.

TOURING is popular again this year. Tourist camps report improved business. Many people prefer cottage camps in their travels, from motives of economy, and perhaps because they offer greater freedom. Are they safe? A tourist camp may be as safe as the best hotel or as dangerous as a pesthouse. Before you patronize one make sure of a few health essentials of tremendous importance:



Dr. Lerrigo

1. Pure Water: In some states the board of health examines each camp. Ask the proprietor whether his water supply is certified. Ordinarily water that is piped from the city supply is safe. Well water may be safe if the well is deep and protected from surface drainage. An open well is always dangerous. No spring can be trusted. No body of water is safe for drinking purposes that is distributed by having buckets or other vessels dipped into it. Always boil water that is in any way doubtful.

2. Sewage and Refuse Disposal: A good camp will have flush closets and other toilet fixtures. If such conveniences are not provided, temporary closets should be clean, fly screened and deodorized. A camp with dirty, unprotected closets is no fit stopping place for decent people. It is unsafe. Garbage or rubbish should be buried or burned and any offensive accumulation is a signal for you to move on.

3. Mosquitoes and Flies: In malarial regions beware of camps that may be mosquito infested. They are dangerous to health. Typhoid fever is spread by flies. A fly-ridden camp, especially one with open privies and garbage heaps, is dangerous. No matter how tired you may be, it is no fit stopping place. See that doors and windows are screened.

4. Your nights should be restful. It is always worth while to pay a little more to make sure of good beds and clean sheets. Furthermore, a superior type of camp is somewhat of a guarantee of safe water and food supply. Be particular about clean milk and pure food. Be very careful to protect it from flies. Tourists carrying food may arrange a simple portable icebox that will give protection to perishable stuff. It is worth the trouble.

Of No Value

Will you please tell me whether an electric belt is a good treatment for nervous debility, indigestion, backache, impaired circulation. If so, please mention a reliable company that makes them.—Mrs. W.

There is no electric belt made that is of much more value than carrying a horse chestnut in the pocket. Electricity is often a good remedy for some of the things you mention, but it cannot be taken thru an electric belt.

The Best Teacher

Our little boy 5 years old stammers quite a little. What causes stammering and is there a cure? Do adenoids ever cause it?—R. C.

Stammering is due to a defect of the nervous system. Adenoids might affect it if they were so bad as to impoverish the health of the child, but as a general thing the trouble is not so brought

about. The cure for stammering is by very careful training. The child must not be frightened nor dealt with impatiently. He must be taught to take matters of speech with great care. He must be made to feel that it is just a habit that he can overcome. When he stammers he is just to wait a little and then begin over again. A patient mother is the best teacher for a stammering child.

Rest for a Week

Following a severe cold and flu I have a soreness in the chest and pleura which common remedies have failed to relieve. Going out in the cold air makes it worse. What treatment would you think advisable? S. R. J.

Such conditions are important. The symptoms may mean tuberculosis. If neglected they give an opportunity for its development. Rest in bed for a full week is the best prescription. The trouble is that most of you are too willing to take a medicine and your chances. Rest in bed is so inconvenient.

Short of Breath

Can you tell me thru your column what makes me so short of breath when I eat? That is when it bothers me most. Mrs. C.

I think you should say you notice it most at that time. No doubt it is equally prominent upon any exertion. Have careful tests of heart and lungs.

A Tonsil Puzzle

I'm puzzled about having the doctor cut out the tonsils of my 5-year-old. He is strong and healthy, but I hear that he is less likely to have diphtheria. Would you say to remove them?—Mrs. B.

Not unless the tonsils are diseased. Diseased tonsils are provocative of many ills and their removal is wise. But healthy tonsils are active glands that aid in preventing disease, and certainly should be undisturbed. Immunization will give your boy protection from diphtheria. Inquire of the Health Department.

Danger in Guessing

How and when should a patient with t.b. take sun baths?—C. S. R.

Sun baths for patients with tuberculosis should be prescribed by the physician in detail, so that each case will be suited. There is danger in guesswork. Altho valuable in some forms of tuberculosis, sun baths may be very harmful in lung tuberculosis. Each person should get precise advice suited to his particular case. The preferred time of day for sun baths depends upon the season. In tuberculosis, be sure to consult the physician.

"Hypo" May Help

Will you please tell me what is a sure and quick relief from chigger bites?—S. F.

Sodium hyposulfite, the "hypo" used by photographers, gives as much relief as anything. The best way to use it is to apply a saturated solution to the parts most commonly affected before going into the infested districts. However, it also gives relief to the bites afterwards. A "saturated solution" means as much of the drug as the water will take up.

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

Need Farm Safety Slogan

NEXT week is National Farm Safety Week—July 20 to 26. You will read about farm safety in this issue of Kansas Farmer. How to avoid and prevent farm accidents will be brought to your attention in various ways next week. How to remember to be careful is the main purpose of this safety crusade. Well, what is most likely to keep us reminded about being careful?

How about a slogan? If we find the right one it will stick with us thru-out the entire 52 weeks in the year, and not be forgotten after next week.

So every person on a Kansas farm is invited to send a Farm Safety Slogan to the editor of Kansas Farmer by August 2, 1947. Contest closes that day. The board of editors here will select the best and print them in Kansas Farmer. Then you as readers will be invited to vote on the best slogan. This vote will determine which slogan will get first place.

First-place slogan will earn \$25; second, \$15; third, \$10. Every reader of Kansas Farmer who lives on a farm is invited to send in a slogan for this contest. Only one entry from each person, please.—The Editor.

No refrigeration needed...



even in "90° above" weather!

FLEISCHMANN'S DRY YEAST—lay in a month's supply

• Even in sizzling summer weather —Fleischmann's Fast Rising Dry Yeast keeps for weeks without refrigeration. You can keep a full month's supply handy in the cupboard, use it as you need it. IF YOU BAKE AT HOME—keep it on hand always. Get Fleischmann's Fast Rising Dry Yeast at your grocer's.



Keeps in the cupboard

A HOT TIP ON KEEPING

COLD



COLD STORAGE

FREEZING

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Belco ELECTRIC POWER

"At the Click of A Switch"

Every farm can have BELCO electric power . . . not only for vital refrigeration but to do the chores and provide power for all types of city conveniences. BELCO Generators are simple to install and maintain . . . cheap to operate.

750 to 3000 watt models are now available and generators for specific jobs can be obtained by special order.

THIS SUMMER ENJOY THE ADVANTAGES OF REFRIGERATION MODEL 275M See your local dealer or write direct to the factory for name of the dealer nearest you \$291.50



BELLINGHAM MANUFACTURING CO.

614 Harris Avenue Bellingham, Washington

TONGUE-EASY MILDNESS— RICH-TASTING MELLOWNESS

There is extra smoking comfort when you smoke the rich-tasting tobacco that is specially treated to insure against tongue bite—the world's largest-selling tobacco—PRINCE ALBERT



"Prince Albert is real smoking joy," says H. W. Thompson. "I like everything about Prince Albert—its rich taste, its coolness and mildness. There is real pipe comfort with tongue-easy P.A."



FOR PIPES  OR PAPERS 

PRINCE ALBERT

THE NATIONAL JOY SMOKE

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

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. 25¢ at all dealers. Harold Somers, Inc., 150 De Kalb Avenue, Brooklyn, N. Y.



DAISY FLY KILLER

Avoid price drops. Keystone Grain Trailers speed crops to market. Write Div B, PO Box 169, KC. Mo—Adv.

What to Put in the Locker

By GEORGE A. FILINGER

Kansas Agricultural Experiment Station

PRESERVING foods by freezing is a new industry in Kansas. Because it has many advantages over other methods of food preservation, the industry has grown rapidly. There were perhaps a dozen locker plants in the state in 1935. By 1938 there were 90 and now there are 315 or more plants in Kansas. Not only has the number of plants increased, but the number of lockers has also increased until now there are about 120,000 individual lockers available to Kansans. Assuming that each locker serves 5 people, some 600,000 Kansans now get a part of their food from frozen food lockers.

A recent survey indicates that an average of 426.5 pounds of food was stored in each locker during last year. Of this amount, 356.2 pounds or 83.5 per cent is meat including poultry; 33.5 pounds or 7.8 per cent fruits; 27.5 pounds or 6.5 per cent vegetables; and 9.3 pounds or 2.2 per cent miscellaneous, such as butter and precooked foods. Locker space was a boon to Kansas farmers and Victory Gardeners during the war. This easy, quick way to preserve food saved a lot of time and effort for the patrons, and also saved transportation space to central markets and slaughtering plants and back to consumers.

Balanced Diet Is Measure

Since the data relative to the amounts of various food stored in lockers was for a war emergency period, it does not reflect what might be considered the normal distribution nor the most desirable distribution. It would seem logical that the most desirable proportions of the various kinds of food stored in lockers would be the same as that in a well-balanced diet. That would mean about 66 per cent meat and animal products, and 33 per cent fruits and vegetables should be so stored. A family of 5 needs about 8,500 pounds of food of which 2,500 to 3,000 pounds can be preserved by freezing. Since one half of this can be obtained and used fresh, only about 1,500 pounds will need to be preserved by freezing. Of this amount 1,000 pounds would be meat and animal products such as butter and eggs, and 500 pounds of fruits and vegetables. It would take 2 standard commercial lockers or a 12 cubic foot home cabinet and a carefully worked-out schedule to accommodate the 1,500 pounds of food.

Now let's look at foods for the locker:

MEAT—Characteristics of good animals: Moderately fattened, healthy animals provide the most desirable meat for freezing. Excessive fatness is not necessary, but a good finish adds to the palatability of the meat. Popular weights are: veal—150 to 250 pounds; steers or heifers—600 to 1,000 pounds; hogs—200 to 250 pounds; and lambs—70 to 100 pounds.

POULTRY—Desirable characteristics: Healthy, well-fattened birds of the weight and age best suited to the family use should be selected. Birds should not be fed for 24 hours before

killing, but should be supplied sufficient water.

GAME AND FISH—The State Game Laws should be consulted before game meat is stored in frozen food lockers. Game requires immediate attention and chilling for best meat since the tissues may be torn or bruised by bullets. Only the back and hind quarters of such small animals as rabbits should be stored in lockers. The bony parts occupy more space than is economical. Fish intended for the frozen food locker should be dressed and chilled promptly. Large fish are cut into steaks or boneless fillets. Small fish are prepared the same as for cooking by removing scales, head, tail, fins, and viscera.

FRUITS—Only the best quality fruits should be stored in frozen food lockers. Overripe, immature or blemished fruit will be even worse when removed from the locker. There is considerable difference among the different varieties, but the degree of maturity, the condition of the fruits, and the methods of handling and storage are more important than the variety. The following are some of the kinds of fruit preserved by freezing, and characteristics of desirable varieties, and some of the varieties that have been tested at the Kansas Agricultural Experiment Station.

Apple—Desirable characteristics: Firm, crisp, white and cream colored flesh, desirable flavor, low browning tendency. Varieties tested: Grimes, Jonathan and Winesap have been tested. No doubt other fall and winter varieties would be desirable.

Blackberry—Desirable characteristics: Even ripening, large drupelets, resistance to bruising, dark color, and rich flavored. Varieties tested: Eldorado, Brewer, and Alfred.

Black Raspberry—Desirable characteristics: Large, rich color, even ripening, minimum seediness, resistance to crumbling, juicy and rich flavored. Varieties tested: Black Pearl, Cumberland, and Quillen.

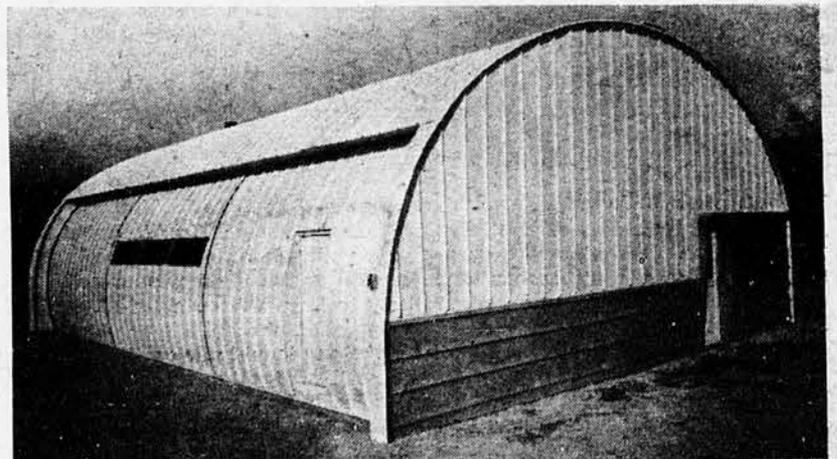
Purple and Red Raspberry—Desirable characteristics: Large, firm, resistance to crumbling, dark color, large drupelets, and rich flavor. Varieties tested: Columbian, Ruddy, and Sodus of the purple raspberry. Latham and Chief of the red raspberry.

Strawberry—Desirable characteristics: Firm, bright color, resistance to bruising, absence of tough core or hollow center, sprightly acid and rich in flavor. Varieties tested: Howard, Blakemore, Dorsett, Progressive, Mastodon, Dunlap and Aroma. Whole berries of Dunlap and Aroma were rather soft, but if sliced and crushed with sugar were excellent.

Sour Cherry—Desirable characteristics: Bright uniform color, uniform maturity, resistant to browning, firm flesh, tender skin. Varieties tested: Early Richmond and Montmorency.

Peach—Desirable characteristics: Firm and fine-grained flesh, freestone, resistance to browning, skin easily peeled, rich yellow color and good

Ready for Flying Farmers



Just right for farmers who own planes is this new hangar. It not only makes an excellent private-plane shelter, but it also can be used as an implement shed, garage, livestock barn, hay storage, feed and seed storage, milkhouse, tool and repair shop and emergency grain storage. It is called a radial hangar by Butler Manufacturing Company, of Kansas City, which makes this all-steel, fire-safe structure. It is 40½ feet wide, 31½ feet deep and 15 feet high.

flavor. Varieties tested: Elberta and J. H. Hale.

