

Kansas Farmer



Betty Ropp, Toronto, an outstanding 4-H Club girl in dairy projects, and dairy queen of the Sekan District, grooms one of her entries with the help of her brother, Robert.



This view of judging ring shows Maurice Wyckoff, Altamont, being assisted by his 4-year-old son, Billy, getting a heifer calf set for the judge's eyes. Mr. Wyckoff is president of the Sekan District.



Maxine Fickel, Chanute, is another outstanding 4-H Club girl in the dairy field. In 1947 she won the All-Kansas heifer in the state Ho Friesian Show, at Topeka.

Spring Dairy Shows an Immediate Success



SINCE June is Dairy Month let's look back over the years and review the growth of an interesting development in the dairy industry—the Spring Dairy Show. The spring dairy show, now known to every dairy cattle breeder in Kansas, was first started as a state-wide program by the Kansas Jersey Cattle Club, in 1934. That year 3 parish districts were organized and held spring shows. All 3 had parish herds at the State Fair in September that year.

An immediate success was scored by the Jersey shows. They were so successful, in fact, that other breed associations adopted [Continued on Page 19]

Laverne Modesitt, Thayer, right; his son, Merle, center, and Clyde Dyke, have just arrived at the Parsons show. Mr. Modesitt was pinning his hopes on these 3 animals.



Ivan Strickler, of Iola, gets one of his entries washed up ready for grooming before entering the show ring.



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SAFEWAY answers
the question:

How much of the Food Dollar goes for SELLING?



When discussing the costs of food distribution, people sometimes assume that the whole of such costs, or a major part of them, are run up by retailing.

Charts which show the farmer's share of the food dollar spent by customers as 50¢—and label the other 50¢ as "distribution"—do not make it plain that retailing is just one of many costs paid out of the food dollar.

This 50¢ total cost called distribution also includes charges for storage and freight, for grading, cleaning, processing, packing and wholesaling.

Further, this 50¢ is an average for all farm crops. Actually the farmer's share varies widely between different crops, depending on the amount of processing and other services required. But on the basis of this "average" food dollar, let's look at Safeway costs...

Q What part of the food dollar is spent by Safeway to do the retailer job?

A Less than 14¢. Yes, to cover all our costs from the time we put farmers' products in our stores until we sell them to customers, it takes less than 14¢ out of every dollar spent in our stores. This 14¢ pays our day-to-day retail costs—such costs as wages, rents, taxes, displaying food attractively, and inviting the public with advertising to come and buy. This 14¢ also includes a profit for Safeway.

Q How much profit does Safeway earn?

A Safeway's profit in 1949 was 1⅓¢ per dollar of food sales at our stores. All our costs of doing a retail business, plus a profit, total less than 14¢.

Q Is this 14¢ out of each dollar of Safeway sales smaller than the average costs for these same functions?

A Yes, 14¢ is a considerably smaller than average retailing cost, because Safeway

handles and sells more food per store and per employee. Safeway's system is one of low cost distribution of food. The efficiency of this system allows Safeway to return to farmers both *more total dollars* and a *larger share of each food dollar*.



Q Is this 14¢ per dollar of sales more—or less—than Safeway has operated for in the past?

A *Less.* The part of the food dollar for which Safeway performs its services is lower now than it was 10 years ago. Of course, the dollar volume of our sales is larger now, due in part to increased food

prices. But our labor and other costs have climbed even more sharply, requiring us to seek constantly new ways to operate more efficiently. With total population and per capita food consumption both larger than in 1940... we can do our job today for a *smaller share of more dollars from more customers.*

The Safeway idea of selling more food per store and per employee isn't ours alone. We are in free competition with many stores working toward the same end.

It seems to us that is good for everybody—for farmer, customer and store man alike. We invite you to test our ideas of how a store should be run by doing your food shopping at Safeway, where almost one-fifth of all customers are farm families.



**SAFEWAY
STORES**

Coming, June 17 . . .

You know plants actually get sick. Plant diseases have been responsible for many changes in crops and varieties. They have even caused people to move from one area to another.

What great changes have been made in fighting off the annual 2-billion-dollar loss from plant diseases? What changes may be expected in the future?

For the most complete article on this subject you ever read, see the article on control of plant diseases coming to you in the June 17 issue of KANSAS FARMER. It tells the whole story from up-to-the-minute spraying schedules, to why it costs so little today to use dusts and sprays. It explains how forecasts of disease outbreaks can be made weeks, even a year in advance.

Writer of this article is tops in his field. Watch for it in your June 17 issue of KANSAS FARMER.

Western Kansas Firm Gets Ready for

Safflower Milling



A NEW Western Kansas firm is prepared to get into the safflower milling and marketing business. The firm is Safflower Enterprises, formed by a group of Western Kansas and Colorado men. Headquarters of the new corporation will be at Sharon Springs.

Safflower seed is processed for its oil, which can be used in making paints and varnishes. And the residue can be used as a high protein livestock feed, it is said.

Variety of seed makes a lot of difference in amount of oil that can be extracted. This was pointed out in a story, outlining the possibilities of safflower for Kansas, which appeared in KANSAS FARMER February 4, 1950. A variation of from 17 to 37 per cent of oil has been found. To be of commercial value the seed should produce at least 28 per cent oil.

Percentage of protein in the residue meal varies from 20 to 60 per cent. The

amount depends on both the original content of the seed and the percentage of hulls removed in the milling process.

For more than a year safflower has been talked in Northwest Kansas as a new crop to be used for unallotted wheat acreages. Experiments conducted with the crop in Kansas 15 or more years ago were not successful. But new varieties have been established and safflower may become an important cash crop for the higher plains areas.

Incorporators of the new Kansas firm include C. J. Deckman, Harold W. Frasier, William C. Folbre, Orville C. Walker, Paul L. Walker, Eva D. Deckman, Margaret Folbre, Orville Walker, Jr., Margaret F. Walker and Irma Walker, all of Sharon Springs. Others are Marshall L. Frasier, Mayme M. Frasier and E. W. Frasier, of Boulder, Colo., and Melvin Frasier of Woodrow, Colo.

"Packaged" Dairy Barn Ready for You

Easy to Fit Your Needs With This Kind of Service

EVERYTHING is packaged these days. You buy packaged meat and vegetables at the grocery store. You even buy packaged kitchen units. But, here is the latest thing—a packaged grade-A milking barn!

Yes sir, you now can step into your nearest Quonset or International Harvester dealer and order your new milking barn—building, stalls, and milk room equipment—and know just exactly what it is going to cost.

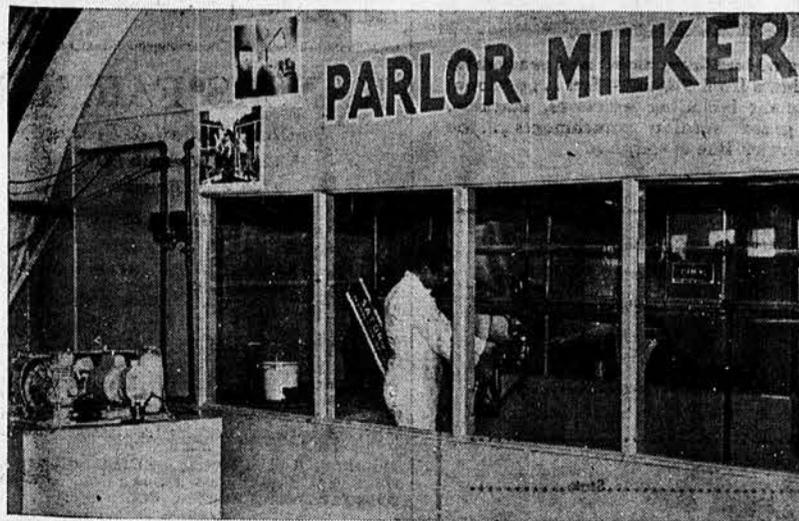
Your dealer will show you sizes and arrangements that will suit your needs, and quote you figures on the entire cost of building and equipment. Not only that! These new milking barns being offered as a "package deal" are the latest thing in "no-stoop," time- and laborsaving design. Milk goes direct from cow to cooler with no stops in between and no chance for contamination.

The idea is brand new in the dairy

field. The "packaged" dairy barn is made possible thru co-operation of the International Harvester Co., makers of the McCormick Parlor Milkers and Milk Coolers; the Great Lakes Steel Corporation, makers of Quonset Buildings, and Starline, Inc., makers of Milking Parlor Stalls.

Manufacturers say that while their dealers will co-operate in helping you plan and price a complete ready-for-milking unit, they point out that use of one company's equipment does not necessarily require purchase of another's. You will be the boss in how much of the packaged deal you want, and how much you would want to replace with some other type or make.

The new parlors have stalls raised 30 inches above the floor. You can buy designs for 2-stall up to 5-stall parlors. The steel buildings, it is said, can be adapted to meet local grade-A requirements.



NO-SQUAT, NO-STOOP MILKING: Parlor milking on a style most farmers can afford, and which reduces chore time to half that required by conventional methods, is being offered in a new "package" deal by building and equipment manufacturers. This picture shows a sample setup being operated at the American Royal Dairy Cattle Show, in Kansas City, recently.