Apricot—Desirable characteristics: Even ripening, firm flesh, freestone, distinctive color, rich flavor, resistant to browning. No apricot varieties have been tested at the Kansas station. A few seedlings have been tried.

FRUIT JUICES—Juices of apple, pear, cherry, and grape have been successfully preserved by freezing. Fully tree-ripened fruits carefully handled yield the best juices. Simmering the fruits for a few minutes helps in removing the juices and in preserving the flavor and color.

Freeze Cooking Vegetables

VEGETABLES—The different kinds of vegetables are not equally satisfactory for freezing. As a rule those which are eaten raw and are prized for their crispness such as lettuce, radishes, cucumbers, and tomatoes are not satisfactory when frozen. Vegetables which are usually cooked before being eaten yield an excellent product when preserved by freezing. Vegetable varieties also vary in their desirability for freezing, but again the degree of maturity, proper processing and storing are more important than the varieties.

Asparagus—Desirable characteristics: Deep green color, moderate length, succulent stalks free from tough fibers, minimum shriveling. Varieties tested: Martha Washington and Mary Washington.

Beans, green and wax—Desirable characteristics: Deep green or bright yellow color, tender, free from stringiness, moderate size, firm and good flavor. Varieties tested: Kentucky Wonder, Full Measure, Burpee's Stringless, Green Pod, Pencil Pod, U. S. Refugee No. 5, and Tender Green.

Lima Beans—Desirable characteristics: Green seed, uniform maturity, small to medium, early hulled and good flavor. Varieties tested: Green Prolific, Henderson's Bush, and Burpee's Improved.

Edible Soybeans—Desirable characteristics: Similar to lima beans. Varieties tested: Bensel.

Broccoli—Desirable characteristics: Dark green, tender, absence of stringiness, compact heads, uniform maturity. Varieties tested: Italian Green Sprouting.

Sweet Corn—Desirable characteristics: Tender, uniform maturity, resistant to insects, high proportion of kernel to cob, sweet and good flavor. Varieties tested: Golden Bantam, Golden West, Country Gentleman, Golden Country Gentleman, Golden Cross Bantam, Whipple's Early Yellow.

Peas—Desirable characteristics: Bright green color, large, uniform pods, tender, sweet, good flavor, easily hulled. Varieties tested: Early Alaska, Little Marvel, Alderman, Laxtonian, and Thomas Laxton.

Spinach—Desirable characteristics: Dark green color, succulent leaves, absence of fibrous midribs, good flavor. Varieties tested: Bloomsdale, Long Standing, and New Zealand.

Rhubarb—Desirable characteristics: Deep red color, succulent, tender stalks, absence of fiber tissue, sprightly acid and good flavor. Varieties tested: Ruby, McDonald, and Canada Red.

Miscellaneous—Other vegetables such as okra, dill, squash, carrots, parsnips, turnips, swiss chard, cauliflower, cabbage, and mushrooms have been frozen successfully. In each case the products should be of high quality, proper degree of maturity usually such as for immediate table use.

VEGETABLE JUICES—Juices from tomatoes, kraut, and rhubarb have been successfully frozen.

MISCELLANEOUS FOODS—Eggs—Fresh, chilled eggs are prepared for locker storage by breaking them into a bowl and beating or churning, without whipping in air, until the yolks are broken and well mixed with the whites. Some authorities recommend the addition of one tablespoon of corn sirup or honey to each 2 cups of eggs or egg yolks. The whites may be separated from the yolks and packed without churning or other treatment, but the yolks should be well beaten to prevent undesirable coagulation. Eggs are stored in containers similar to those used for fruits and vegetables.

Butter—Butter is worked thoroly to remove all buttermilk. It is then molded in convenient forms and wrapped in wax paper or put into lined cardboard cartons and placed in the locker to freeze. Butter will keep for 6 to 12 months if stored at zero degrees Fahrenheit.

Other Foods—Not all the possibilities in preserving foods by freezing have been investigated. It is possible to preserve many precooked foods in quantities for the season of heavy demand, for unexpected company or for the housewife's vacation. Among the precooked foods which have been successfully preserved by freezing are soups and soup stocks, baked beans, stews (omit potatoes in stews as they lose texture and quality if frozen for a long period), hash, pastries, pies, cakes, bread, and rolls. Leftovers from the table can be saved by freezing.

Ice cream can be kept 3 or 4 weeks in a locker. Cheese will keep for several months if packed in a moisture, vaporproof wrapper. Heavy cream will keep for weeks in a locker. Some housewives prefer to add about 10 per cent by weight of sugar to the cream before freezing. Thin cream does not freeze well.

All of these miscellaneous foods should be packed in moistureproof paper or packages for safe storage.

Frozen Foods Here to Stay

THE FUTURE—Apparently, frozen foods have come to stay. The popularity of both commercially frozen and locally processed frosted foods, has grown rapidly. Many foods difficult to preserve in other ways are easily preserved by freezing. More work needs to be done in developing varieties especially suited to this method of processing; on refining technique in handling the products before freezing and during storage and after being removed from the locker, and in preparation for consumption. There still is room for many locker plants in Kansas. No doubt some competition with the home frozen food cabinets will develop, but it would seem that for several years there will be a strong demand for both. The wider use of frozen food will improve the diet of Kansans, especially of the rural people.

Get the Extra Milk that's in Your Feed

Feed Morton's Free Choice Salt

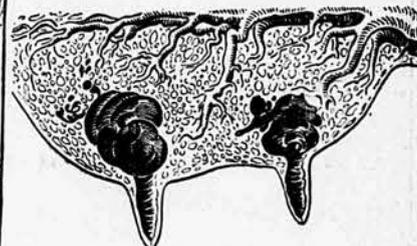
In the amount of feed she needs for body maintenance, there's not much difference between a good cow and a poor one. It's her ability to produce milk that spells the difference between profit and loss. And salt has much to do with milk production.

Lacking salt, and of course water, the milk production of even the average cow will drop three pounds a day. Figuring 300 milking days a year, that's 900 pounds of milk . . . milk that you paid for in terms of feed and labor but never got.

Salt makes a difference not only with dairy cows, but with hogs, steers, sheep — with livestock of all kinds. The book below shows how and why. Write for your FREE copy . . . get more meat, milk, and wool from your feed.



THE DAIRY COW IS LIKE A FACTORY. She gets her raw materials in the form of grain, grass, hay, and silage which she converts into body maintenance and milk. How efficiently she carries on this process depends upon many factors not the least of which is the salt you feed her.



SALT STIMULATES DIGESTION. It supplies the chlorine needed to digest protein, the expensive part of the ration. It also supplies sodium, needed for the digestion of fats and carbohydrates. Plenty of salt makes all livestock look better, eat better, produce better.



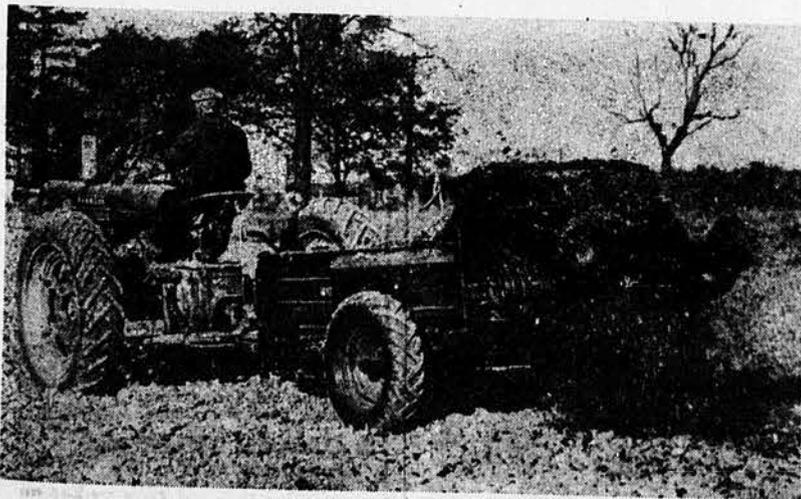
FEED SALT FREE CHOICE. Then you know that each animal is getting all the salt it wants and needs. Establish salt feeding stations around the farm for all your livestock. They'll respond with faster gains, better milk production, lower feeding costs, and you'll enjoy greater profits.



Send for FREE Booklet

Every farmer and feeder needs this practical, well-illustrated, 40-page book. Tells in detail how to feed salt Free Choice for the greatest gains. Also provides plans for making practical, economical salt feeders. Only book of its kind. A penny post card brings you FREE copy by return mail, postpaid. Morton Salt Co., 310 S. Michigan Ave., Chicago 4, Ill.

Soil Must Be Fed, Too



Conserving America's farm soil is a big challenge these days, because depleted farm lands are less productive and the crops have less nutritive value. The first step in combating soil depletion is restoring soil fertility by spreading solid and fluid manure on the field by means of the fluid manure spreader. In this picture the new McCormick-Deering fluid manure spreader is being drawn by the Farmall-M tractor.

MORTON'S Free Choice SALT

Morton's Free Choice Salt is especially developed for more profitable livestock feeding. It's pure — easy to feed and easy to use for mixing. Be sure to ask your dealer for it BY NAME . . . MORTON'S FREE CHOICE SALT.



Until July 31 Only
 ... Save ...
15%
 ON
**Coleman
 AUTOMATIC GAS
 FLOOR FURNACE**

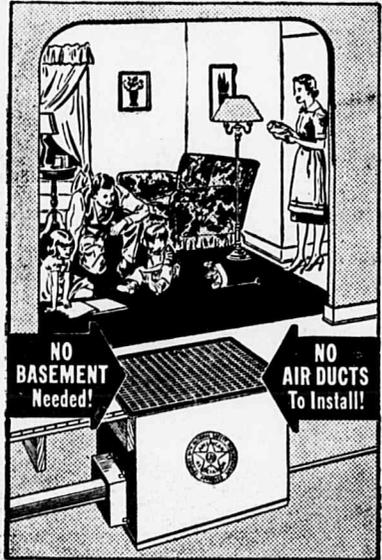


LAST CHANCE...

THIS OFFER ENDS on July 31, so grab it now. We can make this offer only during summer months when we are not rushed. On August 1, prices revert to established resale prices. Buy now and save 15%. Phone today.

Know The Joy And Comfort Of "Take-It-Easy" Heat!

New kind of furnace that needs no basement — inexpensive for equipment and fuel. See how much this Coleman Gas Floor Furnace does for you! No fire-tending, no ashes to clean up, no fuel to carry. And it gives you WARM FLOORS — moves the heat to make you most comfortable.



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**Now Farmers Own
 12 Land Banks**

WITH the receipt of \$76,740,158 by the United States Treasury from the Federal Land Bank of St. Paul, all 12 of the Federal land banks became wholly owned by the farmers and ranchers who have loans from them. J. R. Isleib, land bank commissioner in the Farm Credit Administration, makes this announcement. The bank at Wichita serves Kansas.

"The co-operative Federal Land Bank System," remarked Mr. Isleib, "is owned lock, stock and barrel by the farmers and ranchers who use it, now that all government capital and surplus have been returned to the Treasury. Thus the system, after 30 years, has finally reached the goal which Congress pegged out for this co-operative organization when it was chartered. However, once before the farmers and ranchers came within one fifth of 1 per cent of owning all the stock. That was just before the last depression and before the land banks, at the request of Congress, undertook the job of refinancing a good part of the total farm mortgage debt of the nation."

Are Financially Strong

Mr. Isleib said that complete member ownership of this co-operative system is likely to continue indefinitely because the land banks are in strong financial position and the national farm-loan associations, by and large, are better off than ever before. More

No man has a good enough memory to make a successful liar.
 —De Laval Monthly.

Know "on-the-Farm" Problems

FARM publication representatives from all over the United States gathered recently in Wichita to view the new Skyline farm equipment being manufactured by the Davis Manufacturing Co., Inc.

Showing an intimate knowledge of "on-the-farm" problems, the Davis company is manufacturing a line of multiple use equipment for year-around utility. Most of their basic machines are designed for special attachments to make them practicable for many different jobs.

Some special features of Skyline machinery include "walker arms" on the field cutter to prevent "balling up" of the crop on the incline; a "low corn" attachment on the row-crop har-

vester to catch short stalks, a manure spreader that fits into a 2-wheel trailer and can then be demounted when not in use, and a tilting blower which eliminates backing truck or trailer into position for unloading.

One of the featured implements in Skyline equipment is the Skyline "90" hydraulic loader. Claimed by the company to be the most versatile loader available, the Skyline "90" has 4 attachments—scoop, bulldozer, sweep-rake-stacker and utility fork. The company also produces the "Economy 40," a hydraulic loader with scoop and fork attachments only. The "90" fits most popular-make tractors. At present, the "40" is being built to fit only the Ford tractor.

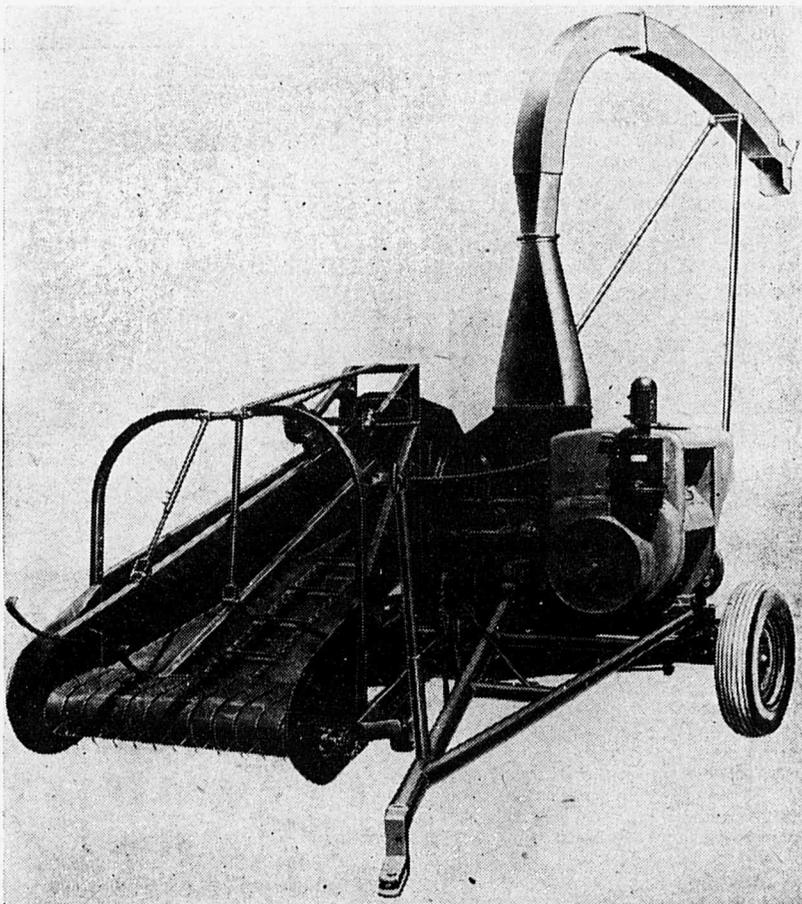
New "Poison" Law

A federal bill related to the marketing of economic poisons became law June 25. This law is an improvement of the Insecticide Act of 1910 and will assure safer purchase and use of poisons to kill rodents, insects and weeds.

Many new and powerful insecticides and fungicides have come on the market in recent years and are being used widely in agriculture. The new act calls for definite labeling of these chemicals to guard against poisoning. At the same time the law protects the user in that the contents must be as specified on the label and perform the job claimed for the chemical.

Some chemicals which might easily be mistaken for household articles will be colored. Highly toxic substances will be identified with the skull and crossbones, the word "poison" and an antidote statement.

The new law protects users of economic poisons and also affords protection for the honest manufacturers and distributors.



Here's the pickup attachment which makes a forage-crop harvester of the Skyline field harvester. With the new "walker arm" assembly, the Skyline can handle any forage crop efficiently. The harvester unit, with appropriate attachment, can be used as a forage harvester, a row-crop harvester, or a portable grinder.



SPIRAL GRAIN LOADER

Bazooka Rainbow Unit is available in 11, 16, 21, and 26-foot lengths. Moves grain at any angle from vertical to horizontal. Optional Salisbury gasoline engine develops 6½ HP, weighs only 56 lbs. Loader can be supplied with or without motor or rubber-tired carrier. Bazooka is sturdily constructed and will last for years.

If your dealer doesn't stock it order Direct

THE WICHITA SUPPLY AND MANUFACTURING CO.

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 you can always find jobs for
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PORTABLE POWER TOOLS
 It costs less to own a busy machine... and CUNNINGHAM tools are built to keep busy. They are rugged, too, for heavy schedules in custom work. They can earn for you and work for you.

- MOWER**
 3-foot variable speed sickle bar type... ideal for weed control, yard trimming, fence rows, many other jobs. A boy can mow up to 2000 rods a day.
- GARDEN TRACTORS**
 Two models, with plow, cultivator, disc, seeder and snow plow attachments. High clearance, clear vision, easy handling.
- SNOW PLOW (Attachment)**
 Mounts on garden tractors; plows 30-inch strip when angled; suitable for light grading, bull-dozing; keeps tractor busy year around.
- GARDEN TILLER**
 Power steering to each wheel provides easier operation... direct motor-to-tine drive and big engine assure thorough pulverizing.

Write for FREE folders today, Dept. 34
JAMES CUNNINGHAM, SON & CO.
 Rochester 8, New York

Price Support For 1947 Wheat

WHEAT price support at a national average of \$1.83 a bushel to farmers for the 1947 crop is announced by the U. S. Department of Agriculture. Last year's rate was \$1.49 a bushel. Both loans and purchase agreements covering the 1947 crop will be available thru the Commodity Credit Corporation.

The price support for the 1947 crop is 90 per cent of parity at the beginning of the marketing year, July 1. July 1 parity is \$2.03 a bushel. On the same date last year the wheat-price parity was \$1.66 a bushel. The increase since that time is a measure of the rise in prices paid by farmers for commodities used in production and farm family maintenance.

Only wheat grading No. 3 or better, or No. 4 or No. 5 because of test weight only, will be eligible for loan or purchase. The loans will be available thru December 31, 1947, and will mature on April 30, 1948, or earlier on demand.

Purchase agreements will be offered growers thru December 31, 1947, and will provide for purchases of whatever quantity of eligible wheat a producer may elect to deliver to the CCC following the maturity date of the loans. Purchase prices will be the same as the corresponding loan delivery rates.

Interim loan rates based upon an estimated parity price of \$2 a bushel were offered by the Department on June 17. The rate announced now is 3 cents higher to reflect the July 1 parity. Rates per bushel at selected terminals are as follows: No. 1 hard winter wheat at Kansas City \$2.03; at Omaha \$2.03; at Galveston \$2.11; at Chicago \$2.08; at St. Louis \$2.08; No. 1 soft white or western white at Portland \$1.98. No. 1 heavy dark northern spring at Minneapolis \$2.05; No. 1 red winter at Chicago \$2.08; at St. Louis \$2.08; at Philadelphia \$2.19; at Baltimore

\$2.19; and on down at Louisville \$2.10. Commodity Credit Corporation wheat price support programs have been in effect since 1938. Farmers put comparatively small quantities under loan in 1945 and 1946 but the total for the entire period since 1938 was approximately 1.7 billion bushels. Farmers redeemed about 1 billion bushels of this quantity, and delivered the remainder to the CCC in satisfaction of loans. The wheat thus acquired by the CCC was sold for industrial, food, and feed uses during the war. Currently the CCC has a negligible quantity of wheat under loan.

Sets a Record

Keith W. Van Horn, Sabetha, has made a state-champion record on his registered Guernsey cow, Vansdale Hercules' Charm. Her production of 9,666 pounds of milk and 546 pounds of butterfat is the highest record in the state made by a junior 2-year-old.

The sire of this cow, Skyline Hercules, owned by Mr. Van Horn, has 2 daughters in the performance register of the American Guernsey Cattle Club.

Come Back Again

Labette county farmers and the Parsons Chamber of Commerce played host, July 16, to a special trainload of Louisiana bankers and farm directors of soil conservation districts in that state.

The tour, sponsored by the Louisiana Bankers' Association, was composed of 75 to 100 farmers and 50 to 75 bankers from the Southern state. Members of the touring party made stops at Dallas and Fort Worth, Tex., Oklahoma City and Parsons. Purpose of the tour was to observe soil and water conservation in different areas and to talk to conservation farmers.

A tour of Labette county was made, with luncheon being served by 4-H Club members at one of the farms. R. I. Throckmorton, dean of agriculture at Kansas State College, was principal speaker at the noon meeting.

Largest 4-H Family

How many 4-H Club members are there right now in your family? Kansas Farmer would like to know the farm family now having the most children enrolled and taking active part in 4-H Club work.

Also, we would like to know the family having the most 4-H Club members all told, no matter where they are now, or when they were members.

Please write the editor of Kansas Farmer, Topeka, giving the name of the family, address, and the name of each 4-H Club member.

"Good Plus" Cows

Harlan R. Phillips, Denison, has recently had his herd inspected and classified for type, the Holstein-Friesian Association of America announces. The inspection was conducted by C. N. Vickers, Lamar, Colo., one of the 11 officials appointed by the association to do this work in the United States.

Among the animals classified in this herd, 3 were designated "good plus"—the third highest score an animal can receive.

The type classification, combined with a production-testing program, is used as a means of proving sires and locating outstanding brood-cow families in an owner's herd.

Pushed the Creek Aside



Four acres of good bottom land were added to this field on the August Kloecker farm, Marshall county, by filling in part of a creek and routing the stream around the field. Here a bulldozer is shown filling in the last of the former creek.

CORN soon will be growing where a creek was located on the August Kloecker farm, in Marshall county. He has just finished having a section of the creek filled in by bulldozers to give him an additional 4 acres of rich bottom land, and to join all parts of a field that originally had to be farmed in 4 small patches.

Scotch creek had cut a super letter S thru the field which Mr. Kloecker wanted converted into one field. The creek waterway ranged from a few to

10 or 12 feet deep and could not be crossed with farm machinery.

Mr. Kloecker conceived the idea of filling the bends and routing the creek around the side of the field. This he has been able to do by building a small dike along the north side of the field.

With a favorable season and corn prices high, Mr. Kloecker believes one good crop will pay for the improvement. Succeeding yields will be that much more profit. The land is farmed by Ed Downie, a tenant.

CATTLEMEN!!! NOW it is CHEAPER

To FEED the Famous BEEF BUILDER

SWEET LASSY

(THE GREAT MOLASSES SUPPLEMENT)

Because
**GRAIN and
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Help yourself to
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Enjoy City Comforts in Your Country Home with



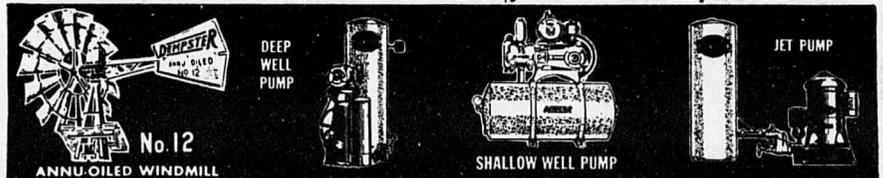
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... more enjoyable than any other one convenience. And

a Dempster Water System can supply that water efficiently, economically, for your kitchen, bathroom, farmyard and feedlots.

A Dempster Water Supply System will mean increased production... increased profits... far greater comfort for your family. See your local Dempster dealer today about a complete installation.

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IRRIGATION CAN DOUBLE YOUR CORN AND OTHER CROP YIELDS!



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and install your pump and also your power plant, either electric or motor, completely ready to operate. Write for free Catalog and full particulars, at once. Western Land Roller Co., Dept. 121, Hastings, Nebr.

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"EAGLE BRAND" GIVES THIRST AID



\$1.50

COOLS BY EVAPORATION

Keeps drinking water 15° to 20° cooler than jugs, kegs or jars.

AT FARM AND HARDWARE STORES

EAGLE BRAND DRINKING-WATER BAGS

YOUR WATER KEG IS A FOOLER!

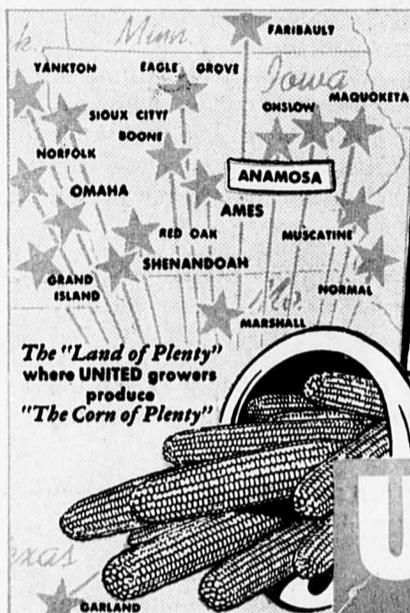
AN EAGLE BRAND KEEPS WATER 15° COOLER!



MADE BY THE MAKERS OF EAGLE-BRAND FARM TARPS

REID NATIONAL NOW JOINS UNITED!

UNITED PLANTS NOW TOTAL 18



The "Land of Plenty" where UNITED growers produce "The Corn of Plenty"

ANOTHER GREAT STEP in BETTER CORN BREEDING to Help Make "The Best Possible Hybrid" Better

With great pleasure the United Hybrid Growers Ass'n welcomes Reid National Corn Co., Anamosa, Ia., into the United organization.

Into United comes Reid's distinguished corn breeder, Dr. Stuart N. Smith; along with Paul N. Smith, to handle production; plus their former associates who will all continue research to help make the "Best Possible Hybrid Better".



Why the United Hybrid Growers Association is Producing Better Hybrids

Growers who form United Hybrid Growers Association believe that best things come from GETTING TOGETHER. That is why they joined forces to produce UNITED HYBRID, "The Corn of Plenty".

By bringing together all their inbreds, combining research and breeding staffs into one big organization, then using best production facilities of all, they are able to produce

a Hybrid worthy of the name—"The Corn of Plenty".

With more than 30 years of corn breeding history behind it, with the efforts of all, united in producing one great Hybrid—it's no wonder, UNITED HYBRID is the corn better farmers of "The Land of Plenty" demand.

Getting together—each pooling its best—uniting in one hybrid... That's what makes UNITED HYBRID the BEST HYBRID for you.

UNITED is Best Quality Field Seed—All UNITED Field Seed is from hardy, adapted strains—rigidly cleaned, pre-tested in UNITED LABORATORIES to assure our customers the finest in high quality field seed.

DEALERS AND FARMERS NOTE: There are still a few territories open for Farmer-Salesmen and Dealers. If interested, write United Hybrid Growers Ass'n., Shenandoah, Ia.

UNITED HYBRID GROWERS ASSOCIATION

Central Sales Office, Shenandoah, Ia. Branch Sales Offices: Omaha, Neb., Anamosa, Ia.

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● 13½ foot FOLD-DOWN combination livestock and grain body, "Fresh off the assembly line" now sold at LOW Factory-To-You price. Built to take more road and load punishment. Super-Strong, Flexible Hard Wood Body. Outlasts any truck. Hickory Stakes, Oak Slats. Edge Grain Floor. Weather-Proof Enamel Finish. Guaranteed workmanship. Greatest Body value in America.

NEW BODIES INSTALLED WHILE YOU WAIT! Factory-To-You policy saves big money. Drive in to factory or nearest branch. Installed while you wait.