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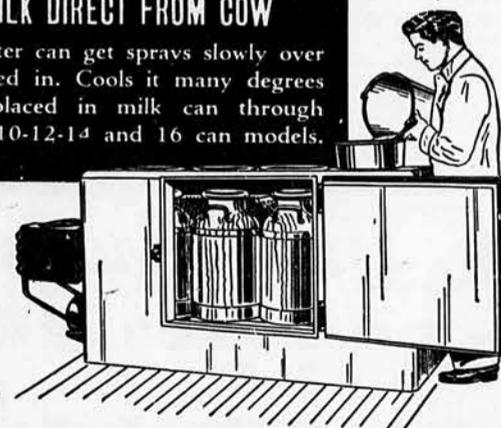
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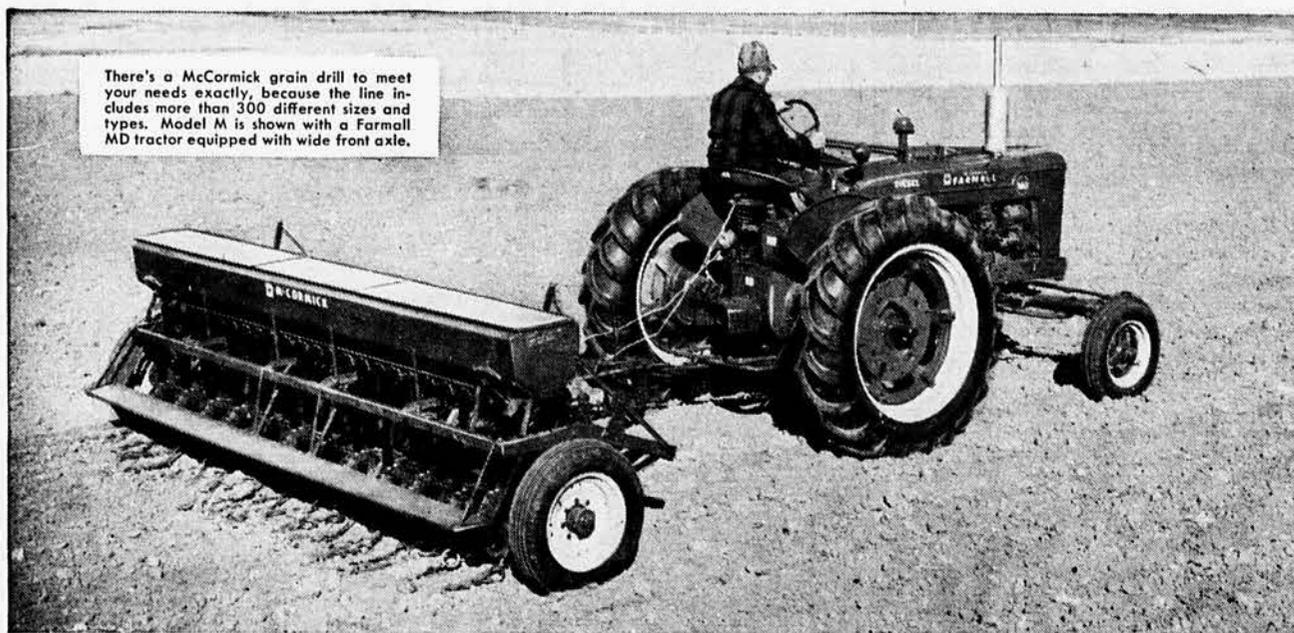
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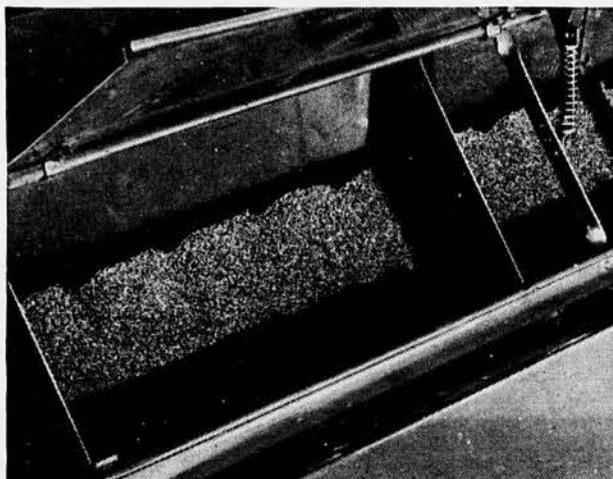
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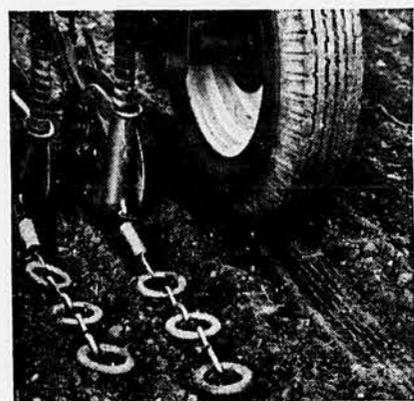
Why McCormick Grain Drills give you even seeding



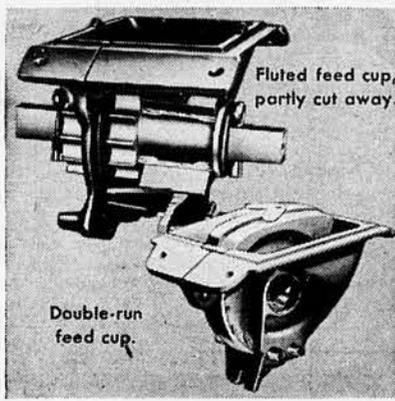
McCormick drills are grain-tested at the factory to make sure that each fluted feed cup meters out seed at the same, even rate, and that the drill as a whole will seed at the rate you set it for. No over-planting, no under-planting.



Here's proof! Start seeding with the grain well leveled in a McCormick drill hopper. When the grain becomes low in the hopper, it will still be level, showing that each cup has fed the same amount. That's even seeding for uniform stands.



Automotive-type wheels (shown) give you the advantages of rubber tires, at low cost. Rubber tires cushion shocks and prevent mud from sticking. You can also get 4-foot steel or rubber-tired wheels.



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Grass Meeting June 8 and 9

YOU value grass. So you will be especially interested in the program on grassland management planned for a meeting of the Kansas-Oklahoma section of the American Society of Range Management. The 2-day meeting will be held June 8 and 9 at Kansas State College, Manhattan.

A banquet the evening of June 8, at 6:30 o'clock in the college cafeteria, will open the conference. Advance reservations are necessary. Send \$1.75 for each ticket wanted to Kling Anderson, at the college. Dr. A. D. Weber, of Kansas State College, will speak on the subject, "All Flesh is Grass." Inspection of the experimental range and soil conservation nursery will conclude the conference on June 9.

Other speakers on the tentative program include Dean R. I. Throckmorton, Kling Anderson, Ed Smith, and Don Atkins, all of Kansas State College; and E. J. Dyksterhius, of the Soil Conservation Service range division, Lincoln, Nebr.

The following farmers will take part in a panel discussion on "What Ranchers Want to Know About Grassland Management": Dave Savage, Woodward, Okla.; Earl Kielhorne, Cambridge; Albert Criger, Howard; Henry Rogler, Matfield Green; Bert Kelly, Cedarvale; Ben Robison, Emporia; John Berns, Peabody, and Charles Topping, Lawrence.

Greenbug Record

The outbreak of greenbug this spring in Kansas, Oklahoma, Texas and New Mexico was said by the U. S. Department of Agriculture to be one of the worst in modern history.

Cattle on Feed

Number of cattle on feed in the 11 Corn Belt states shows an 8 per cent increase over a year ago, states the Bureau of Agricultural Economics. This is equal to about 220,000 head.

One-Country Crop

Almost all of the timothy seed used in the world is produced in the United States, reports the U. S. Department of Agriculture. Highest exports to date were in 1947, when 13,500,000 tons of timothy seed were shipped abroad.

Leading Hay Grass

Timothy hay still is the most popular type of hay grass in the United States, says the Department of Agriculture. The famous combination of timothy and clover averaged about 22 million tons in the 1934-38 period, but increased to more than 32 million tons from 1944 to 1948.

Reasons for continued popularity, says the department, are fairly low cost of seed, ease of sowing alone or in mixtures, adaptation to wide variety of soils, small amount of seed needed per acre, and ease of handling the hay.

Nutritive value of timothy hay has been increased thru early cutting and use of fertilizers.

Senator Capper on Radio

Every Sunday afternoon at 12:30 o'clock Senator Arthur Capper discusses national questions over WIBW radio station.

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Three years, \$1; one year, 50 cents. Copy 5c.

What You Will See on Balanced Farming Tour

IF YOU would like a firsthand look at many phases of the **BALANCED FARMING** program in Kansas, plan now to attend an all-day demonstration tour of Balanced Farming and Family Living projects June 9, in Wabaunsee county.

The tour, sponsored by Kansas State College and the State Chamber of Commerce, will begin at 10 a. m., June 9, at the G. J. Mueller and Sons farm, 7 miles southwest of Alma. A bluestem cattle operation and a grade-A dairy project will be shown at this stop.

An outdoor lunch will be served at noon, in Alma, followed with special music by the Shawnee County 4-H Club

band. Wabaunsee county 4-H Clubs will operate the eating concessions.

In the afternoon there will be a stop at the Walter Hund farm, near Paxico. Here guests will see a demonstration of soil rebuilding and conservation, deferred beef cattle feeding, and home remodeling.

Final stop of the day is at the Elmer Imthurn farm. Certified-seed production, cattle feeding, home remodeling, and a complete program of soil conservation will be shown.

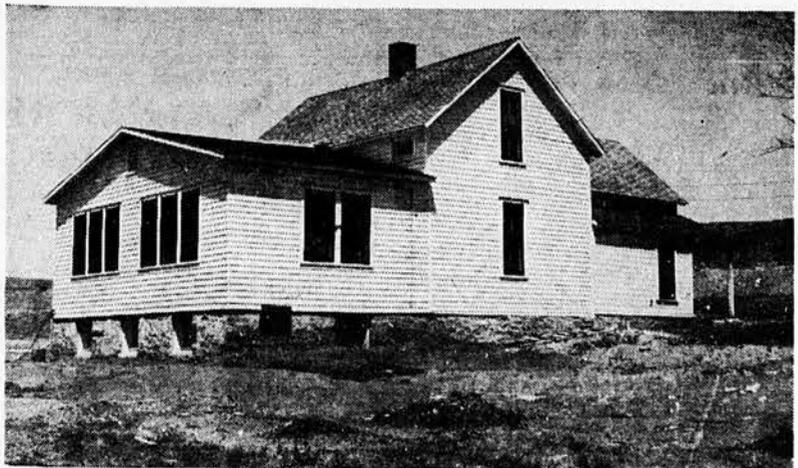
The Alma and Eskridge chambers of commerce and Wabaunsee county extension agents are in charge of local arrangements.



THIS PICTURE in the Walter Hund home, Wabaunsee county, introduces Mrs. Hund and 2 of the 3 daughters in modern and attractive L-shaped kitchen.



USE OF DURABLE, easy-to-clean fabrics and finishes distinguishes the Imthurn living room. To make the spacious room a partition was removed. Sectional pieces and chair in front of the circulating fireplace are of plastic finish.



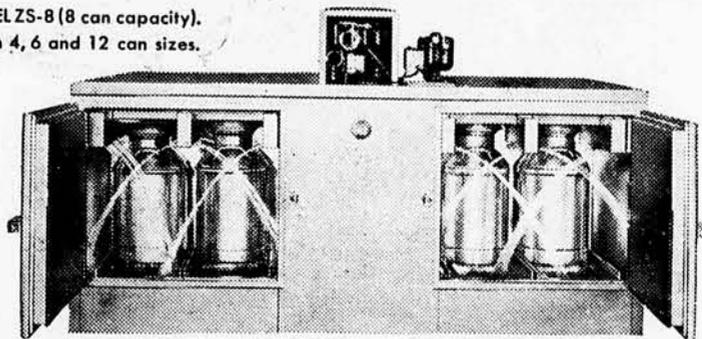
HOUSE MODERNIZATION and changing a frame and stone hay barn into a grade-A dairy barn are features of the G. J. Mueller & Sons stop, opening one on the June 9 Wabaunsee county tour. This view shows the new house section at left, a large, sunny living-dining room facing the south and east, which was added last summer. Beneath the addition is a nicely finished basement room that houses a new wood-burning furnace. This 1,140-acre Flint Hills ranch, located 7 miles southwest of Alma, has balanced the right kind of livestock with feed and pasture. Landscaping and a graveled drive are next improvements.

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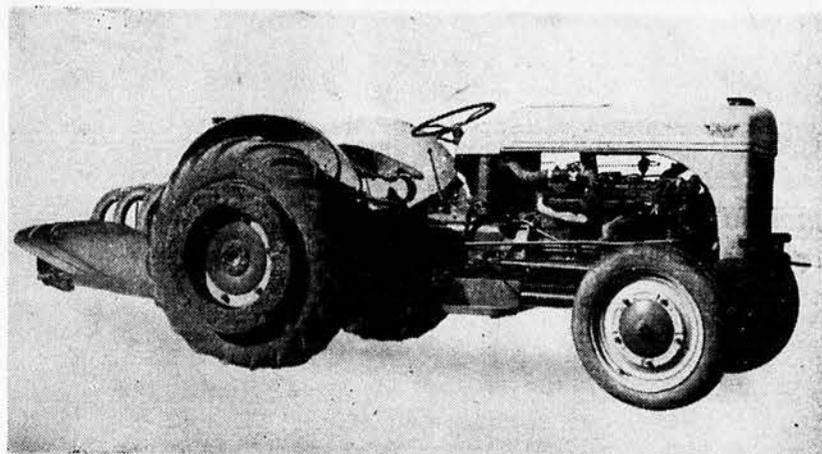
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4-H'ers Will Write to You

(Letters Coming from Wales, Finland and Germany)

Early in June, 3 outstanding Kansas 4-H'ers leave for Europe in the International Farm Youth Exchange program—as announced in the May 20, 1950, issue of KANSAS FARMER. The three are:

Mary Lou Edwards, Manhattan; Ivan W. Schmedemann, Junction City, and H. Dale Johnson, Salina. Each one will write letters telling what is seen and heard, how farming and living overseas compare with your own.