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LOW COST UNDER-BODY HOIST Haul more pay loads faster. Install Low Cost Omaha Standard 7 Inch Hydraulic Under-Body Hoist. Dumps all bodies. Only \$294.78. Completely mounted, ready to dump, tax paid. F.O.B. Factory.

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USE **AEROVENT FANS**
VENTILATE HAY AND GRAIN
Reduce loss from weather—fire—mold. Green high protein hay increases milk production. makes fast gains.

EASILY INSTALLED
From our big blueprint. Drawn by us for you.

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THE KoolHay WAY

Fan Cures Hay in Bale

MOW curing of baled hay is one of the many recent experiments using power-driven fans to cure hay. Object of all these experiments is to prevent weather damage to hay, whether from sun or rain and dew, says the U. S. Department of Agriculture.

In experiments in which the Department has co-operated with the Iowa Agricultural Experiment Station the last 2 seasons, excellent results followed careful piling of baled hay over an air-duct system, on the mow floor, thru which air was blown. When bales of hay were piled on their edges with 2-inch air spaces between the bales and with alternate layers at right angles, alfalfa hay of 25 to 30 per cent moisture dried satisfactorily with little loss of color and with the saving of most of the valuable leaves. In one test, bales dumped helter-skelter, without care in piling, cured satisfactorily except for a few bales having high-moisture content, which developed musty spots.

This hay was from first and second cuttings of alfalfa baled in the field before the sun had bleached the hay, and while it was moist enough (25 to 30 per cent) so the baler could pick up the hay without losing many leaves. At this stage the hay is three fourths cured.

Evaporation of the moisture gave a cooling effect, and recording thermometer inside the bales registered temperatures several degrees cooler than the fan-driven air. In the Iowa experiment, hay from the first crop of alfalfa was well cured, and the bales were moved elsewhere before the second crop was cut.

Promising experiments with drying full-length hay, and others with chopped hay, some with heated air and some with air at normal temperature also have been conducted at several experiment stations. The place of this method of making hay in American agriculture has, however, not yet been fully determined, says U. S. D. A. agricultural engineers. Many types of installations are being tested and it is expected that some of them will be adopted rather widely by farmers in some regions, farmers selecting the equipment that will best suit individual needs and regional climates. In humid regions farmers may make plans to dry nearly all their hay or put it up as grass silage, either method probably being better than field curing. In regions where weather is more favorable, the good farmer may have only a part of a loft equipped to dry hay that can be rushed in ahead of rain.

A Home of Their Own

By CHARLOTTE NORLIN

WITH purchase of a barracks from the Great Bend army air base, members of the Fort Zarah Farm Bureau unit have at long last realized their ambition to own their clubhouse.

The unit, which is one of the oldest and largest in Barton county, was organized in February, 1929, at the home of Mrs. Thomas E. McDonald with Mrs. William C. Wells as the president and Mrs. Dee Button as secretary-treasurer.

By 1935 the group was so large no home was adequate for entertaining the big Fort Zarah family. There was no place in Great Bend suitable for such a gathering. The women decided there was only one solution—to build a clubhouse.

In the 12 ensuing years the farm women have never failed to seize an opportunity for making money. If none presented itself, they created one. As a result their undertakings have been many and varied, including the "stuffing of toys and basketball boys," as the unit served the banquet to the all-victorious Great Bend high-school squad this spring.

At the first unit meeting following the attack on Pearl Harbor, the members voted unanimously to invest a goodly portion of their building fund in War Bonds and additional Bonds have been purchased every year since that time. Bonds are being held.

Believing in the Farm Bureau creed, which states that they "count children the most important of crops," the members are happy to provide the members of the Fort Zarah 4-H Club with a home. No doubt these young folks will derive more benefit from the new clubhouse than the "oldsters."

—Leohost Design Empress Prune 2354025, 562 pounds of butterfat, 15,103 pounds of milk, 303 days, 2 milkings daily, 3 years 5 months old; and Leohost Design Johanna Ranna 2429540, 546 pounds of butterfat, 16,624 pounds of milk, 365 days, 2 milkings daily, 2 years 4 months old.

Owned by C. L. E. Edwards, Topeka —Sunnymede Kathryn Bessie 2255398, 516 pounds of butterfat, 14,442 pounds of milk, 309 days, 2 milkings daily, 4 years 10 months old.

Owned by Wilbur C. Sloan, Cleveland—Leohost Man-O-War Henny Jane 1984287, 409 pounds of butterfat, 12,581 pounds of milk, 291 days, 2 milkings daily, 8 years 5 months old.

Testing was supervised by Kansas State College of Agriculture, in cooperation with the Holstein-Friesian Association of America.

A "Plug-in" Milker



Dairy Excellence

Among registered Holstein-Friesian cows in Kansas whose recently completed production records were recorded by the herd-improvement registry department of the Holstein-Friesian Association of America are the following:

Owned by M. A. Shultz & Son, Pretty Prairie—Onabank Pontiac Princess 2179799, 695 pounds of butterfat, 20,950 pounds of milk, 365 days, 2 milkings daily, 5 years 11 months old; and Onabank Natalie Helen 1877525, 681 pounds of butterfat, 20,393 pounds of milk, 333 days, 2 milkings daily, 9 years 10 months.

Owned by Ernest A. Reed & Sons, Lyons—Mt. Joseph Marcel 2359137, 670 pounds of butterfat, 17,882 pounds of milk, 365 days, 2 milkings daily, 2 years 11 months old; and Collins Farm Man-O-War Helen 2405909, 645 pounds of butterfat, 16,709 pounds of milk, 316 days, 2 milkings daily, 3 years 2 months old.

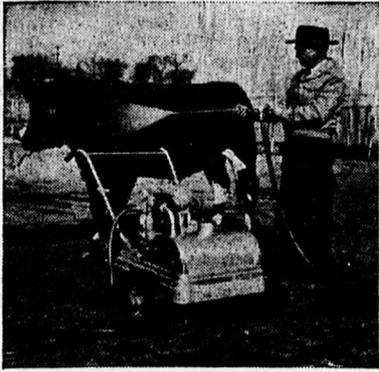
Owned by Wallace J. Beckner, Belle Plains—Lady Colantha Johanna Gloria 2141036, 567 pounds of butterfat, 16,594 pounds of milk, 332 days, 2 milkings daily, 6 years 2 months old.

An improved, portable, "plug-in" milker which a farmer can pick up, plug into any light socket and milk, has been announced by Globe Milker, Inc., of Des Moines, Iowa. It offers many unique advantages, the company reports, which should appeal to every farmer who has electricity. It is completely hand portable and very compact, with the entire power unit right on top of the pail. All it requires is a light socket.

Among the special features emphasized by the company engineers are: Patented claw valve, which gives fingertip vacuum control; consistent, factory-set vacuum and pulsation without variation winter or summer; 1-piece milk and air tube; patented 1-2-3-4 massaging-milking action to insure continuous flow of milk without jerk on the udder; a seamless pail with a wide 9-inch opening and rounded inside surfaces; a mirror-surfaced sanitary claw, short milk tub, detachable pail cover.

The single-unit milker is especially attractive for owners of small herds, while the double-unit milker is being recommended for larger herds.

New Portable Sprayer



A new portable spraying outfit with unusual versatility is announced by an Oklahoma manufacturer. Known as the "Gentleman Farmer Utility Spray," it is intended for easy efficiency in spraying small crops, weeds, orchards, animals, nurseries, termites, and other items. The new sprayer is a product of the Tulsa Specialty Manufacturing Co., Tulsa, Okla.

For Level Fields

The Dawson Manufacturing Corporation, of California, has good news for farmers wishing to level fields for irrigation. This company is manufacturing The Pacific Groundplane, which, it is claimed will level the land to a perfect surface.

Some of the advantages offered are: Reduces the water requirement; increases check widths and requires fewer levees; increases the length of the ditch runs from 50 to 100 per cent; automatically removes soil from high areas and places it in the low areas; operation does not depend on the eye or judgment of the operator; mixes high humus soil with low humus soil; reduces erosion; reduces irrigation problems and costs to a minimum; increases yield and quality of crops.

For a complete folder on this machine and its operation, write Dawson Manufacturing Corporation, 8660 Atlantic Ave., P. O. Box 110, South Gate, Calif.

More Feed Room

A flour mill at Red Oak, Iowa, has been purchased by Danner Mills, of St. Joseph, Mo., and will be converted to a feed manufacturing plant. A new warehouse also will be erected, say company officials.

The new manufacturing plant, which will make all of the many kinds of feeds now being made at the home plant in St. Joseph, will serve Western Iowa and Eastern Nebraska.

A New Spreader

A fertilizer spreader operating on an entirely new principle is being manufactured by the McGrath Mfg. Co., of Omaha.

Known as the new Sargent Lime Spreader, the machine has no arms or beaters and no holes thru which the lime must pass. Instead, lime is pul-

verized and distributed by what is called the "spiral twist," a screw-type rod. Adjustment of the bar is made by 8 screws along the baffleboard.

Sargent adjustment is said to be extremely accurate. It will spread as little as 100 pounds to the acre, and adjusts to any larger amount desired.

Terraces Make Corn

Corn planted on his terraced fields last year made good fodder, according to J. C. Dillingham, Rooks county. But corn on unterraced fields near by was burned to a crisp, he reports.

A heavy rain fell on the fields soon after planting. His terraces and contoured fields held a sufficient amount of moisture for the corn. That one rain made the crop. With the right variety of corn he believes it would have made 25 or 40 bushels.

Since the terraces were new last year, Mr. Dillingham let them lie fallow, giving them an opportunity to settle. Last fall he sowed wheat in the field and has an excellent stand.

Likes Compartment Nest

Long before they were recommended, Jim Hess, Allen county, built compartment nests for his laying house and found they worked satisfactorily. It was 12 years ago when he built the first one. It was only 12 inches wide but it resulted in less egg breakage than in the usual individual nests.

Four years ago when he built a new laying house he installed more compartment nests, making these 14 inches wide. If I had it to do over, he says, I would build them much wider. Altho they are narrow, Mr. Hess points out that his layers have abandoned the individual nests completely. There is no question in his mind, compartment-type nests are better.

In New Attire



Here's an old-time and always-needed friend of farmers all dressed up in new attire and with places to go. Farm tarpaulins in a single high-quality grade and in 5 standard sizes now are being packaged for the first time in the history of the canvas products industry. Eagle Brand Farm Tarps are products of the H. Wenzel Tent & Duck Company, St. Louis, Mo.—Photo from Simmonds & Simmonds, Inc., 611 Olive Street, St. Louis 1, Mo.

AIR POWER IS PEACE POWER!



HELP BUILD AMERICA'S AIR POWER ON AIR FORCE DAY, AUGUST 1ST

• No one today questions the fact that the whole future of the United States may rest in the very clouds over your head. And the new, reorganized Air Forces give thousands of eligible young men an opportunity to take an active part in building America's air power . . . on the ground as well as aloft.

• You may, for example, enlist in the Air Forces for three years. If you have a specialty which will qualify you, you may also be able to enlist in a grade at higher pay.

• If you have had Air Forces experience, you may join the Air Reserve and continue your military aviation training outside of business hours.

• Or, you may join the Air National Guard and perhaps become eligible for advanced technical training at special Air National Guard schools.

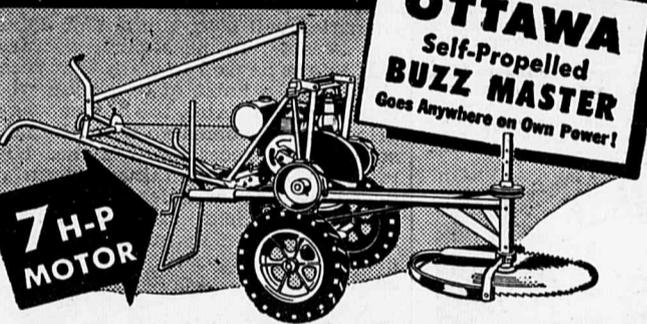
• Think it over. If there are Air Force Day exhibits in your locality, be sure to visit them on August 1st. If no demonstrations are to be held nearby, get a copy of the new Air Forces pamphlet, "Know Your Air Forces," at your U. S. Army Recruiting Station.



VISIT AIR FORCE DAY EXHIBITS, AUGUST 1ST

A NEW ONE-MAN SAW

There is no other like it!



OTTAWA
Self-Propelled
BUZZ MASTER
Goes Anywhere on Own Power!

7 H-P MOTOR



Post Hole Digger and Sickle-Bar Attachment Available

NOW — Big 7 H-P motor. More power for all needs. Two speeds for sawing and road travel. Propels itself as it saws up hill and down. Use engine for belt work, post hole digging or cutting hay when not sawing. Machine eliminates the drudgery of clearing land, fence making or sawing wood. OTTAWA leads for fast sawing. Largest manufacturers of wood sawing machines in the world. Sold only direct to user. Costs too little to do without. Thousands in use. Other important features include: swivel axle, safety clutch, adjustable saw shaft for different saw heights. Patents pending on essential features. Act quickly. Send for FREE details and prices.

The Greatest Name in Saws **OTTAWA MFG. CO.** 1-711 Penn St. Ottawa, Kansas

Farm and Travel Accidents on Increase In Kansas

Highway traffic is increasing.

More machinery is used on your farm. You are working longer hours to feed a hungry world. Women and children frequently have to take care of the livestock—all adding to the accident toll.

The Capper Accident Protection Plan, available to every member of the family, has been developed as an additional service to our farm friends to help bear the financial load when these unexpected accidents strike.

The cost of the service is negligible compared to the cost of accidents should a member of your family be the victim. One of our field men will call on you to explain this service. If he doesn't arrive soon drop us a card for further information.

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From a Marketing Viewpoint

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

I have some whiteface cows on grass in the Flint Hills. When should I sell them?—W. S.

Cow prices are expected to decline seasonally over the next 3 months. Prices are unusually high now and declines after August 1 may be sufficient to more than offset any weight gains after that date.

What is likely to be the trend of butter prices during the rest of July?—E. W.

Butter prices probably will continue to strengthen. The peak of butter production is past and storage dealers will have to acquire stocks if they are to have sufficient butter for fall and winter operations. On June 1, stocks of butter were only one third as large as the 1942-46 average for that date. Dealers have been reluctant to store this year due to the possibility of a price decline this fall and winter.

When is this long predicted "recession" going to occur?—N. A.

The few signs of a recession that showed up in April have now largely disappeared. Business activity continues high. Employment is the largest in history. Markets for automobiles, farm machinery, and many other durable goods are far from saturated. Certain developments indicate that the inflation spiral is taking another turn. The wage boost for coal miners will provide a pattern for other unions which will increase dollar incomes and also will raise costs thru much of the economy. If terminal leave bonds for GI's are permitted to be cashed, more than 2 billion dollars of new money will be pumped into the economic system. If taxes are reduced next January 1, consumers will have additional dollars to spend for goods and services.

Much of the future course of the business cycle will depend on Governmental policy in regard to exports. If the Government finds ways of making dollars available to foreign countries either thru gifts or loans, exports will continue large. Otherwise, foreign countries will soon run out of dollars and exports will necessarily decrease.

It might be well to warn that recessions have a habit of occurring when least expected. Also, the higher wages, prices, and incomes go now, the more serious the recession will be. High prices, rigidly maintained, mean reduced volume of sales, greater surpluses, and less business activity. High wages, rigidly maintained, mean greater unemployment when recession occurs.

Clover a Conditioner

Sweet-clover pasture is a good conditioner for cows or calves when starting them on full feed for fattening, believes Don Clary, Pottawatomie county. When starting calves on full feed in fall, he lets them graze on sweet clover at the same time.

Mr. Clary keeps a herd of 25 to 30 grade cows that produce a good return each year from his pasture land. His calf crop usually arrives in December and January. He leaves them with the cows until October, creep-feeding them thru spring and summer. After weaning the calves October 1, he puts them on sweet-clover pasture and starts feeding more grain. The calves are ready to sell when a year old.

He believes sweet clover does them a lot of good. Last year he sold 19 calves that weighed 13,800 pounds and brought \$25 a hundred. One calf did extra well, so he had it weighed separately. It tipped the scales at 890

pounds December 3 and brought \$25, too. Average on the 20 head was \$183. Grain consumption was between 27 and 30 bushels for each calf.

These calves come from strictly grade cows, Mr. Clary reminds. He buys offspring of nurse cows used for the Kansas State College herd. Many of these nurse cows are dairy breeds bred to good beef sires. Many of Mr. Clary's cows were bought as calves from the college nurse-cow herd. He uses good bulls with these grade cows and produces calves that are better than average. Recently he purchased a good Angus bull as his herd sire.

Sweet clover is a valuable pasture crop on this farm. At the same time he harvests seed crops which make \$18 to \$20 an acre. And sweet clover in the rotation nearly doubles the yield of cereal grains that follow it, Mr. Clary says.

Five Real Herds

Five Holstein herds in Kansas have recently completed a year of production testing in the official herd-improvement registry program of the Holstein-Friesian Association of America. These are:

Ernest A. Reed & Sons, Lyons—15 cows averaged 510 pounds of butterfat and 14,238 pounds of milk in 319 days on 2 milkings daily; M. A. Shultz and Son, Pretty Prairie—18 cows averaged 474 pounds of butterfat and 14,464 pounds of milk in 333 days on 2 milkings daily; Dale Kubin, McPherson—17 cows averaged 429 pounds of butterfat and 11,453 pounds of milk in 291 days on 2 milkings daily; A. Clifford Beckwith, Leavenworth—8 cows averaged 383 pounds of butterfat and 11,863 pounds of milk in 294 days on 2 milkings daily; and Leo H. Hostetler, Harper—29 cows averaged 400 pounds of butterfat and 11,395 pounds of milk in 302 days on 2 milkings daily.

Testing was supervised by Kansas State College of Agriculture, in cooperation with the Holstein-Friesian Association of America.

Good Cows

Two registered Holstein-Friesian cows in the dairy herd owned by J. M. White and Eugene R. Smith, Topeka, recently completed official production records in Herd Improvement Registry test, The Holstein-Friesian Association of America announces.

The higher producer of the 2 was Piebe Maplewood King 2551964 with a record of 468 pounds of butterfat and 11,881 pounds of milk. The record was made in 329 days on 2 milkings daily, and at the age of 4 years 6 months. Her sire is Maplewood Lucile King 762669.

The other high producer was Oklahoma Piebe Pontiac Bridget 1719171 with 402 pounds of butterfat and 11,680 pounds of milk, made in 303 days on 2 milkings daily and at the age of 13 years 2 months. Her sire is Sir Abbe-kerk Ormsby Piebe Segis 521731.

Testing was supervised by Kansas State College of Agriculture in cooperation with The Holstein-Friesian Association of America.

Protect Fencing

Often a tree is in direct line with the fence posts. Instead of nailing the fencing to the trees, use a 1-by-2 or a 2-by-4 spiked to the tree and the fencing spiked to this. In this way the wire does not become imbedded in the tree but the fencing is pushed outward with the slow growth of the tree. When necessary to tighten or renew the fencing, all that is necessary is to pry off the strip and the fencing is uninjured for other use.—Mrs. R. E. Lofts.

New Wheat Record

TOTAL estimated wheat yield for Kansas was boosted almost 2 million bushels over June 1 estimates by the July 10 crop report issued by Hubert Collins, Federal-state statistician for Kansas. Total yield now is estimated at 279,642,000 bushels. The increase is due, the report states, to the fact that farmers will harvest a larger acreage than believed possible earlier. Average yield was unchanged at 19 bushels an acre, according to the report.

Estimated yields for other Kansas crops, as of July 1 conditions, were given as: Corn, 55,407,000 bushels; oats, 38,136,000 bushels; barley, 5,964,000 bushels; flax, 696,000 bushels; potatoes, 1,540,000 bushels; rye, 656,000 bushels; hay crops, 3,302,000 tons.



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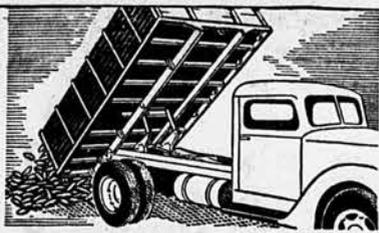
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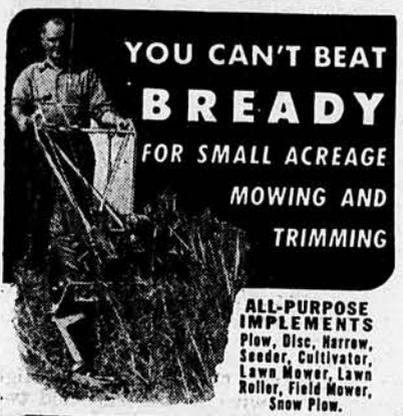
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Europe Will Need Help

(Continued from Page 6)

panies disappeared, thru loss of capital, absorption thru nationalization, or by simple destruction.

"In many countries, confidence in the local currency has been severely shaken. The breakdown of the business structure of Europe during the war was complete. Recovery has been seriously retarded by the fact that 2 years after the close of hostilities a peace settlement with Germany and Austria has not been agreed upon. But even given a more prompt solution of these difficult problems, the rehabilitation of the economic structure of Europe quite evidently will require a much longer time and greater effort than had been foreseen.

"There is a phase of this matter which is both interesting and serious. The farmer has always produced the foodstuffs to exchange with the city dweller for the other necessities of life. This division of labor is the basis of modern civilization. At present it is threatened with breakdown. The town and city industries are not producing adequate goods to exchange with the food-producing farmer. Raw materials and fuel are in short supply. Machinery is lacking or worn out. The farmer cannot find the goods for sale which he desires to purchase. So the sale of his farm produce for money which he cannot use seems to him an unprofitable transaction. He, therefore, has withdrawn many fields from crop cultivation and is using them for grazing. He feeds more grain to stock and finds for himself and his family an ample supply of food, however short he may be on clothing and other ordinary gadgets of civilization.

"Meanwhile people in the cities are short of food and fuel. So the foreign governments are forced to use their foreign money and credits to procure these necessities abroad. This process exhausts funds which are urgently needed for reconstruction. Thus a very serious situation is developing rapidly which bodes no good for the world. The modern system of the division of labor upon which the exchange of products is based is in danger of breaking down.

"The truth of the matter is that Europe's requirements for the next 3 or 4 years of foreign food and other essential products—principally from America—are so much greater than her present ability to pay that she must have substantial additional help or face economic, social, and political deterioration of a very grave character.

"The remedy lies in breaking the vicious circle and restoring the confidence of the European people in the economic future of their own countries and of Europe as a whole. The manufacturer and the farmer thruout wide areas must be able and willing to exchange their products for currencies, the continuing values of which are not open to question.

"Aside from the demoralizing effect on the world at large and the possibilities of disturbances arising as a result of the desperation of the people concerned, the consequences to the economy of the United States should be apparent to all. It is logical that the United States should do whatever it is able to do to assist in the return of normal economic health to the world, without which there can be no political stability and no assured peace.

"Our policy is directed not against any country or doctrine but against hunger, poverty, desperation and chaos. Its purpose should be the revival of a working economy in the world so as to permit the emergence

of political and social conditions in which free institutions can exist.

"Such assistance, I am convinced, must not be on a piece-meal basis as various crises develop. Any assistance that this country may render in the future should provide a cure rather than a mere palliative.

"Any government that is willing to assist in the task of recovery will find full co-operation, I am sure, on the part of the United States Government.

"Any government which maneuvers to block the recovery of other countries cannot expect help from us. Furthermore, governments, political parties, or groups which seek to perpetuate human misery in order to profit politically or otherwise will encounter opposition from the United States.

"It is already evident that, before the United States Government can proceed much farther in its efforts to alleviate the situation and help the European world on its way to recovery, there must be some agreement among the countries of Europe as to the requirements of the situation and the part those countries themselves will take in order to give proper effect to whatever action might be undertaken by this Government.

"It would be neither fitting nor efficacious for this Government to draw up unilaterally a program designed to place Europe on its feet economically. That is the business of the Europeans. The initiative, I think, must come from Europe. The role of this country should consist of friendly aid in drafting a European program, and of later support of such a program so far as it may be practical for us to do so. This program should be a joint one, agreed to by a number, if not all, European nations."

It was on the basis of the foregoing statement that Britain and France called a conference, invited Russia to attend, to lay the groundwork for a program such as Mr. Marshall suggested. Russia refused to have anything to do with it. Britain and France now are trying to work out a program without Russia, and presumably without including many, if any, of Soviet satellites.

Secretary Marshall has declined, up to the time this is written, to elaborate upon his Harvard speech; waiting to see what Europe proposes. Unofficial, presumably semi-official—that is the way the State Department works to prepare the people for blows or bad news—is the view that it will take around \$25,000,000 over a 3- or 4- maybe 5-year period.

Later, on July 5, President Truman issued a statement on food needs from the United States, and an estimate of export programs for this marketing year—with the plain implication that requirements for another year or more may be even heavier.

Summarizing, the President recalled that in May, 1946, the program called for export of 267 million bushels of wheat. Last fall that was raised to 400 million bushels. But 400 million bushels left our shores before May 1. Shipments thru June 30 reached 563 million bushels.

In all 18,500,000 long tons (2,240 pounds to ton) of food were exported during year ending last June 30.

Exports of dairy products approximated 493,000 long tons, compared to 788,000 the preceding year. Exports of fats and oils dropped from 337,000 long tons to 233,000 in 1946-47.

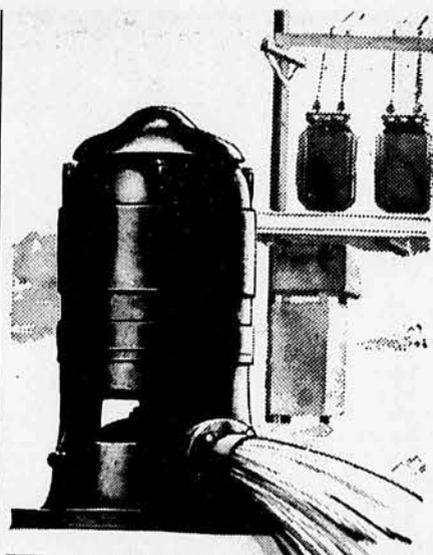
Exports of meats dropped 589,000 long tons in 1945-46 to 224,000 in 1946-47.

Grass Replaces Corn

There was a time when nearly all those hills were planted to corn. Mrs. Fred Brockelman said, looking out across their farm. But out of 227 acres in the home place, they now have 200 of it seeded to grass. Grass in this case is a mixture of brome grass and lespedeza or brome alone. There also is some native pasture.

This grass farming supplies the feed for a 50-cow herd of beef cattle. And while supplying that feed, it is holding the soil intact.

Mr. Brockelman has a 20-acre patch of brome this year that has passed inspection for certification. Early in February 200 pounds of nitrate fertilizer an acre was applied and the ripening seed this summer looked like it was good for 300 pounds or more an acre. At 40 cents a pound for certified seed, it is a good cash crop.



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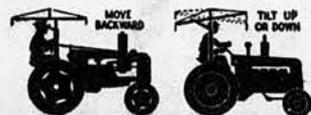
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Legumes Where They Wouldn't Grow

(Continued from Page 5)

good windbreak were brought out by E. R. Bonewitz, county agent. These points included year-around protection (evergreens); long life (not Chinese elm); rapid growth (cottonwood or Chinese elm); maximum height, and protection all the way up. By incorporating different species in different rows these 5 points can be had in every windbreak, said Mr. Bonewitz.

Wheat following wheat as compared with wheat following sweet clover was illustrated on the Calvin Brodman farm. Wheat following sweet clover had a much heavier stand, better color, and was 6 to 8 inches higher with better developed heads. The difference was especially noticeable because the field was divided in half for the test. All other conditions in the 2 halves of the field were identical.