Said Mary Lou: (Going to Wales) "I am honored with your invitation for my letters while on my trip to Europe . . . I will be most happy to write about my experiences for KANSAS FARMER readers."

Said Dale: "It will be a pleasure to share my overseas experiences with KANSAS FARMER readers. Finland, where I am going, sounds like an interesting and different country."

Said Ivan: (Going to Germany) "I shall be very glad to write letters to be published in KANSAS FARMER while I am in Europe. I have been looking forward for an opportunity of this kind."

Said the Editor: Watch for these interesting letters starting soon in KANSAS FARMER.

Gets Big Litters From His Yorkshires

By J. S. BRAZELTON

MAX CAIRO, registered Yorkshire breeder near Sparks, does not like to force his hogs too much. He is able to produce sturdier stock, he says, by letting pigs take their time putting on weight. With the rotation pasture system he has worked out, he is able to get cheaper pork by grazing but it takes longer. For pasture he uses alfalfa, brome and Sudan.

Mr. and Mrs. Cairo live on a rented farm, but this does not prevent them from doing many things they would do as owners. They have a landlady, Mrs. Emil Winzer, of Troy, who is willing to spend money for repairs, provide needed fences or supply legume seed, which, she realizes, is necessary if fertility of her acres is to be maintained. In return, Mr. Cairo is willing to risk sinking some of his capital in property that is not his.

Believing it to his financial advantage, he remodeled one shed into a very acceptable 6-pen farrowing house equipped with electric pig brooders. Using his money he has provided a 5-inch, concrete feeding floor about 40 by 60 feet in size, which, he says, the litter from one sow paid for. He also remodeled and installed, at his expense, a concrete floor in the laying house.

Needing shelter for his purebred livestock he built one in the side of a hill with its open front facing south. The roof was made by blowing straw at threshing time onto cut poles laid close together, and supported by heavy uprights cut from timber on the place. New straw will be blown onto the roof this summer. There are no drafts in this house to give animals colds. Cost of constructing this shelter, which is cool in summer, was only \$40.

Was After Bacon Type

The reason Mr. Cairo decided to raise Yorkshires is because he knew packers wanted a bacon-type hog, and that is exactly what the Yorkshire is. Farmers, however, still have the lard-type ideal in their minds, and as they are his potential customers Mr. Cairo is finding it necessary to alter his hogs to a certain extent by selection to conform more nearly to what farmers are willing to buy. Consequently he is developing a strain that is neither strictly bacon-type nor lard-type. He likes to call it a meat-type hog.

Mr. and Mrs. Cairo recently made a trip back East, and after visiting 8 Yorkshire farms in Indiana and Illinois they purchased a boar and 4 gilts.

This new boar, selected principally for his head and firm, straight front legs, eventually will replace his old boar which he plans to continue to use for 3 more years. Hogs on his farm are registered in the American Yorkshire Club, Headquarters Lafayette, Ind., and Mr. Cairo explains the reason he raises purebreds on this rented farm is because he knows, without question, they make more efficient use of feed.

Large litters are the rule. His sows and gilts wean an average of 10 pigs a litter. I saw 4 sows just farrowed and their total output was 41 pigs. One individual designated as his prize sow has had 5 litters of 12 to 14 pigs to the litter. Sixteen of her offsprings sold at a recent sale averaged \$139.

Two sows in the herd are Canadian bred. According to Mr. Cairo there are 2 varieties of Yorkshires. Typical of the Canadian strain is the deeply-dished nose. The English strain has less nose dish, and Mr. Cairo is more partial to this type because he says they are less subject to nasal difficulties.

The Yorkshire originated in Northern England. Improvement has been brought about by selection and by the infusion of Chinese stock. Not only does the Yorkshire set the standard for bacon quality, but it leads all breeds in its ability to raise large litters, a characteristic demonstrated so well by the Cairo herd.

Are Good Sows

Records apparently show Yorkshire females have greater milk-secreting capacity than any other breed. Mated with the right type boar of any American breed, the Yorkshire sow produces pigs which are excellent feeders and immensely popular with packers. By the first of June, Mr. Cairo planned to have available as foundation stock 12-week-old pigs which he will sell in groups, 2 gilts and one unrelated boar, for \$100.

On March 14, the Cairos held their first public auction—32 bred gilts, 5 spring boars and 7 fall boars—sold at the purebred livestock sale pavilion in South St. Joseph. So well pleased are the Cairos they plan another sale next year.

The Cairos also have an outstanding herd of registered Milking Shorthorns headed by a bull purchased in Wisconsin. In anticipation of a drouth, Mr. Cairo has made provision for an abundance of reserve feed.

Now Hear This!

You veterans who have been wanting to take "on farm training" under the GI Bill, but who never have gotten around to enrolling, had better check up on your standing immediately.

Harvey B. Goodrich, Topeka district manager of the Kansas Office of Veterans' Affairs, is warning veterans discharged by July 25, 1947, that they must start any course of education or training under Public Law 346 by July 25, 1951.

See your nearest office of veterans affairs for complete details.

Would you like to increase the size of your laying house, yet decrease the labor of caring for your chickens? Here is a farm family that has done just that.

Seven Workable Poultry Ideas

YOU could look at poultry houses for a week and maybe not find as many ideas as are contained in the remodeled poultry house on the farm of Mr. and Mrs. Ralph Bradley, Labette county.

They started with a regular 20- by 40-foot, Kansas-type laying house and remodeled it to 40 by 40 feet. Here are some ideas put into this one laying house:

Ventilation—The Bradleys did not like the straw loft, so insulated their new laying house and put in cross-ventilation and exhaust fans. Windows are kept closed.

M. A. Seaton, Kansas State College Extension specialist, says: "Poultrymen should have either an open house or one that is completely ventilated with a system. It doesn't work to try to mix the 2 ideas."

Waterers—Suspension type, self-cleaning, automatic waterers are used in the Bradley poultry house. Weight of water in the bowl operates shutoff valve. "We didn't have to clean the waterers once in the first 6 months of operation," says Mrs. Bradley. As recommended, waterers are suspended over raised wire gratings underlaid with tile so chickens cannot make a mess on floor and thus spread diseases.

Feeders—Two good ideas on feeders. One is a metal barrel with both ends knocked out and set on an old planter wheel. This makes a self-feeder for 100 hens. To put fresh feed down into the wheel rim, shake the barrel.

Second idea is to make self-feeders by boarding over studs along the wall, putting a flare and lid at top. Feed can be poured in at top and chickens get it out at bottom. Wall feeders used in the Bradley house will hold a ton of feed, yet take up no floor space.

Commenting on feed, however, Mrs. Bradley says: "We try not to keep too long a supply of feed on hand at a time, because we believe some value is lost if feed is held too long in feeders. We grind our feed fresh at least every 2 weeks."

Feed carrying—Another innovation in this poultry house is an overhead feed room with a gravity spout in the poultry house. No room is taken away from layers for feed storage, and no scooping is necessary. Distances feed must be carried also are reduced where spout is centrally located, rather than having feed carried from a feed room.

Nests—A 3-story, community-type nest is used. First floor has a base of 4 by 7 feet, and this nest has a parti-

tion running lengthwise. Each of the 2 top stories is set back 6 inches from the one below. Floors of the upper 2 stories stick out about 8 inches at one end below the nest entrances.

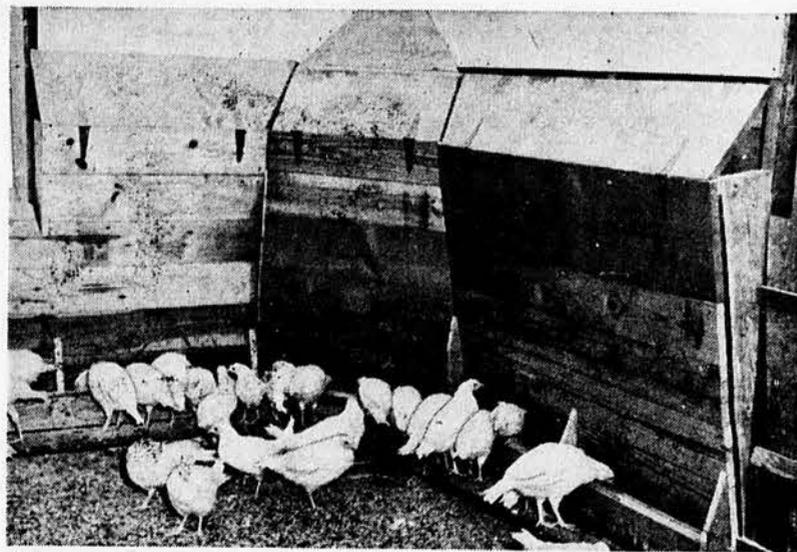
Roosts and manure disposal—Approved type droppings pits are used as roosts and for manure disposal. These



LOOKS EASY: With overhead feed bins, layers get feed by gravity from this chute mounted on side of a ventilator.



IT WORKS: Metal drum on Planter wheel makes self-feeder for 100 hens. A shake of the barrel forces fresh feed down onto the wheel.



SAVES FLOOR SPACE: By slightly extending the studding with a wedge-shaped board, the Bradleys make walls of their poultry house serve as one side of self-feeder. Feed drops down into hopper.

droppings pits are against the north wall. Doors at perch height have been installed for cross-ventilation during extremely hot days.

Floor and litter—This house has a concrete floor, and ground corncobs are preferred as litter. Mrs. Bradley has an idea to keep litter from sticking to the concrete and has designed an easy tool for quick stirring of the litter. She spreads a thin layer of sand over the concrete floor before the litter is added. This keeps it from sticking. On the end of a hoe handle she has mounted a blade about 12 to 15 inches long and 1½ inches in depth. This blade, when pushed along the concrete floor, will stir the litter. "The blade should not be over 1½ inches in depth because you want the litter to fall over the top as the blade is pushed along," Mrs. Bradley explains. It takes her 12 minutes to stir the litter.

★ ★ ★ ★

June Calendar

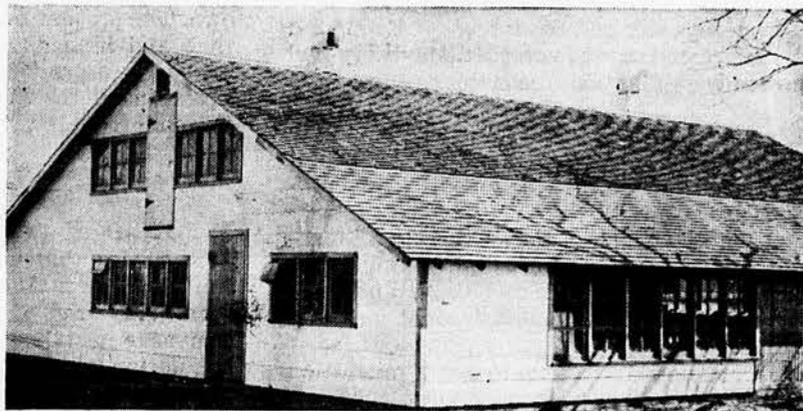
June! You bring the lovely rose
And in your own good ways,
Make gardens green and ripen fruits
And offer special days.