On George Conn's wheat plot farmers saw comparisons between 100 pounds of 4-12-4 applied in the fall, followed by a December application of 150 pounds of ammonium nitrate and plots getting 75 pounds, 150 pounds and 225 pounds of ammonium nitrate applied on February 27. The December application showed the most effect.

Big Help to Oats

Nitrogen fertilizer showed a very marked increase on oats at the Hershel Patterson farm. Whirlwind terraces were viewed at the Jason Burr farm and farmers commented on the smooth job.

Noel Jackson told how lime and sweet clover had boosted a following crop of brome grass. There was a very decided improvement in the brome where lime and sweet clover had preceded seeding, he stated.

At the Clint Cope farm brome grass fertilized with 270 pounds of ammonium nitrate an acre was compared to a plot in the center of the field where no fertilizer had been applied. The center area was almost bare by comparison.

A 65-acre field of Madrid sweet clover on the Cope farm also was inspected. This is the largest single field of sweet clover in the county. It was planted with 15 pounds of Madrid clover seed to one bushel of oats an acre. Oats made a good crop last year. Mr. Cope has an additional field of certified Madrid sown this year. "Madrid has a better seedling vigor," he explained.

The large field of sweet clover was not pastured until late last fall, when Mr. Cope arranged with Kimbell Brothers to put cattle on it. A herd of canner cows then was on the clover for 31 days and gained an average of 52 pounds. Gains would have been higher on better quality cattle, it was explained. Wet weather kept cattle off the clover this spring and it now is being saved for seed.

"Now that farmers in this area have proved they can establish sweet clover," said Mr. Cleavinger, "much education is needed on fuller utilization of this legume." The specialist stated that few farmers realized full pasture possibilities from sweet clover. "Management of sweet clover should be designed to develop the largest possible taproot the first year because that is what puts fertility into the soil," he said. "After a farmer insures that much he can utilize the crop in a variety of ways. If handled right, the crop will more than pay its way and should never be considered as a temporary sacrifice of grain production," Mr. Cleavinger concluded.

How sweet clover can be used in a variety of ways was demonstrated on the Tom Brodman farm. Here, sweet

clover was seeded in oats. The oats made 35 bushels an acre and the clover was pastured from July 4 until late in winter. Generally, it was pointed out, pasturing should be delayed longer than this, but the field had very good growth. This clover was pastured again this spring and a 3-foot growth plowed under, followed by corn.

Sweet clover left for a seed crop can go into grass in the fall or can be seeded back to wheat. Sweet clover straw should not be burned, farmers were warned, but should be one-wayed and double-disked and put to wheat. The drill will go over stubble piles in the field but next spring wheat will be so thick these bare spots can't be found. In this way production costs go down in seedbed preparation. Some farmers in the county are plowing under sweet clover, summer-fallowing, then seeding alfalfa in the fall.

Ed Herold thought his field didn't need lime before seeding alfalfa but put some on a small plot in the field as a check. Alfalfa where lime was spread was so much superior he now is convinced, he told the touring group.

Brome grass sown with oats on the Cornelius McNitt farm showed the benefits of 300 pounds of ammonium nitrate altho the field was out of alfalfa only 2 years. "If brome grass is sowed with oats, germination of the oats should be killed before seeding," stated Mr. Cleavinger. This was confirmed by Mr. McNitt, who said he was having trouble killing out the oats because he hadn't destroyed germination. It was necessary to clean out the oats, he said, because the brome was to be certified. Mr. Cleavinger pointed out that brome needs 200 pounds of nitrogen an acre for seed production, and 300 pounds is practical for increased foliage and seed. Each 100 pounds above 300 pounds adds 3 per cent to the protein content of the foliage but has little effect on seed production and is not practical, Mr. Cleavinger said. Only Southern strain brome should be seeded, warned the specialist.

Better Stand of Clover

Seeding sweet clover with wide-spaced oats, one of the most highly recommended practices in establishing sweet clover, was viewed at the Howard Carlisle farm. Oat rows were 14 inches apart and sweet clover was much taller between than in the drill rows with the oats. Wide-spaced oats will yield almost as much, farmers were told, but the big advantage is in the improved stand of sweet clover.

Sweet clover often is shaded out with close-spaced oats, farmers were told. Competition between the clover and oats also cuts down the oats yield, so wide spacing offers several advantages and saves seed.

Mr. Carlisle sows the oats at the rate of 1 to 1 1/4 bushels an acre, with every other drill hole stopped up, and sweet clover in 7-inch rows at a rate of 1 bushel an acre. Mr. Cleavinger explained that wide-spaced oats had made equal yields with close-spaced at the Stillwater, Okla., experiment station. At Goddard, Kan., experimental plots wide spacing cut yields from 35 to 29 bushels an acre but saved one bushel of seed an acre. However, experimenters never failed to establish the clover when sown with wide-spaced oats.

Wide-spaced oats with sweet clover can be sown with 2 drills in tandem, with the same drill adjusted to sow the sweet clover shallow, or in 2 operations, it was explained.



Brome grass on the left in this picture on the Clint Cope farm had been heavily fertilized. That in the right foreground had not been fertilized. Note height of grass on farmers in the 2 areas.

Classified Advertising Department

Where Do Soybeans Go?

Most Important Product Is the Oil

KANSAS FARMER Classified Advertising

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U. S. Certified White Leghorn cockerels. Select March and April hatch. 300 to 330 ROP sired. 1.50 express collect. Goemann, Sharon, Kan.

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ALFAFA SEED Lot Star, Per Bu.....	\$19.60
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THE KANSAS SEED CO.
P. O. Box 877, Salina, Kan.

Alfalfa Seed for Summer-Fall plantings. \$18.60 bushel delivered free. Triple cleaned. State tested. Send check today with order or write for free samples. Alfalfa Seed Marketing Service, Dept. 1179H, Salina, Kansas.

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Milkers—Parts—Service

Large stock of replacement parts for all milkers. Natural rubber inflations. Farm dairy room supplies.

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Grain and Corn Elevators—16-inch two-chain Elevator and Bale Loader in 24 to 42-ft. lengths — also Single Chain Type. WESTGO patented Mechanical Wagon Hoist—will dump all your wagons into only \$94.00. SILVER STREAK Auger Truck Loaders, 12 to 16-ft. lengths. WESTGO combination Auger Truck Loader and Elevator, 18 & 20-ft. lengths. WESTGO Portable Auger Elevators (motor or power take-off driven) 25 to 35-ft. lengths. Power Take-off Truck Mounted Loaders. Air-cooled gasoline engines or electric motors available for above equipment. Standard size Wagon Boxes. Overshot Hay Stackers, 2 1/2 to 5 ton four-wheel Farm Trailers. Sweep Rakes. See your local dealer or write for circulars and prices. West Fargo Manufacturing Company, Inc., West Fargo, North Dakota.

Low-priced Grain Blowers and Augers. Truck and Stationary types. Also Basin Tillers for erosion control. Write today for particulars. Link Mfg. Co., Fargo, North Dakota.

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Army Work Shoe Laces.....6 prs. \$.25
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ARMY SURPLUS—NOT PREPAID
Army Canvas Cots.....\$2.95 & \$3.95
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Complete with two mattresses.....\$19.95
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Electric, Butane, Oil and Gas for immediate delivery.

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Save Chicken Feed! Don't feed the sparrows high priced chicken feed. My homemade trap wanted to catch them by the dozens. Easy to make. Plans 10c. Sparrowman, 1715 Lane, Topeka, Kan.

Read Capper's Weekly and receive a gift. It's the most interesting and informative weekly newspaper you have ever seen. Write Capper's Weekly for details. Circulation Department K, Topeka, Kansas.

ELECTRICAL EQUIPMENT

DELCO LIGHT

Large Stock Genuine Parts for all models. Plants—Pumps—Batteries—Wind Plants. Modern Shop. Repair any Delco Equipment. General Factory Distributors. Wichita, Kansas

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Combine Owners. We can furnish V-Belt Changeovers for these combines: International Self-Propelled 123 SP, 122; Case Combines A6, A, B, C, H, M, K, P; Holt-Caterpillar 34, 36; Platform Drive for John Deere 17, 5A; Engine Drive for M-M Jr., G2, G3; also Pickup & Auger Drive for New Holland Baler. Field tested. Write for literature for your machine. Farrar Machine Shop, Norwich, Kansas. Phone 1007.

Monroe Heavy Duty Tilting Platform Trailers. 4-ton capacity. Ideal for implement dealers and for use by farmers with pick-up balers and corn pickers. Limited quantity. 25% discount from list price. Porterfield Implement & Trailer Co., 116th Street and 71 Highway, Grandview, Missouri, 1/4 miles south of Kansas City.

Combine for Sale. Baldwin Combine, nine foot, good shape. Walter Smith, Norwich, Kansas.

MACHINERY WANTED

Want Small Combine, 16 to 20 runner drill, 15 to 21-foot disk, press wheels for drills. Will Sheridan, Sutton, Neb.

PRODUCE WANTED

Ship your cream direct. Premium prices for premium grade. Satisfaction guaranteed on every shipment. Riverside Creamery, Kansas City, Mo.

AUTOMOTIVE

Welding Generator 150 Ampere \$47.50. Bargains, motors and generators. State your needs. Butler Electric, 1885 Milwaukie, Chicago.

FARMS—KANSAS

Good Stock Farm—360 acres, 4 miles town, 200 acres pasture, balance alfalfa and brome and crops. Good buildings, electricity, \$40. T. B. Godsey, Emporia, Kansas.

FARMS—MISCELLANEOUS

Modern Home 170-acre Eastern Kansas farm, close in. owner includes 12 cows and heifers, 6 calves, 100 hens, 3 horses, tractor, combine, new electric milker, farming equipment, all crops time of sale—all for \$15,000! Gravel RFD road, 1/2 mile grade school, 7 high school; 85 cultivated, more tillable, 30 second bottom, 20 alfalfa, roomy pasture, home fruit; good 7-room stucco house, basement, modern bath, toilet, furnace, electricity, phone, 50x60 barn, 24x40 henery, other outbuildings; quality buy, immediately available, \$15,000 complete, \$9,000 down. Special with big free catalog 19 states. United Farm Agency, 428 BMA Bldg., Kansas City 8, Mo.

Strout's Green Farm Catalog. Money-making farms and country businesses—over 2,500 bargains. 32 states. Constant to Coast. Mailed Free. Tell us what you want. Where? Price? Terms? Save Time, Money. Strout Realty, 20 West 9th St., Kansas City 6, Missouri.

WHAT happens to your soybeans after they leave the farm?

Midwest farmers know, of course, that soybeans are processed into meal and oil. They know what becomes of the meal—they feed it to livestock in their feed lots in huge quantities.

But soybean oil is more important economically than the meal, says the American Soybean Association. It is the continued world-wide shortage of oil that induced the U. S. Department of Agriculture to ask for more soybean acres in 1947 than ever before. Yet the average farmer right in the soybean belt has little idea of the end uses of soybean oil. This was discovered thru a recent survey taken by a large food firm among farmers in leading soybean states.

Most persons, when queried about the uses of soybean oil, think first of paint or plastics. But actually less than 2 per cent of the soybean oil produced from U. S. farms is now used by the paint and varnish industries. Almost none at all goes into plastics.

Most farmers are inclined to agree with these answers. In the survey, three-fourths of them mentioned paint when asked about the uses of soybean oil. They also named plastics, fuel and parts for automobiles.

But less than one farmer in five mentioned food as a product of soybean oil, altho 95 per cent of all soybean oil produced in this country is now going into food. That shortening, salad oils and margarines are made from soybean oil is news to the farm families that produce that same oil, and also consume these foods, the association finds.

Since the average farmer does not use soybean oil directly in his operations, as he does oil meal, it is not surprising that he is not so familiar with its usages. Also, the crop mushroomed so rapidly during the war with the heavy demands for both meal and oil that it was hard for him to keep track of all its ramifications. In volume, soybean oil has become the nation's leading vegetable-oil crop. Last year it exceeded cottonseed oil, its nearest competitor, by almost 500 million pounds. Less than 5 per cent of this oil is going into uses other than food.

Steering wheels, car bodies and license plates made from soybeans were sensational news. For this reason they received wide attention in the press some years ago. Also, before the war, when soybean oil was relatively cheap, many farm organizations publicized its usage in paint in order to open up new markets for this Midwest farm product. So many farmers, as well as other people, have had the impression that large quantities of soybeans were going into paint and plastics.

Actually, few soybeans were ever used in plastics, and this use has largely been abandoned in favor of cheaper materials. (Soybean plastics are a product of the meal and not soybean oil.) During the war the government prohibited the use of soybean oil in paint and varnish, as well as most other non-food uses, and directed nearly all of it into food channels.

However, soybean oil when properly treated does have considerable promise as a drying or paint oil. It is likely that the protective coating industries will use more of it in the future.

Shortenings and margarines are not sensational. They are accepted as commonplace, at least when people

are able to buy them. Yet these two products are using most of the soybean oil produced in the U. S. today, but this fact has received comparatively little public attention and has gone unheralded.

In 1945, for instance, the margarine industry used 206,643,000 pounds of soybean oil, the product of 24,600,000 bushels of soybeans. This was more than all the soybeans grown in Indiana that year. Two thirds of the farms in Iowa, or almost half of the farms in Illinois growing soybeans, would be required to produce the soybean oil required yearly by the margarine industry.

What State Is Free?

Dear Editor: As no one has answered Earl G. Clark, Mission, Texas, who wrote in the March 15 issue of Kansas Farmer, I would like to say a few words. In his letter, Mr. Clark has only fault to find with Kansas. Graft seems to be his theme word. He has no good word to say for Kansas. He seems to think Kansas is sunk in graft.

Well, this may or may not be true. What state is entirely free of it, except of course Texas? We in Kansas realize that there are many things that should be better, but we are at least living here and making our living in our own state. Mr. Clark says he lived in Kansas 40 years ago and still owns land here. Now if this is such a "graft" state, I'm wondering why he has hung on to Kansas land all these years. I'd like to remind him of the song title, "Don't Bite the Hand That's Feeding You." He says whenever Kansas cleans up a lot of graft, he might consider coming back. Now I think we would rather he stay right where he is! I expect he has to have the income off his Kansas land in order to be able to live in Texas. Maybe some day Kansas will get around to enacting a law prohibiting people from owning land in Kansas and living in Texas.—Mrs. R. Broomhall, Mont Ida.

Lighter Back Porch

I made a neat and serviceable glass door for our enclosed back porch by removing the upper panels of a good but discarded door. I had a glass panel 21 by 39 inches cut at the lumberyard the exact size to fit the opening made by removing the upper panels of the door. To remove the panels I cut the outside groove with a wood chisel. When the panel was removed that left a flange to place the glass against. On the opposite side of the glass I used very small wood molding with mitered corners, and fastened in place with very small finishing nails.—C. S. K.

Own a Kansas-Missouri SILO For Greater Farm Profits

The only white silo constructed with the curved stave, 100 per cent water-proof cement and double coat of plaster.

INSIST ON GREATER STRENGTH, BEAUTY and DURABILITY

KANSAS-MISSOURI SILO CO.
1929 Kansas Ave., Topeka, Kansas
Silo, Grain Bin, Rolling Stock, Concrete Water Tanks

"Let Mom drive, Dad—it's much more exciting!"

Buy Direct From Factory and Save

After 10 years of building Lawn Mowers, we have developed a sickle type mower that will cut fine grass or large weeds. Will cut lawns as well as fields. Mowers, we have developed a sickle type mower that will cut fine grass or large weeds. Will cut lawns as well as fields. Mowers, we have developed a sickle type mower that will cut fine grass or large weeds. Will cut lawns as well as fields.

short as 1 in. Especially built for Cemeteries, Parks and Schools. Mower has L.H.C. Lapedezza guards and sickle, which gives double cutting capacity. Center drive on sickle permits close cutting around curbs and shrubbery. When answering this ad state type of mowing: Yards, Parks or Cemeteries.

SPECIFICATIONS
Width of Cut—36 in. Bearings—Standard Ball.
Power—1 1/2 H.P. Air-Cooled Motor.
Frame—Fabricated Electric Welded Steel.
Differential—Auto Type Drives From Both Wheels.
Drive—Standard Auto V-Belts, Gears—Machine Cut.
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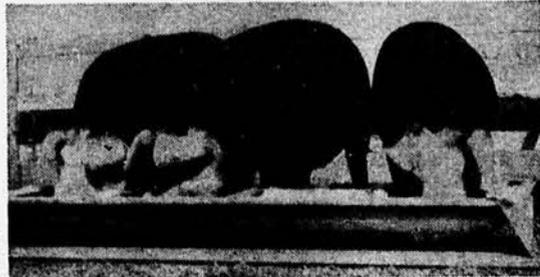
Foushee & Heckendorn, Cedar Point, Kan.

Kansas Hereford Hog Breeders' Assn.

Sale Pavilion

**Marysville, Kan.
Wed. August 6**

40 BRED GILTS
20 OPEN GILTS
6 SPRING BOARS



A number of gilts are sired by or bred to Prize Goods, a national grand champion boar. Also Fashion Model, national reserve grand champion. Consignments from the herds of: Geo. Schmitz, Marysville; Chas. Booz, Portis; W. W. Ulin, Hunter; F. A. Brumbaugh, Portis; Ray Rush, Wellington; A. J. Van Meter, Sterling; A. C. Pope, Irving; Garland R. Gideon, Paxico; Clyde Sines, Langdon; Lloyd Gideon, North Topeka; R. R. Domer, Centralia; Milt Haag, Holton.

For catalog and particulars, write Milt Haag, Sale Mgr., Holton, Kan. Bert Powell, Auctioneer Mike Wilson with Kansas Farmer

I AND BRY 9 1947 MANHATTAN KANSAS



Spotted Poland China Hog Sale

At Kansas Free Fair Grounds

Thursday, July 31, at 1 P. M. — Topeka, Kansas

(Sale held in 4-H Building at west gate entrance.)

40 Head Selling: 30 bred gilts and bred sows—5 spring boars and 5 spring gilts.

Herd Sires: Mitchell's Spotlight, Mitchell's Cob Roller, Mitchell's Silver King, Mitchell's Designer.

Offering Cholera Immune.

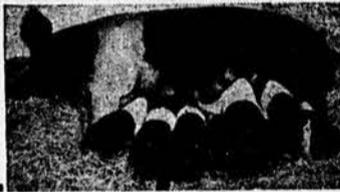
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H. F. MITCHELL, Berryton, Kansas
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REGISTERED HAMPSHIRE

Production Tested, Packer-Farmer Type. Housewife Approved. Weaned pigs for sale.

O'BRYAN RANCH
Hiattville (Bourbon Co.) Kansas
Bred Gilt Sale August 23



HOGS

Better Durocs

Out Where the Best Begins
At the Bolt Farm near Isabel,
(Pratt Co.) Kansas

Wednesday, August 13

(Night Sale)

The Bolt-Seaman Bred Gilt Sale

50 DUROCS (tops from our herds) grown and conditioned with but a little corn. Well grown and none better bred.

35 GILTS, bred for September and early October farrow, fed on Barley, Oats, Maize and sired or bred to Lucky Joe, Orion Improver and Crimson Lad.

5 Proven Bred Sows. 6 strictly choice spring boars also sell. (240 spring pigs in our two herds to offer later in the season.) All immune.

See next issue of Kansas Farmer.
For catalog write to either of us.

W. Fred Bolt, Isabel, Kan.
B. M. Seaman & Son, Wilmore, Kan.

Auctioneer, Bert Powell
Mike and Jess with Kansas Farmer
(Travel west for better Durocs.)

Extra Choice Duroc Gilts

Sired by Lo-Down Fancy Knockout and bred to Kansas Market Topper for August and September farrow.

FRANK ALEXANDER, Corning, Kansas

Offering Duroc Fall Boars

Best of breeding and conformation. Registered and Immuned. Shipped on approval. Write for full particulars.

WILLIS HUSTON, AMERICUS, KANSAS

Registered Duroc Hogs

Choice bred sows and gilts, also a few choice spring pigs. Double Immuned. Priced to move.

HOWARD C. TALIAFERRO, Leon, Kansas

SHEPHERD'S SUPERIOR DUROCS
All bred gilts sold until June and later farrowing bred to Lo Thickmaster and Super Spot Light. Fall pigs by Proud Cherry Orion and Uneda Broadway. Double Immuned. Registered. Kansas' oldest herd.

G. M. SHEPHERD, LYONS, KANSAS

Schulte's Duroc Sale

50 great Pigs at Auction
40 Gilts — 10 Boars

Tuesday, August 12
Hutchinson, Kansas

at State Fair Grounds

Our Durocs topped all three divisions of the Belleville sale last February. These pigs are of the same high quality and breeding.

For catalog write
Ralph Schulte, Little River, Kansas

CHOICE DUROC GILTS

Sired by Top Crown by Crown Prince, Illinois Champion and bred to Quality Lad and Gold Crown. Both have quality and color. Gilts are dark red. Good quality. Also spring pigs by Top Crown. B. M. Hook & Son, Silver Lake, Ks.

FANCY DUROC GILTS

Bred to Topper and Kansas Spotlight for September and October farrow. Farmer's prices. G. F. GERMANN & SON, Manhattan, Kansas

ETHYLEDAL FARM

PRODUCTION 100 fall pigs, boars and gilts, ready for new homes.
HAMPSHIRE Date Scheel, Emporia, Kan.

YORKSHIRE HOGS

The lean-meat, post-war breed. Bred gilts, unrelated pigs. Write for illustrated circular. Yalehurst Yorkshire Farms, Peoria, Illinois

BERGSTEN'S IMPROVED HAMPSHIRE

Now offering outstanding spring boars, immune and reg. Bred Gilt sale August 25, featuring matings to "The Showpiece" and "Contest's Ideal." R. E. Bergsten & Sons, Randolph, Kan.

Livestock Advertising Rates

1/2 Column inch (5 lines) . . . \$3.00 per issue
1 Column inch 8.40 per issue
The ad costing \$3.00 is the smallest accepted.

Publication dates are on the first and third Saturdays of each month. Copy for livestock advertising must be received on Friday, eight days before.

JESSE R. JOHNSON, Livestock Editor
MIKE WILSON, Fieldman.
Kansas Farmer - - Topeka, Kansas

Natural Gas

All Out

A man lost a valuable dog and advertised in a newspaper, offering \$500 for it, but got no replies. He called at the office.

"I want to see the advertising manager," he said.
"He's out," said the office boy.
"Well, his assistant."
"He's out, too, sir."
"Well, I'll see the editor."
"He's out, sir."
"Great Scott! Is everybody out?"
"Yes—they're all out hunting your dog."—G. H. R.

Smarty!

"Is a pig big enough to eat when it's 2 weeks old?"
"Certainly not."
"Then how does it live?"—I. S.

Cut Rate

"Don't you think, Doctor, that you overcharged me for attending Johnny when he had measles?"
"No. I made 6 visits."
"But Doctor—don't forget he infected the whole school!"—T. J.

Not Taking Chances

Visitor: "Tommy, won't you walk as far as the streetcar line with me?"
Tommy: "No Ma'am, I can't."
Visitor: "Why not, Tommy?"
Tommy: "Well, you see, we're going to eat as soon as you leave."—H. D.

Dizzy Business

Employer: "Weren't those circular letters sent out yesterday?"
Employee: "I couldn't find any round envelopes."—O. N.

Both Made Mistake

Traffic Officer: "When I saw you come around that curve, I said to myself, 'Forty-five at least!'"
Woman Driver: "Well, you're wrong. This hat just makes me look old."—B. C.

1/2 Plus 1/2 Equals 1

When Johnny's mother asked him whether one of his new friends was an only child, he looked wise and triumphant.
"He's got just one sister," Johnny replied.

"He tried to tell me he had 2 half-sisters, but I guess I know enough fractions for that."—G. S.

Walking Now

"That new doctor sure knows his stuff; he put me right on my feet."
"Yes, me too—I had to sell my car in order to pay his bill."—R. S.

Bang, Bang, Bang

"My baby just swallowed a fire-cracker."
"Well, is he all right now?"
"I don't know. I haven't heard the last report."

Mixed Details

"Jest had a telegram from de master in Africa saying he am sendin' us some lions' tails," reported Rastus.
"Lions' tails, Rastus? What do you mean?" asked the circus owner's wife.
"Well, see fo yo'self. It says, 'Jes captured two lions; sending details by mail,'" replied Rastus.—B. F. S.



"Now watch me make Grandma mad—I'm going to call her grandma!"

HOGS

Spotted Poland China Bred Gilts

For fall farrow. Big, blocky, roomy. Bred and fed for large litters. Boars in service: Cashfinder by Spot Cash, Foresight by Prospect. Blocky type. Your inquiries and inspection invited.

CARL BILLMAN, Holton, Kansas

KONKELS' SPOTTED POLANDS LEAD

For Sale—Fall boars and gilts, also choice spring pigs, featuring a litter out of a sow sired by Grand View Supreme, the \$4,400 boar. Litter by Advancer.

DALE KONKEL & SONS, Haviland, Kan.

O I C DISPERSAL SALE

McPherson, Kansas

At farm 5 miles west and 3 1/2 miles south of McPherson

Thursday, July 24

11 o'clock sharp

30 Head of Choice O I C s—6 Sows, 24 choice spring pigs, unrelated pairs from prize-winning lines. Double Immuned. 8 Head Milk Cows and Heifers. Full line of Farm Machinery.

MARVIN J. HOSTETLER
McPherson, Kansas

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Face to Face

Footpad—"Get ready to die, I'm going to shoot you."
Victim—"Why?"
Footpad—"I've always said I'd shoot anyone who looked like me."
Victim—"Do I look like you?"
Footpad—"Yes."
Victim—"Then shoot."—G. S.

Spare Parts

"Why! my boy, you're so pale and nervous. What is the matter?" exclaimed an elderly lady (in plane).
"We've lost both wings," replied the pilot despairingly.
"Oh, don't worry. They'll have some new ones put on as soon as we land," the elderly lady reassured him.—N. N. S.

Can't Face It

Bootblack—"Shine your shoes?"
Businessman—"No."
Bootblack—"Shine 'em so you can see your face in them?"
Businessman—"No."
Bootblack—"Don't blame you."—G. S.

SHEEP



THIRD ANNUAL SALE OF SOUTHWEST MISSOURI HAMPSHIRE SHEEP BREEDERS' ASSN.

Monday, August 4, 1947
Thornton Sale Barn
Springfield, Missouri

Tuesday, August 5, 1947
Stockyards
Joplin, Missouri

Shows each day, 9:00 A. M.
Sales each day, 1:00 P. M.

65 Registered Hampshire Rams
54 Registered Hampshire Ewes
For catalog write, ROLLO E. SINGLETON,
Sales Manager, State Dept. of Agriculture,
Jefferson City, Mo.
Tony Thornton, Auctioneer



Clifton H. Davis's 5th Annual Hampshire Sheep Sale

August 7—Archie, Mo.—1:30 p. m.
(2 m. N. and 4 m. E. on good gravel road)
30 yearling Rams—30 Ewes, 1 to 4, few ewe
lambs. All sheep dipped, wormed and in good
breeding shape. Good bloodlines.
A quality offering—NOTE CUT—Center
ram, Mt. Haggin sire of 26 yearling rams—
outside rams sell.