The fifth, the churchman's Pentecost
And Flag Day after that,
Then comes the 19th, Father's Day,
Choose well his new cravat.

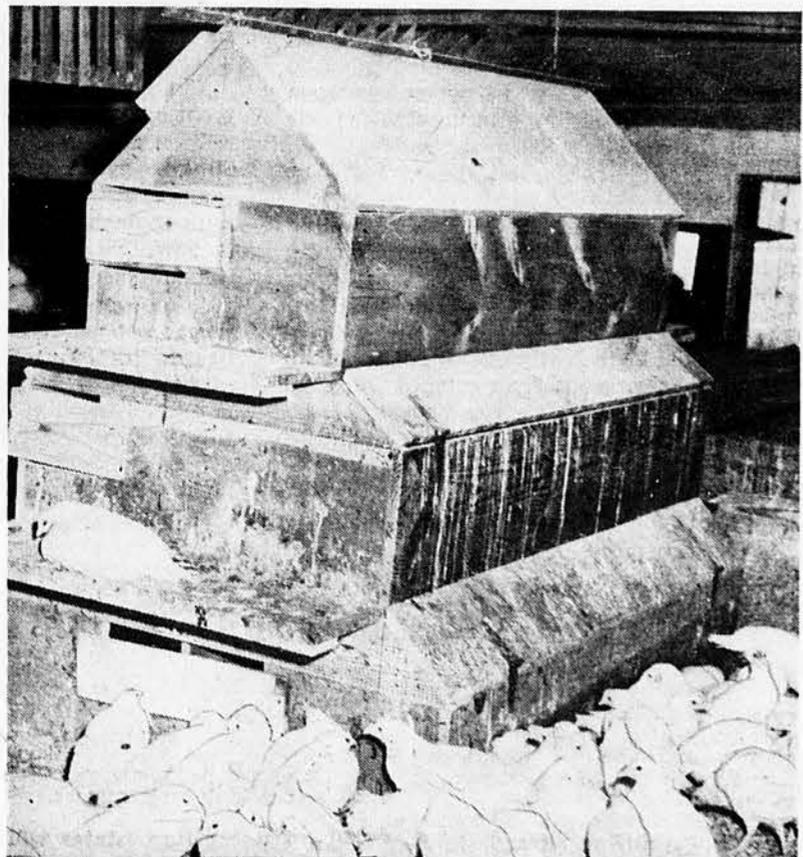
Fishing poles and swimming suits,
And picnics any day,
For summer comes the 21st
So, boys and girls! come play!

—By Camilla Walch Wilson.

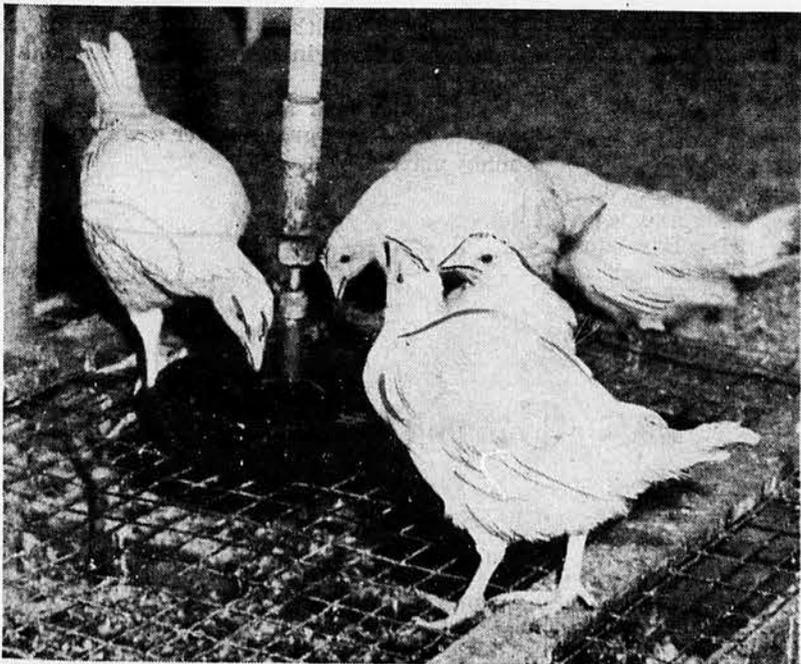
★ ★ ★ ★



DOUBLE SIZE: The Ralph Bradleys, Labette county, doubled the size of their old poultry house and put in modern ventilation system.



GOING UP: Pullets, during laying season, use this 3-story, community-type nest, which occupies small space.



NO MESS: Suspension-type, automatic waterers over raised screen nettings give Bradley chickens clean, fresh water and keep litter clean.

Farm Matters

AS I SEE THEM

I WAS much interested in a speech prepared for the Labette County Farm Bureau soil-conservation tour noon meeting at Altamont last Monday, by Willard Mayberry, of Elkhart, editor, farmer—and one of the candidates for the Republican nomination for Governor of Kansas. I have known Willard for many years, and have a high regard for his intelligence, integrity, and what they sometimes call "know-how."

Toward the beginning of his prepared speech Mr. Mayberry said:

"I am opposed to the basic principle on which advocacy of the so-called Brannan Plan seems to be based. That principle is basically dishonest in that it seems to promise what cannot be delivered. . . .

"I say to you that when someone, anyone, any group or any political party, promises:

"(1) That the Government thru the use of Treasury funds—subsidies, grants, payments—can give the farmers high incomes, and

"(2) At the same time give the consumers cheap foods, at prices admittedly below the cost of producing, processing and marketing. . . .

"I say that those who promise both of those things are promising something that cannot be delivered—except at the cost of making serfs of the farmers and paupers of the consumers."

Then Mr. Mayberry went on to say those who promise things that cannot be delivered are "unworthy to guide the destinies of a state, a nation, a people, or a community—and those who might be deluded into accepting those promises, would pay bitterly, and their children suffer miserably for the folly of their parents."

Now those are pretty sweeping charges to make against any person or any program, and I was interested to read what Mr. Mayberry had to say in backing up his assertions.

He pointed out the Brannan proposal is that farmers sell such of their commodities or products as are covered by the act in the open market at whatever prices they will bring. Meanwhile the Government would figure out what income the farmers ought to receive, on a national average, and Treasury checks would make up the difference for each farmer provided:

(1) That he had lived up to every regulation and order from the Government; and

(2) That the Congress had appropriated the necessary billions of dollars for that year.

"In other words," according to Mr. Mayberry, "the public treasury will be used to pay as big a part of everybody's grocery bill as a pressurized Congress can be persuaded to appropriate. Farmers will be dependent upon whatever Administration is in power for their incomes. Consumers will be dependent upon whatever Administration is in power for their daily bread."

And then comes Mr. Mayberry's reasoning on what would happen—his reasons for saying the seeming promises cannot be delivered, over any considerable period of time. I quote Willard Mayberry again:

"If the consumers really are to get as cheap foods as pressure groups can compel Congress to appropriate, the cost to the Treasury (the taxpayers, with everybody a taxpayer) will run into the tens of millions of dollars annually—providing Congress makes the appropriations.

"The city pressures will be toward continu-

ing abundant production and cheap prices. But as taxpayers the consumers will increasingly oppose the huge appropriations necessary to make the billions in subsidies available. Farmers comprise little more than one-fifth of the population.

"To shut down on the top-heavy drain on the Treasury, the Government will have to limit production and marketing; limit these drastically.

"To hold down production and marketing to the point where the Treasury will not be unduly burdened, it will be necessary to put every farmer under direct and absolute government controls.

"But if that is done, to the extent necessary that production is held down to the point where subsidies will not be required, then the supply will be cut down to the point where the cheap prices promised consumers just will not be that cheap.

"That is what I mean when I say the Brannan Plan seems to make promises which cannot (both) be delivered. To promise what cannot be delivered, just is not honest. So I say the Brannan Plan is dishonest—and highly dangerous."

I believe what Willard Mayberry says in regard to the Brannan Plan should be given real consideration by every farmer—and by every consumer. I will say, also, that Mr. Mayberry's thinking runs along very much in line with my own. The present farm program, based on wartime and immediate postwar conditions, will have to be amended. But I very much fear that substituting the Brannan Plan would be like jumping from the frying pan into the fire.

What About Wheat?

I FOUND a statement regarding food consumption that will be of special interest to Kansas farmers. It answers a question that has been in my mind a good deal lately. That question asks just how much food our increased population will consume. We know our population has increased. And more people will eat more food. But how much more? And what kinds? I have heard some pretty optimistic predictions, and they may be true in the long run. But with overproduction staring us in the face it looks as if we must shift part of our wheat acres over to something else.

But here is the statement from the Department of Agriculture: "There are now about 19 million more people in the United States than 10 years ago. This means a much larger market than before. But the combination of an increasing population and changes in consumption per person of particular foods has affected commodities differently.

"For instance, per capita consumption of wheat and potatoes has declined enough since prewar to about offset the effects of increased population. On the other hand, per capita consumption of fluid milk, eggs, meat and vegetables is definitely higher, resulting in a 20 to 40 per cent increase in demand over prewar for most of these items."

You will recall that consumption of food per

person in 1946 was 19 per cent above the prewar average. But in 1949 food consumption had declined to about 11 per cent above prewar. Since consumption of milk, eggs, meat and vegetables show an increase over prewar, it means wheat demand

alone took the full drop. That isn't too surprising. We know wheat acreage was increased rapidly to feed much of the world. The Department of Agriculture shows our wheat exports have averaged more than 400 million bushels a year since the war ended, compared with less than 100 million bushels in the late 1930's. With export dropping off sharply, and per capita wheat consumption at home taking a reduction, it looks as if we might be down to solid figures on the amount of wheat that will be consumed in the years ahead. If it drops off a little more per capita, the anticipated increase in population of 8 to 10 million in the next 5 or 6 years should even up the total amount of wheat consumed. That gives us the fact to work on that we must chop off our excess wheat acres and do something else with them.

Kansas farmers can feed some wheat, corn and grain sorghums and produce meat and milk second to none in quality. I realize the Corn Belt proper is being warned that instead of increasing feed grain production there actually must be a reduction. But Kansas isn't in the Corn Belt proper. And Kansas most certainly can stand more livestock on more farms to balance up our definitely unbalanced production. Certainly more livestock here will provide more competition for the Corn Belt states. But that is a good thing. Competition spurs us on to better production, better quality and may the best man win. I'm not afraid that Kansas quality will have to take a back seat for any other state.

Of course, we probably could overdo the feed grain business. But everywhere, I hear we also can go back to grass and produce top-quality beef and dairy products. Kansas is a big state and has room to turn many an acre to grass farming. If any state can do it, Kansas can.

The Department of Agriculture states that both experience of farmers and scientific experiments show grass is a profitable alternative to wheat on many farms. Furthermore, it has been shown that reseeding is a much better method of getting land back into grass than natural revegetation.

When approved methods are followed in reseeding and the weather is not too unfavorable, chances of getting a stand of grass are good, the Department states. "Once established, experimental studies indicate that revegetated pastures will carry more animals per acre than native ranges equally well managed. Reseeding pastures (on the Great Plains) have produced from 2 to 3 times the pounds of beef per acre obtained with the same system of management on virgin sod," the Department reports.

Doesn't it look as if milk, eggs, meat and vegetables—and grass—offer a way out of too many acres of wheat?

Arthur Capper
Topeka.

Brannan Plan in Spotlight as Campaign Issue

By CLIF STRATTON

Kansas Farmer's National Affairs Editor

FARM legislation considered, this session of Congress promises to be (1) for 1950 Congressional campaign purposes, and (2) preliminary studies of proposed income insurance plans and 2-price plans.