Auctioneers: Powell and Baker,
Don Bowman with Kansas Farmer

Shropshire Sheep

We are consigning 6 Good Rams and
3 Nice Ewes to the

NEBRASKA STATE RAM SALE

Lincoln, Nebr.

Friday, August 1

Plenty of size and sired by Cham-
pion Rams.

D. V. SPOHN, Superior, Nebr.

Nebraska Sheep Breeders' Eleventh Annual RAM AND EWE SALE

Friday, August 1, 1947

State Fair Grounds
Lincoln, Nebraska

80 RAMS — 50 EWES

All yearlings—Hampshire, Shropshire, South-
down, Cheviot, and Corriedale

10:00 A. M.—Judging Sale Sheep,
Hampshire Sheep Type Confer-
ence and Sheep Information.

1:00 P. M.—Auction Sale of Sheep
Mail Orders Filled

CHARLEY CORKLE, Auctioneer
M. A. ALEXANDER, Secretary
College of Agriculture, Lincoln 1, Nebraska
Jesse R. Johnson with Kansas Farmer

Greystone Farm Hampshire Sheep Sale

Sale at farm between NEW FRANKLIN,
MO., and FAYETTE, MO., 1 1/2 miles east
on highway 5. (Fayette is 115 miles north-
east of Kansas City, Mo.)

1:30 P. M. on Thursday
August 7, 1947

75 HEAD SELLING which includes 58 Im-
ported Hampshires. Many prize winners at
leading shows. 20 yearling rams of our
own breeding. 18 big, large boned, heavy
shearing imported rams. 40 head of im-
ported ewes, wonderful type and breeding.
From this importation we had the champion
ewe at the Midwest Stud Ram show and sale.

Write Perry Ewing Jr., Sales Manager, Col-
umbia, Mo., for catalog or other information.
MR. and MRS. EDWIN COX, Owners
Fayette, Missouri

August 2

Will Be Our Next Issue

Ads for the Classified and Livestock
Section must be in our hands by

Saturday, July 26

IN THE FIELD



Jesse R. Johnson
Topeka, Kansas
Livestock Editor

and MIKE WILSON, Livestock Fieldman,
Muscotah, Kansas.

It always is a pleasure to hear from the R. E. BERGSTEN family at Randolph. They always speak well of their Hampshire hogs and their customers. They like to know that the hogs do well in new hands, and often they seem pleased to tell the fieldman that the advertising paid. Whether it is too dry or too wet, or even floods do not dampen their interest in the business they love. Always they have stock for sale and when they hear of a better boar than the one they already have, or there is a chance that another one of a different bloodline will help to improve the breed and give them something better for their customers, they never hesitate to make the purchase. Customers and visitors come and go from the Bergsten farm, stay for dinner and go away with a greater desire to own and breed better hogs.

For more than 40 years G. W. LOCKE and his family have been breeding registered Red Polled cattle on his Butler county farm 10 miles north of El Dorado. The herd has been perfected by the use of the best possible sires and herd improvement has been constant. It is at this time one of the largest and strongest herds in the entire Midwest. The Locke farm is the only farm in Kansas on which nothing but Red Polls are kept in maintaining a grade-A dairy. The milk is consumed by citizens of El Dorado, and the young stock goes out to help start and replenish herds of the state. Hundreds of bulls have been sold to farmers for use in building up grade herds and many others go to the best registered herds of the territory. Calves from the herd win in the biggest shows of the breed.

Out in that part of Kansas where barley and milo grow with little moisture, wheat is the main crop. But it is a revelation to many to learn that some of the best herds of Durocs to be found anywhere are fed little or no corn. W. FRED BOLT, of Isabel, in Pratt county, would neglect his wheat before he would his fine herd of Durocs. He has 140 head of spring pigs and is one of the few men who is making good use of his tree shelter belt. His hog pasture of several acres contains hundreds of trees, locust, Chinese elms, cedar, pine and plum, so arranged to stop wind and also create shade for his pigs. The rest of pasture is in Sudan grass and a water system provides running water.

B. M. SEAMAN & SON, of Wilmore, in south-west Kansas, are wheat farmers. Their part of the state is best adapted to cattle growing, but they believe that no well-balanced agriculture can be maintained without hogs so they have a fine herd of Durocs and combine with Mr. Bolt in auction sales. They have about 100 head of good spring pigs and in service the boar that topped the big Oklahoma association sale last spring. His name is Wide Tread Special, and he is said by good judges to be one of the really good boars of the breed.

Makes Sheep Docking Easy

A simple but speedy method of docking sheep has been worked out by Art Jackson, of Pottawatomie county.

He cut a 2-inch hole in a flat board and attached the board to the top of the bottom half of his barn door. A pen for holding the sheep is provided inside the barn.

One man picks up a lamb and sticks its tail thru the hole in the board. Mr. Jackson stands outside with a pair of homemade shears having a 3-inch cutting blade and lops off the tails. The shears are kept heated in a fire. Two men this spring docked 57 lambs in less than an hour. There is less bleeding when heated shears are used for docking compared to using a knife, reports Mr. Jackson.

More Nitrogen

Farmers soon will be able to get all the fertilizer nitrogen they want. This announcement is made by the Fertilizer Review, a trade publication.

By the spring of 1948, it is said, there will be twice as much nitrogen fertilizer available as during this crop season. Only an unforeseen change in the export of nitrogen could alter the situation, it is claimed.

Trend of the Markets

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

	Week Ago	Month Ago	Year Ago
Steers, Fed	\$29.50	\$28.75	\$22.75
Hogs	25.75	25.25	20.00
Lambs	26.25	26.25	19.50
Hens, 4 to 5 lbs.	.18 1/2	.18 1/2	.25 1/2
Eggs, Standards	.42	.40	.34 1/2
Butterfat, No. 1	.62	.60	.70
Wheat, No. 2, Hard	2.43	2.44 1/2	2.16 1/2
Corn, No. 2, Yellow	2.14	2.24	2.20
Oats, No. 2, White	1.03 1/4	1.02 1/2	.98
Barley, No. 2	1.65	1.62	1.63
Alfalfa, No. 1	25.00	25.00	30.00
Prairie, No. 1	18.00	27.00	14.00



QUEEN OF HEARTS 2nd X.

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

BANBURYS' Polled (Hornless) Shorthorns

Cherry Hill Hallmark sired by the \$5,700 Goshall 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. Calves vaccinated. Deliver in Kansas at cost. Thursdays are special sale day at the farm, 22 miles west and 6 miles south of Hutchinson.

Beef CATTLE

BEEFMAKER BULLS

Are Breed Improving Aberdeen-Angus Bulls—Come see the proof—their calves. Herd Battery—Six bulls in use. The top Aberdeen-Angus bloodlines and definitely reproducing any other kind. Comparison is invited with any other cattle. The "Jingle" in your pocket will warm the heart. Use them and prosper. Inquire of C. E. REED, 4114 East Central Ave., Wichita 6, Kansas. Telephones 68313 residence; farm 5-3868.

Public Sales of Livestock

Guernsey Cattle

October 17—Kansas Breeder's State Association, Topeka, Kan.

Angus Cattle

September 22—Northeast Kansas Breeders' Association at Hiawatha. Harry Dandlker, Manager.

Hereford Cattle

October 9—Luft Dispersion Sale, Bison, Kan. Vic Roth, Sales Manager, Hays, Kan.

October 10—CK Ranch, Brookville, Kan.

October 28—Miller Herefords, St. Marys, Kan.

October 28—L. J. Bodine, Great Bend, Kan.

November 4—North Central Kansas Hereford Association Show and Sale, Concordia, Kan. George Wreath, Manager, Belleville, Kan.

November 11—W. H. Tonn & Son, Haven, Kan.

November 12—J. H. Banker, Salina, Kan.

November 18—Wabaunsee County Hereford Breeders' Association, Alma, Kan., Howard C. Meyers, Secretary.

December 13—Flint Hills Hereford Association, Cottonwood Falls, Kan. R. R. Melton, Secretary, Marion, Kan.

Holstein Cattle

July 21—Willow Springs Holstein Dispersal, Mt. Morrison, Colo. A. W. Petersen, Sale Manager, Oconomowoc, Wis.

October 27—Kansas Holstein State Sale, Abilene, Kan., John Heersche, Chairman, Mulvane, Kan.

November 10—Central Kansas Holstein Breeders' Sale, Hutchinson, Kan. T. Hobart McVay, Sales Manager.

Polled Hereford Cattle

October 27—Mid-West Polled Hereford Breeders, Marysville, Kan. Bernard Hart, Sale Manager, Blue Rapids, Kan.

November 14—Plain View Farms, Jesse Riffel & Sons, Enterprise, Kan.

December 6—Roy E. Dillard, Salina, Kan.

Shorthorn Cattle

October 31—North Central Kansas Shorthorn Breeders' Association, Beloit, Kan. Ed Hedstrom, Secretary, Mankato, Kan.

Milking Shorthorn Cattle

October 22—Hutchinson, Kan. C. O. Heidebrecht, Secretary, Inman, Kan.

November 13—McPherson-Rice County Breeders, sale at McPherson.

Brown Swiss Cattle

October 22—Tri-State Breeders' Sale, Free Fair Grounds, Topeka, Kan. Ross Zimmerman, Sale Secretary, Abbeville, Kan.

Dairy Cattle

July 30—Dairy Heifer Calf Sale, Herington, Kansas. (Night Sale)

Hampshire Hogs

August 22—Glovers Acres, Raytown, Mo.

August 23—O' Bryan Ranch, Hiattville, Kan.

August 25—R. E. Bergsten & Sons, Randolph, Kan.

Berkshire Hogs

October 15—Kansas Berkshire Association Show and Sale, Salina, Kan. Kenneth Bohnenblust, Secretary, Bala, Kan.

Duroc Hogs

August 12—Ralph Schulte, Little River, Kan. Sale at Hutchinson, Kan.

August 13, Night Sale—B. M. Seaman & Son, Wilmore, Kan., and W. Fred Bolt, Isabel, Kan. Sale at Bolt farm.

August 20—Willis Huston, Americus, Kan.

Hereford Hogs

August 6—State Hereford Hog Sale, Marysville, Kan. Milt Haag, Sale Manager, Holton.

O I C Hogs

July 24—Marvin J. Hostetler, McPherson, Kan.

October 29—Kansas O I C Breeders' Association, Sale and Show at Hutchinson, Kan. Marvin J. Hostetler, Secretary, McPherson, Kan.

Spotted Poland China Hogs

July 31—H. F. Mitchell, Berryton, Kan. Sale at Free Fair Grounds, Topeka, Kan.

October 16—(Night Sale) Virgil E. Walter & Son, Rock Port, Mo.

Hampshire Sheep

July 24—Northern Colorado Breeders' Show and Sale, Greeley, Colo. Ward R. Smith, Manager, Fort Collins, Colo.

August 4—Southwest Missouri Breeders' Association, Springfield, Mo. Rollo E. Singleton, Sales Manager, Department of Agriculture, Jefferson City, Mo.

August 5—Southwest Missouri Breeders' Association, Joplin, Mo. Rollo E. Singleton, Sales Manager, Department of Agriculture, Jefferson City, Mo.

August 7—Clifton H. Davis, Archie, Mo.

August 7—Mr. and Mrs. Edwin Cox, Fayette, Mo. P. V. Ewing, Jr., Sale Manager, Columbia, Mo.

Sheep—All Breeds

August 1—Nebraska Sheep Breeders, Lincoln, Nebr.

Dairy CATTLE

HOLSTEINS—THE FARM COW

Holsteins lead all breeds in yearly milk and butterfat production—and make most profitable use of farm-grown roughages. The calves are large, easily raised for herd replacements, or they bring good returns for veal—and the old cows are valuable for beef when their milking days are over.



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Carnation Countryman in Service. Bull calves for sale.

W. G. BIRCHER & SONS, Ellsworth, Kansas

REG. HOLSTEIN BULL

For Sale
FRANK MEIER, 510 West 9th St.
Topeka, Kansas
Phone 3-1447

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We bred and developed the first and only Holstein cow in Kansas to produce 1,000 pounds of fat in 365 consecutive days. Young bulls with high-production dam or granddams.
H. A. DRESSLER, LERO, KAN.

REGISTERED GUERNSEYS

Since 1906 High Production. Correct Type. Popular Bloodlines.
Ransom Farm, Homewood (Franklin Co.), Kan.

Throughout Jerseydom ROTHERWOOD JERSEYS

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Hutchinson, Kansas

REGISTERED JERSEY BULL CALVES
From tested sires and dams that are classified "Very Good" with production records over 400 pounds butterfat. Write for price and description.
H. B. McDANIEL, R. 1, Carthage, Mo.

Dual-Purpose CATTLE



Quality Registered Red Polls

Our herd has been developed for years and improved by the use of the best sires obtainable, working always for the best possible beef and milk balance. We offer choice bulls, calves to serviceable age by Red Boy 00770, sire of the senior heifer calf at the National Lincoln, Nebraska show. Others are by Marchon Beauty's Defender, whose dam produced over 12,000 lbs. of milk. We maintain the only exclusive Red Poll Grade "A" Dairy in the entire country.

G. W. LOCKE
Eldorado, (Butler County) Kansas

RED POLLS
THE "DOUBLE YOUR INCOME" BREED
Write for information and "Red Poll News"
Red Poll Cattle Club
3234 Starr Street, Lincoln 3, Nebraska

Crack Filler

Mixing 1 part turpentine with 3 parts of boiled linseed oil, makes a good crack filler in painting. If a dark color is wanted, add burnt umber or yellow ochre. Otherwise, stir in enough whiting to make a paste about the consistency of cold cream.—E. R.

Removes Tar

To remove tar that has been tracked onto a rug, lay a piece of heavy brown wrapping paper over the spot and run a hot iron over the paper. The tar will melt and cling to the paper.—Mrs. John Hallacy.

Glue the Screw

When a screw persists in working loose, remove it, dip the screw tip in glue and replace immediately. It will not become loose again.—Mrs. Beulah Thompson.

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