Employed farm labor may be covered in the social security program.

Commodity Credit Corporation will get increase in lending power, and will

pray that foreign give-aways and short crops will hold down surpluses.

Mid-Century farm states will be the real battleground in the coming Congressional elections. Administra-

tion forces, Democrat National Committee, and most Democrat candidates for Senate and House seats will build the campaign around support of the Brannan Plan. Republican opposition will express itself in (1) pointing dan-

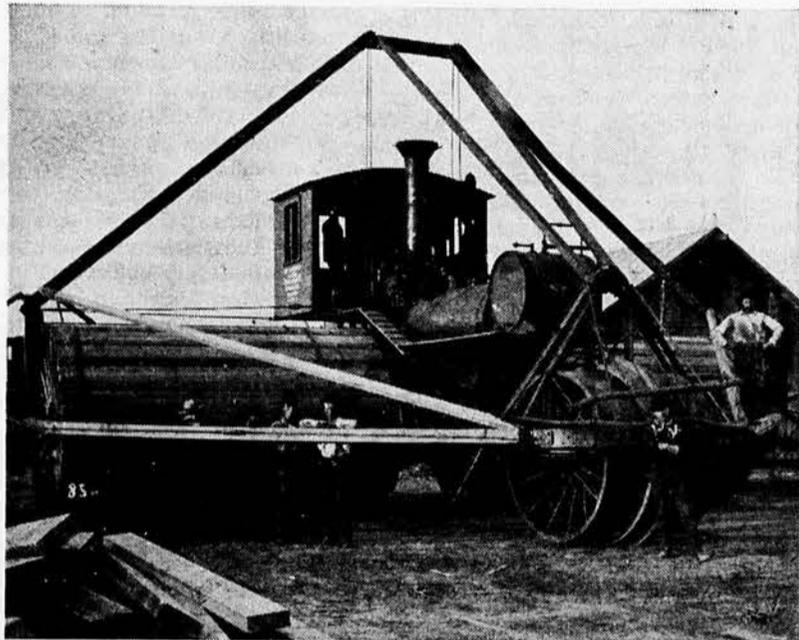
gers of food subsidies as proposed in the Brannan Plan; (2) some Republican candidates will add programs of their own of various kinds; no Republican unity on any substitute program.

President Truman's "non-political" swing thru 16 states—Maryland to Oregon—was routed carefully thru
(Continued on Page 20)

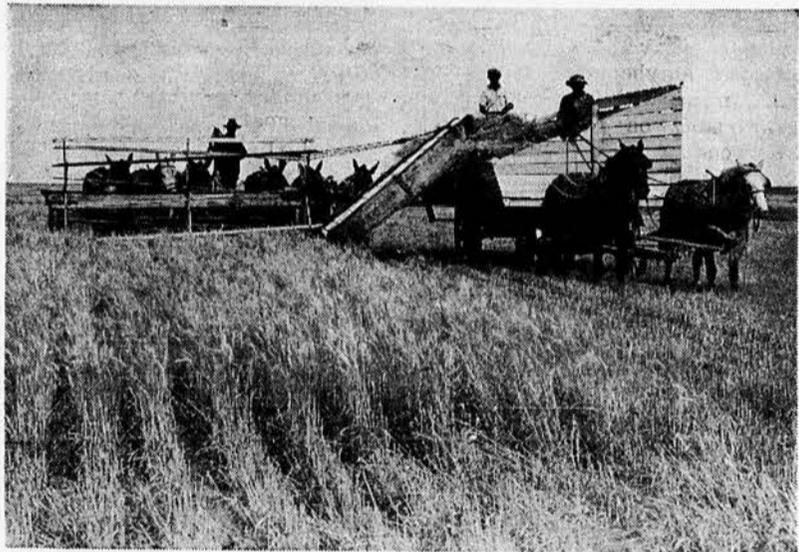
No. 9 Reviewing farming progress and looking into the future

What Has Followed The Ax and Hoe

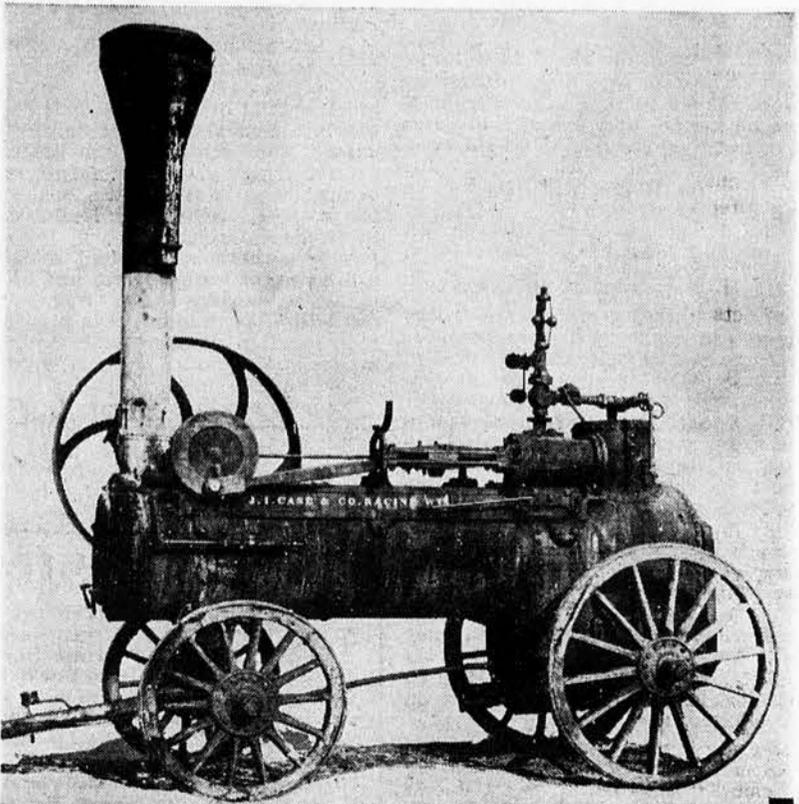
By JOHN M. FERGUSON, Extension Agricultural Engineer
Kansas State College



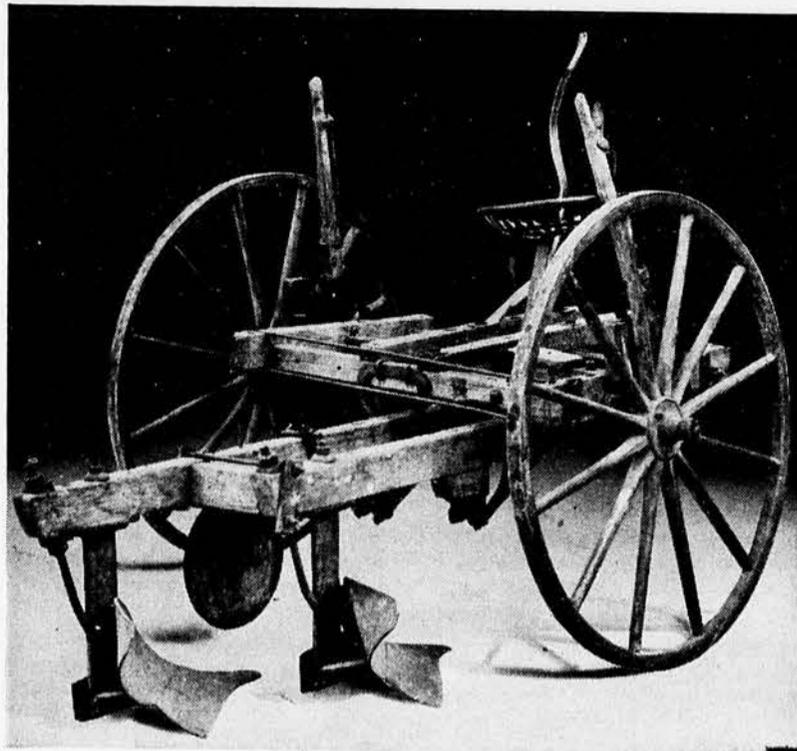
A TRACTOR built in 1900 and used for farm work in California. Compare it with your efficient machine of today.



HARVESTING WHEAT in Kansas with a header and header-barge. Does anyone in the state still use a barge for any crop?



ONE OF THE EARLIEST portable power units. A steam engine mounted on wagon wheels and moved from place to place by horses.



ONE OF THE EARLIEST horse-drawn riding plows. Use of steel and horses for power made development of this plow possible.

THE history of mankind shows a constant struggle for food, clothing and shelter. In the beginning all crops were produced and prepared by human muscles. Many centuries passed before animal power was used to relieve human beings. Discovery of iron brought about the fashioning of tools which further relieved the labor of human muscles. The transition to the modern power-farming age was slow at first. But during the last 100 years the movement has accelerated beyond the wildest dreams of our forefathers. Mechanization of agriculture can be divided into 3 great eras.

First, the period when hand tools, such as hoe and ax, were developed. Second, the period when animals were used for power, and many important animal-drawn machines for preparing land, seeding, cultivating and harvesting were developed. Third, the period since the development of the internal combustion engine, and resultant modern laborsaving machines of today.

"Planted Corn With Ax"

Peacetime prosperity and war activity always stimulate demand for farm mechanization. It has been said the corn crop of 1840 was planted with the hoe, the plow, and the ax. This is probably literally true of those areas that were being cleared of trees and opened to agriculture at that time. The Civil War and later settlement of the West accelerated manufacture and improvement of laborsaving farm machines for preparing land, seeding, cultivating and harvesting.

By 1880, many farm machines, such as hay presses, loaders and threshing machines had been developed. Many of the basic principles used in these early machines are still being used in the modern machines of today.

One of the biggest effects of mechanization of agriculture is saving labor. In 1830, when wheat was sown by hand and harvested by hand with a cradle, 55.7 man-hours were required to grow and harvest an acre yielding 20 bushels.

In 1896, with use of the horse-drawn drill and binder, it took only 8.8 man-hours.

The third great era in farm mechanization has occurred primarily during the last 50 years. Adoption of laborsaving machinery, made possible by extensive use of mechanical power, undoubtedly has been the outstanding feature of American agriculture.

The first really successful internal combustion engine operating on the 4-stroke-cycle principle was developed in 1876, and the first successful Diesel-type engine was developed in 1898. From 1876 to 1900, several types of movable power units were developed, but none were too successful.

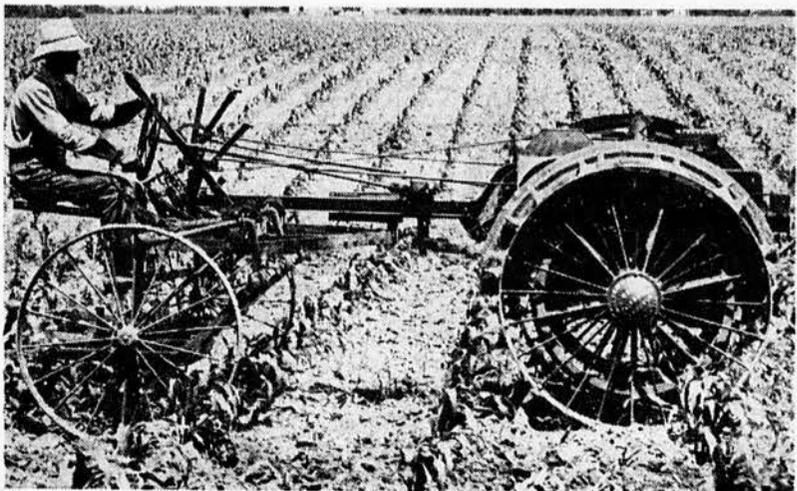
Tractor Worked 17 Years

Earliest report of a tractor being sold to a farmer for farm work was in Iowa in 1902. It has been reported this tractor worked 17 years. From 1908 to 1920, many companies entered the tractor field, but nearly all perished before, or very soon after, going into production. Probably the darkest days in the life of gasoline tractors was the period just prior to World War I. It is quite probable the war created demand for tractors and kept their development from being set back many years.

Prior to the First World War, tractor power was confined almost entirely to plowing and to belt work. Farmers still had to keep horses for other work. From 1916 to 1918, several major companies realized the field for tractor use must enlarge into other classes of farm work. As a result a wide variety of tractor-mounted and tractor-powered tillage, seeding, and harvesting machines were developed. They led the way to development of the general-purpose-type tractor in 1923. This tractor slowly proved its ability to cultivate nearly all row-planted crops and actually started the displacement of horses and mules for farm work.

During the next 6 years (from 1923 to 1929) the number of tractors on

(Continued on Page 22)

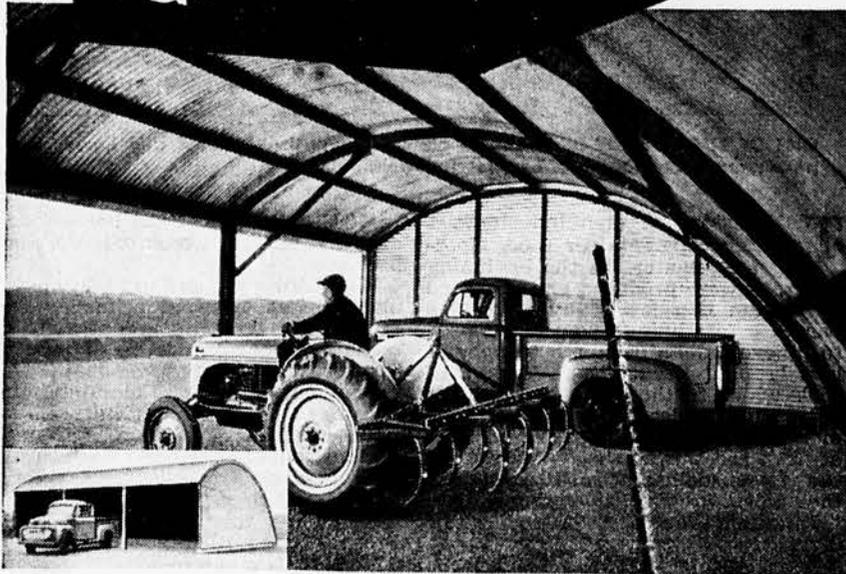


ONE OF THE EARLY ATTEMPTS to develop a row-crop tractor. Did you ever use one of these on your farm?

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*Patented and produced by Great Lakes Steel Corp.

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Central Steel Building Co.
1340 Burlington
North Kansas City 16, Missouri
(Distributor)

North Central Steel Company
202 East Washington Street
Osborne

Tri-State Building Supply Co.
415 Commerce Building
Pittsburg

John S. Notestine Company
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Scott City

Kansas Industrial Products Co.
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Thoughts TO LIVE BY

Peace Within

TO RECEIVE a bequest is a joyous matter indeed. It comes as a stroke of good fortune. No work is required. It simply is a matter of being the right person.

Inheritances differ in size. Some are large, others are small. And some are composed of property, while others are in cash. Most of them, however, consist of material things. Yet one of the greatest bequests of all time was a spiritual element left by the Nazarene in such a quantity that all who will may partake of it. "My peace," he said, "I give unto you."

What he has offered, men have sought after. The craving for it is so great some people have explained the popularity of Rabbi Joshua Liebman's book "Peace of Mind" on the appeal of its title. This peace which Jesus offered is neither placidity nor security. He wept over the city of Jerusalem and the course it took. In the temple area, he engaged in a mortal conflict with the established powers. Jesus did not die in bed, nevertheless he bequeathed his peace to his disciples.

An artist once painted his conception of peace. Beside a turbulent waterfall, there grew a tree. In the branches of that tree, just above the spray, there was a bird's nest. Despite the rush and roar of the water, the mother bird sat calmly on her eggs in the nest. That is peace, the only kind we can ever know. We cannot escape from this world of speed and confusion, but like the bird we can be at peace in the presence of

the rush and roar of life. Altho we speed thru our activities like a cyclone, we too can have a place of central calm.

Peace is the product of an integrated life. All drives and loyalties must be brought under one master. Many people are too virtuous to enjoy vice and too vicious to enjoy virtue so they never know peace. In the Garden, Jesus sweat as it were great drops of blood struggling to discover what the divine will was. After that was known, he yielded himself to it so completely not even Pilate's court nor the manhandling of the soldiers could destroy his calmness.

Peace also is the product of right relationships. Being on good terms with God is one requirement. Peace does not come to men in the far country nor to those at home who wish they were in the far country. It comes only to those who will live in the proper filial relationship. "Thou wilt keep him in perfect peace," wrote Isaiah, "whose mind is stayed on thee."

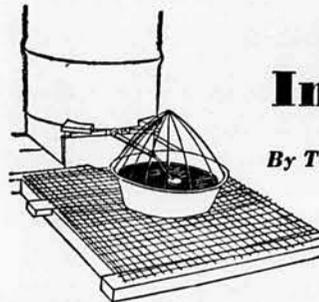
And peace is the product of adequate resources. We have economic peace when our income is larger than our expenses. Peace exists in a community when the will and strength of law and order exceed the power of crime. And when we are individually surrounded by adversaries and anxieties, peace will be our portion if the eyes of our spirits are open so we can see that the mountains round about us are filled with friendly chariots of fire.

When we find peace within we will better be able to contribute to peace without.

—Larry Schwarz

Growing Pullets Into Healthy Layers

By TOM AVERY, Department of Poultry Husbandry,
Kansas State College



THERE is a tendency to relax a little in care of pullets after they are moved to range. True enough, once on range, they usually are less labor, but they should not be neglected. A little extra care with pullets while they are on range will pay off in healthier layers next fall.

It is advisable to start pullets inside. But nothing can take the place of good, clean range during the growing period. If weather permits, move pullets to range when they are 8 to 10 weeks old. Any males to be kept as breeders should be reared separately.

Pullets do not need a great deal of special care during the growing period, but there are a few requirements that are absolutely essential. Certainly an abundance of clean range cannot be overlooked. Proper range management not only means stronger pullets, but offers an excellent opportunity to cut growing costs. If properly managed, it is possible to have green range during the entire summer. A system of management where birds are moved to clean range each year offers the best opportunity to grow healthy birds. Clean range is defined as ground that has not had poultry on it for at least 2 years.

Ideal range is well isolated from adult birds. Few diseases are carried from growing stock to old hens, but many diseases and parasites are carried from old hens to pullets. Some diseases, such as fowl paralysis, may be transmitted to young pullets from

adults but does not show up in pullets until they are in the laying house some months later.

A sandy loam soil with a gradual slope is most desirable range. No soil that stays damp or permits water to stand should be used. Shade is desirable, but trees should be trimmed high enough that some sun can reach the ground. Thick growth of shrubs is undesirable, as it affords an ideal cover for predators and makes it difficult to locate dead birds.

Where there is sufficient moisture, a mixture of brome grass and alfalfa makes a suitable range. Where rainfall is limited, Sudan grass planted in rows leading out from the range house makes good pasture, especially during mid- and late-summer.

Young, succulent, tender grass is not only more palatable to poultry but is much more nutritious than older plants. Frequent mowing of the range

(Continued on Page 11)

Do You Live in Dread of . . .

Surgical Operations?

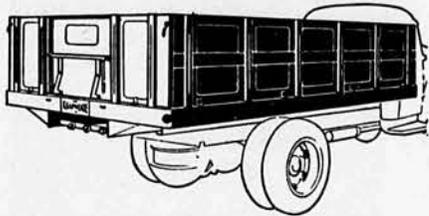
Doctor Lerrigo has issued a special letter, "Hints About Surgical Operations," that will be sent to subscribers upon request. If you desire a copy, be sure to send stamped reply envelope addressed to yourself. Send your request to Editor, Kansas Farmer, Topeka, Kan.

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Leading users keep sending letters like these:

"A year ago we were having so much udder trouble (mastitis) that we were planning to go into a mastitis control program. After using the Marlow Milker a short time the udder trouble cleared up."

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"I am well pleased with the Marlow Milker, have had no mastitis since installing it. Easy cleaning is a good feature. I like it the best of any machine I have seen. I am glad to recommend it to anyone."

Peter Bancroft, Coleman, Wis.



J. C. says:

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Dept. K Mankato, Minn.

Send me FREE—"What Leading Dairymen Say About the Marlow Milker" and "40 Years a Milker Man."

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City _____ State _____

encourages new growth and allows the sun to penetrate to the ground.

There is no one best way to feed pullets on range. Important thing is to see that birds get sufficient protein to maintain steady growth. A good, green range goes a long way toward balancing a ration but it cannot do it all. The feed and feeding program are just as important.

If you purchase mash, it is advisable to follow the feeding program recommended by the manufacturer. Feeders should be constructed to allow a minimum of waste. Where open-type feeders are used, it usually is desirable to fill them only half full. This minimizes waste. It may require a few more feeders, but feed saved will soon pay for them. Wet or moldy feed should not be allowed to remain in feeders.

Running water with some type of automatic float is a great labor-saver. All waterers should be placed on wire platforms. This helps minimize damp soil usually prevalent around waterers. Dampness encourages diseases and parasites. Worm infestations are much more likely to occur when poultry is permitted to range where there are permanent damp spots in the soil.

Moving range shelters from one spot to another is good management. It helps preserve range by not overgrazing in certain spots, and aids in preventing diseases from getting a foothold.

Keep Wheat High In Quality

KANSAS still grows the best wheat in the world. And the Kansas Wheat Quality Council intends to keep it that way. Intends to keep Kansas growing quality wheat and seeing to it that the crop reaches market in good condition, too.

This wheat quality council was born earlier this year during the annual meeting of the State Board of Agriculture. May 23, a campaign report meeting was held in Topeka to evaluate results of a few months work. More than 40 representatives from every phase of the Kansas wheat industry were present.

Initial step in the campaign of the council has been an all-out war against weevil. Working with the press, radio, Extension division and other farm agencies, the council report indicated that no one in the state connected with the wheat industry could possibly have missed the campaign against wheat weevil.

Actual results cannot be measured until after the wheat moves to market. But indications are that DDT sales in the state were stepped up tremendously this spring, and apparently much of this DDT was sold for use in ridding wheat bins of infestation before the new crop comes on. That one step, controlling wheat weevil, can mean much in keeping Kansas wheat at the top of the ladder.

But the wheat quality council is not restricted to weevil control alone. That is just a beginning. Wheat research still is an open field. And the council is intent on supporting more research into better wheat varieties, more efficient production methods. And finally, better handling methods.

Wheat is human food. The Kansas Wheat Quality Council wants wheat to be grown, marketed and processed in such a manner that it will continue to be acceptable as human food.

Seed Demand

Land being taken out of production because of production controls might well be used to produce red and sweet clover seed, say Kansas State College agronomists.

There is a demand for clover seed and these legumes also will build up the soil.

Plan a Square Dance

If you haven't ordered the booklet, "Let's Square Dance," we have a limited supply on hand. Contents in the 30-page booklet: "Some Background to Today's Square Dancing," "Square Dance Costumes and Customs," "So You'd Like to Plan a Square Dance," "Hints for More Square Dance Fun." Please order from Farm Service Editor, Kansas Farmer, Topeka. Price 3c.



Railroads make Good Neighbors

It's true, of course, that America's railroads literally border hundreds of thousands of American farms, but what really makes farmers and railroads neighbors is their dependence on each other. Farmers supply railroads with a large part of their freight business—and railroads, in turn, serve the farmers—assembling in major crop areas the great fleets of cars required for the dependable movement of the huge production of today's progressive agriculture.

To speed and improve the handling of freight of all kinds, the railroads in the last five years alone have spent more than four billion dollars for modern locomotives, new freight cars, heavier rail and new signal and yard facilities. All these mean better service to all railroad customers, and especially to farmers.

In providing the vital transportation the nation needs, the railroads build and maintain their all-steel highways entirely at their own expense. What's more, on all their property they pay taxes which benefit every community they serve. In thus sharing materially in the cost of schools, courts and other local government services in rural areas, as well as in towns and cities, the railroads are indeed good citizens and good neighbors.

ASSOCIATION OF AMERICAN RAILROADS

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Listen to THE RAILROAD HOUR every Monday evening on NBC.



LLOYD BURLINGHAM'S
**SKELGAS
FARM REPORTER**

Food Surpluses No Real Problem

WHY DO WE have a "chin-on-the-chest" attitude toward food surpluses? If we have half the know-how we boast about, we can handle them. We've licked plenty of difficulties bigger and tougher than this one!

Step up the program to put more land in grass, less in grains. Increase production of meat, milk and eggs. Oil up our distribution machinery, get food where it will do the most good. To foreign lands? To some extent, but mostly right here at home.

This is a fact: in the whole history of the human race, no nation ever used too much meat, milk, eggs and fresh fruits and vegetables. Increase the use of these foods by 10% and we'll have healthier, more vigorous Americans... and there'll be no surplus.



SKELGAS IS KIND TO BUDGETS!

You actually spend only a FEW PENNIES A DAY for modern Skelgas cooking, water heating, refrigeration. Because a little Skelgas goes a long way, it's the *thriftest* home fuel you can buy—and the best! Let your Skelgas dealer prove it—see him NOW!

SKELGAS Families' Favorite Recipes

HAWAIIAN CHICKEN

- One 4-pound chicken cut in pieces
- 1/4 cup fat
- 2 cups boiling water
- 1 medium can sliced pineapple

Dredge chicken with flour and salt. Brown in hot fat. Add boiling water and simmer one hour. Add pineapple, juice and all, and simmer until chicken is tender. Arrange chicken and pineapple on platter and cover with gravy made as follows: Mix 3 tablespoons flour to a little cold water and add to stock in which chicken has cooked. Cook, stirring constantly, until of desired thickness.

Serve with browned sweet potatoes and baked apples sprinkled with brown sugar. Serves 6 to 8 people.

From Mrs. Agnes Robison, Route No. 2 Fairmount, Indiana

Send your favorite recipe! None can be returned, but if yours is published, you win \$5! Send it TODAY! Address Dept. F-650.



HINTS for House and Garden

Keep a box of baking soda in the dashboard compartment of your car to keep a small fire from getting out of hand. Soda poured on a small blaze will safely put it out.

Add a couple pieces of stick cinnamon to the cooking liquid of prunes to give them an especially delicious flavoring.

Make your June bouquets last longer! Pick flowers in late afternoon or evening. Leave them "up to their necks" in a bucket of water all night, in a cool place.

Take a plain wire coat hanger and bend the ends down. You'll have two ideal under-hooks for slips, belts and ribbons, and a neat junior-size hanger.

For bushier plants and more flowers, pinch out the growing tips of young annuals before they are 6 inches high.

KEEP UP WITH THE NEWS!

Every Saturday, listen to *Lloyd Burlingham's* farm news and weekly Skelly Agricultural Achievement Award winners. Mondays thru Fridays, tune in *Alex Dreier*, top-flight news analyst. Your NBC station, 7 a.m. (Chicago 6:45, Denver 7:30).

Homemaker Thrilled with New Skelgas Constellation

Barbara Miller, Route 1, Humansville, Missouri, enjoys the real thrill of cooking on her mother's new Skelgas Constellation range. And, the whole Miller family enjoys the comfort and freedom of Skelgas since theirs is a completely equipped Skelgas home.

Many thousands of other families like the G. O. Millers of Humansville have for years had luxury with thrift the Skelgas way for cooking, water heating and refrigeration. And now, Skelgas offers the Constellation Series... America's newest and finest ranges. It will pay you to see them soon.

New President of Kansas State College

ALMOST in one breath, folks around Kansas State College are going to be saying goodbye to Milton S. Eisenhower, and saying hello to his successor as president of Kansas State College, Dr. James A. McCain.

It was a "scoop" for The Topeka Daily Capital when, on May 23, the paper printed a front page story saying that Doctor McCain, until then president of Montana State University, Missoula, Mont., would succeed Eisenhower as president of Kansas State.

McCain, 42, has been head of Montana State U. since 1945, when he was released from the Navy. Prior to his Navy service he had been on the staff of Colorado A & M for 13 years. Doctor McCain received his A. B. degree at Wolford College, Spartanburg, S. C., his masters degree at Duke University, and his doctor of education degree at Stanford.

In addition to his educational work, Doctor McCain is author of several books and articles, a member of the National Council of Boy Scouts of America, member of Rotary International, the American Psychological Association, Pi Delta Epsilon, journalism honorary fraternity; Iota Lambda Sigma, industrial education honorary, and Sigma Upsilon, literary honorary.

Mrs. McCain is the former Janet Henry, of Ft. Collins, Colo. The McCains have a 5-year-old daughter, Sheila Janet.

George A. Selke, Helena, Mont.,

chancellor of the Montana University System, said that McCain is an outstanding educator. "Doctor McCain possesses character, personality and ability," Chancellor Selke remarked. "Montana is losing the services of an outstanding educator who won the confidence and regard of students, faculty, and the citizens generally of Montana."



Dr. James A. McCain
New Kansas State College president

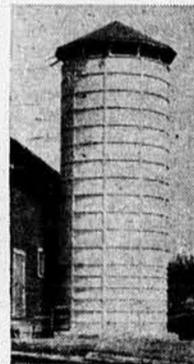
Have you heard—?

Notes on New Products and Folks Who Make Them

IT IS PERHAPS singular this week's mail contains information from 2 agencies apparently interested in plywood. One item was sent by the Douglas Fir Plywood Association in Tacoma, Wash., and included a 28-page booklet showing uses of plywood in building on the farm and in the home.

The booklet contains basic "how-to-do-it" information, complete with photographs, charts and details. There is a 10-cent mailing charge.

The other item was a group of photos from Monsanto Chemical Company, St. Louis, showing several farm buildings constructed of plywood. Monsanto is a major supplier of plywood glues and one of the photos caught our fancy, that of a silo. We are reproducing it here for your inspection.



We spoke some time ago of a tractor or trailer light arrangement. Since then, another development in this line is being offered by the Creager Mfg. Co., of Arvada, Colo. The device is mounted on a tractor, truck, jeep, car or any other vehicle. One of 2 sealed-beam units is attached to 35 feet of drum-wound cable. It can be used as a remote work light or attached to a trailer (using a snap-on red lens) as a tail-light. Other uses for the unit include warning lights, field repair lights, for night farming, farm yard lighting, and headlights.

And now, a 24-ounce torch which uses a new type of fuel packaged in a disposable can is on the market. The device delivers a clean, blue, hot flame, we are told, of more than 2,200 degrees without pouring, pumping or priming. It is the invention of 31-year-old Louis A. Falligant. He envisioned a torch that would eliminate refilling problems, be turned on and off without priming, be

low-cost, and provide safety for novice operators. He worked with Phillips Petroleum Company to develop a safe, self-pressurizing and self-vaporizing fuel. Crown Can Company developed the container.

The torch also is Falligant's invention. So now farmers can perform a number of tasks requiring heat, blacksmithing, soldering, removing paint, singeing pinfeathers, loosening bolts and nuts. When the can is empty, throw it away and put another in its place in a few seconds. Incidentally, the fuel is being manufactured under the name "Prepo" by Pressure Products Corporation of Chicago.

An LP Gas torch with a cartridge refill is being offered by Otto Bernz Company of Rochester, N. Y., with interchangeable burners designed to suit special needs. There are, of course, no hose connections or heavy tanks to drag around—and both are toolbox items.

Success stories are good; and stories that tell of success thru ingenuity and hard work usually are better. A recent Belsaw Bulletin, quarterly publication of the Belsaw Machinery Co. of Kansas City, tells of 2 Kansas City ex-GI's who pooled resources to help each other build additions to their homes and ended up in the sawmill business.

W. D. Compton and C. J. Lear are the subjects in the case. They each had pressing need for more living room, so they bought a Belsaw mill. Then they bought a truck to fetch the rough lumber they needed. Later they heard of a farmer willing to swap timber for lumber so they conceived a mobile unit.

By mounting wood beams 18 feet long on an ordinary farm wagon, and in turn mounting the Belsaw unit on that, they took their mill to the timber, removed the wheels, attached steel anchor shoes, and went to work, all within a couple of hours. It's an inspiring story of what thought and sweat can accomplish.

One of the biggest elective honors in U. S. business has come to this part of the country. It happened to Tom Staley, general manager of Staley Milling Company, Kansas City, who recently was elected chairman of the board of Amer-

(Continued on Page 13)

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ican Feed Manufacturers Association, Inc.

A Nebraska concern, Timberlock Corp., Hastings, is introducing a conversion unit that doubles the grain- and stock-hauling capacity of a standard pickup truck. It is made of what they term the finest quality edge grain fir, is available for every make and style of pickup truck, and requires no installation cost.



We heard the other day of a new Dearborn tool for the farm implement line. It is called the Dearborn Subsoiler, and is essentially a chisel for opening a channel thru the hardpan. It will operate to a depth of 15 inches, yet will clear the ground by 9 inches, and the chisel point is reversible, thus doubling the utility.

It may be if you are contemplating building construction of some sort the Clay Utility Window might fit into your plans. This product of the Clay Equipment Corporation, of Cedar Falls, Ia., comes in 2 parts which can be used separately or jointly as a basement window, stationary window, or as a combination of the two.

This year is the golden anniversary of the Coleman Company, pioneer Kansas manufacturing concern founded by a Kansas farm boy, W. C. Coleman. The Wichita organization has grown from a one-man company to a 30-million-dollar-a-year enterprise, due largely to the guidance of its founder, who celebrated his 80th birthday on May 21.

Chief products have been the famous Coleman lamp and the Coleman stove, gasoline-fueled devices that light countless thousands of homes and heat many a meal thruout the world. The company was a primary supplier of such equipment to the armed forces during World War II.

Minneapolis-Moline took special note of its southwestern division in a recent issue of its regular company news magazine, "The Merchandiser," with emphasis on Father-and-Son teams operating M-M dealerships.

Fourteen family groups in Kansas were presented, including Forest and Lavere Walker, Johnson; Charlie and Raymond Siegrist, El Dorado; Ernest and Clinton Swisher, Greensburg; Carl and Norman Link, Chase; Charles and Charles Carney, Marysville; O. M. and Jack Jorgensen, Manhattan; Fred and Jewell Swisher, Pratt; Joe, Darrel and Howard Van Tieghem, Coffeyville; George and Edwin Tryon, Wellington; George and Wayne Hiser, Iola; Henry and Howard Alexander, Junction City; Lawrence, Dale and Glen Rich, Emporia; C. E. "Rich," Dwayne, John and Lloyd Wilson, Lawrence; and Dave, Orrin, Jack and Harold Gould, Concordia. The latter is a grandfather, father and sons team.

Coming Events

- June 4—Riley county, last day of 4-H Round-Up, Kansas State College, Manhattan.
- June 5—Riley county, agronomy field day, Kansas State College.
- June 5-6—McPherson county, crop and soil tour.
- June 6—Cheyenne county, dairy meeting, St. Francis.
- June 7—Shawnee county, crops tour.
- June 8—Cherokee county, wheat field day, Columbus experimental field, 1 mile west, 2 miles north of Columbus.
- June 8-9—Riley county, crops day, Manhattan.
- June 8—Jewell county livestock day, with M. B. Powell.
- June 8—Pottawatomie county crops and soils tour.
- June 12—Kearny county garden tour.
- June 12—Cloud county, crops and soil conservation tour, with Luther Willoughby and Harold Ramsour.
- June 12—Graham county, small grain field day, with Frank Bieberly.
- June 12—Barton county, home improvement judging, Great Bend.
- June 12—Southwestern Regional Chicken-of-Tomorrow contest, Shawnee, Okla. H. G. Ware, extension poultryman, Oklahoma A & M College, Stillwater, chairman.
- June 13—Washington county, beef meeting, with M. B. Powell.
- June 13—Rooks county, district 4-H poultry judging school, with M. E. Jackson, Stockton.
- June 14—Lincoln county, field crop tour.
- June 14—Scott county, garden tour, with Dell Gates.

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Early season application along fence rows, roadsides, and field margins will provide effective control and prevent destructive grasshopper migration into field crops.

Remember too — early season applications of **CHLORDANE** require a lesser amount of actual insect toxicant per acre.

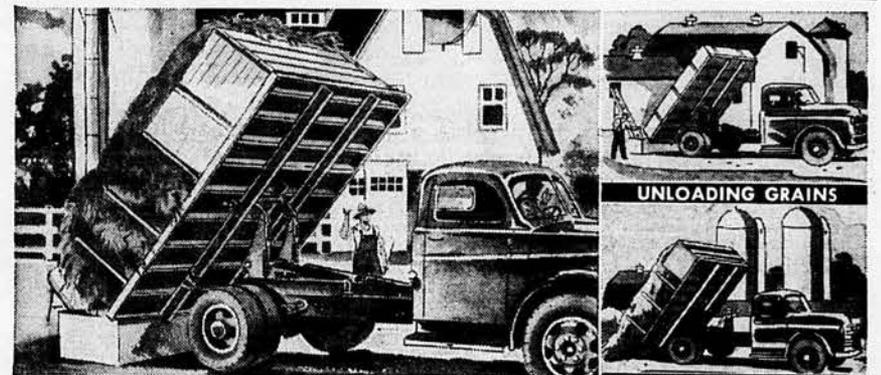
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Coffeecake and Rolls

Easy Come and Easy Go

By Florence McKinney

HOT, sweet, tender breads are the kind with the spread "baked in." So good are they to eat and so easy are they to make we recommend them for all year around. You can make caramel pecan puffs with the melting goodness of brown sugar and the rich flavor of chopped nuts, even better than those in the window of your favorite bakery shop. With a ring mold to bake in, you can turn out a coffee ring that will surprise your most exacting company.

Start all these recipes with a basic beaten batter. Then go from there to make your choice for the week.

Basic Beaten Batter

1 package yeast, dry or compressed	1 teaspoon salt
1/4 cup lukewarm water	1/2 cup melted shortening
1 cup milk	1 egg
1/4 cup sugar (beet or cane)	3 1/4 cups sifted enriched flour
	1/2 teaspoon vanilla

Soften yeast in lukewarm water. Bring milk to boiling point and cool to lukewarm. Add sugar and salt to milk. Sift flour, measure 2 cups and add to milk mixture. Beat well. Add egg, softened yeast and vanilla. Beat well. Stir in shortening. Add more flour to make a stiff batter (total about 3 1/4 cups). Beat thoroly until smooth. Cover and let rise until bubbly (about 1 hour). Use with different toppings to make puff rolls and coffeecakes which follow.

Caramel Pecan Puffs

1/2 recipe basic beaten batter	2 tablespoons melted butter
1/2 cup brown sugar	1/2 cup pecan halves

Prepare muffin pans by putting 1/2 teaspoon melted butter in each. Cover with about 2 teaspoons brown sugar. Sprinkle with a few drops

water. Arrange 3 or 4 pecan halves in each. When basic beaten batter is light, stir down. Drop by spoonfuls into prepared muffin pans. Let rise until light (about 30 minutes). Bake in moderate oven (375° F.) 20 to 25 minutes.

Let the rolls stand in the pan for about 1/2 minute after removing from oven. If they are allowed to stand longer it may be difficult to remove from pan. Should they stand longer, set them back in oven for a few minutes to soften the sirup in bottom. Otherwise nuts and sirup may stick to pan instead of rolls.



USE RING MOLD: Coffeecake in a ring mold is company fare. Top with sugar, and cinnamon and when baked drizzle with confectioners' sugar icing.



FAVORITE PECAN ROLLS: Pecan halves, brown sugar and butter in bottom of muffin tins make the ideal easy-to-make rolls, the favorite of your family.

Coffee Ring

1/2 recipe basic beaten batter	1/4 cup fine bread crumbs
1/2 cup raisins	1/4 cup sugar (beet or cane)
1/4 cup enriched flour	1 teaspoon cinnamon
1/4 cup butter	

When basic beaten batter is light, stir in raisins. Drop batter into greased 9-inch ring mold. Combine flour, bread crumbs, sugar, cinnamon and butter. Mix until crumbly and sprinkle over batter. Press it down fairly firmly. Let rise until light (about 30 minutes). Bake in moderate oven (375° F.) 30 to 35 minutes. When it has cooled, make a thin confectioners' sugar icing and drizzle it over the top. This will hold the topping firmly in place and add a party look as well.

Marmalade Coffeecake

1/2 recipe basic beaten batter	2 tablespoons melted butter
	1/2 cup orange marmalade

Prepare 8-inch square pan by spreading with melted butter and marmalade. When batter is light, stir down. Spread over marmalade in pan. Let rise until light (about 30 minutes). Bake in moderate oven (375° F.) 30 to 35 minutes. Turn out upside down.

Orange Marmalade Swirl

1/2 recipe basic beaten batter	1/2 cup orange marmalade
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When basic beaten batter is light, stir down. Spread in greased 9-inch round pan. With floured fingers make depressions in batter in shape of a round swirl. Fill depressions with marmalade. Let rise until light (about 30 minutes). Bake in moderate oven (375° F.) 30 to 35 minutes.

Sugar Plum Coffeecake

1/2 recipe basic beaten batter	12 sweetened cooked plums
2 teaspoons cinnamon	1/2 cup brown sugar

When basic beaten batter is light, stir down. Spread in greased 8-inch square pan. Arrange plums on batter. Let rise until light (about 30 minutes). Sprinkle with mixture of cinnamon and brown sugar. Bake in moderate oven (375° F.) 30 to 35 minutes.



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But if you *do* rinse, CHEER's your best bet for a cleaner wash than you'll get with any soap—any other type of washing product.



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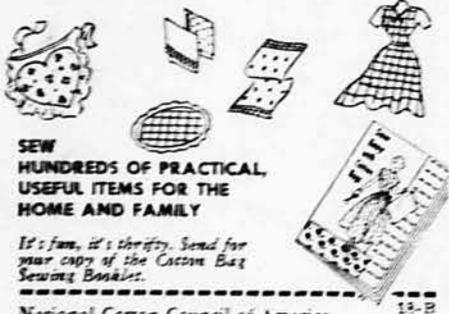
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 ...they're worth
 25¢ to 50¢ each!*



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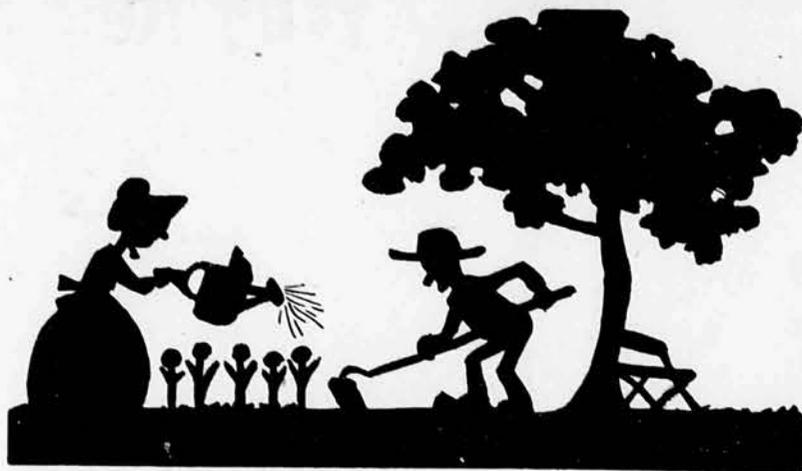


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Farmer Brown and his wife (what a pity!)
 Gave up farming and moved to the city.
 Now they work twice as hard
 In their little back yard,
 Raising flowers to make it look pretty.
 —By Margaret Whittemore.

Convert Old Sewing Machine

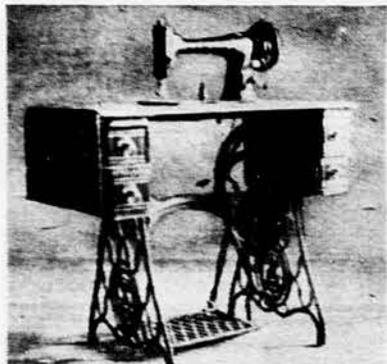
HAVE you pushed your old treadle sewing machine into some unused corner or carried it to the attic or basement? With all the beautiful, new electric models on the market, few homemakers cherish an old foot-powered machine these days.
 But wait, don't call the second-hand man, yet! Your treadle machine can be transformed into something very useful, for hidden in its metal framework is the material for an attractive plant or fruit table.

To make this new table, the machine must be taken apart. Since its metal and wooden parts are held together by

rods in order to make a sturdy table. Two rods, 24 inches long and 7/16-inch in diameter were used in the table illustrated.

You may paint the metal base of your transformed table unless you prefer its original antique finish. The final step is to arrange for the glass top. Have a piece of plate glass cut about 16 inches wide and 48 inches long.

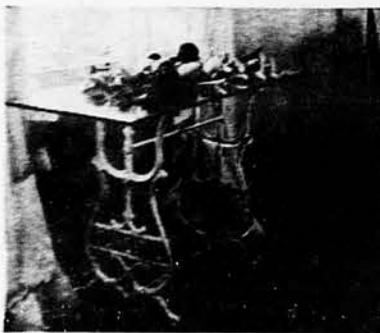
Now, your new glass-topped table will attract attention from everyone who sees it. By a window it is ideal for potted plants or cut flowers in your prettiest arrangement. If you decide to leave the treadle as part of the base, place a bright bowl of fruit there as an added touch of color.—By Charlotte H. Collins.



A WHITE ELEPHANT: Don't let an old sewing machine like this clutter up your attic.

bolts and screws this can be done easily. The wooden drawers should be unscrewed and removed along with the board which holds the head of the machine and the folding sidepiece. This will leave only the metal leg-end supports, treadle and flywheel intact.

The flywheel and treadle then can be unbolted with a wrench and taken out. However, if you wish, you can leave the treadle bolted to the metal



MAKE IT OVER: It can be made into a table for your gayest potted plants or bouquets.

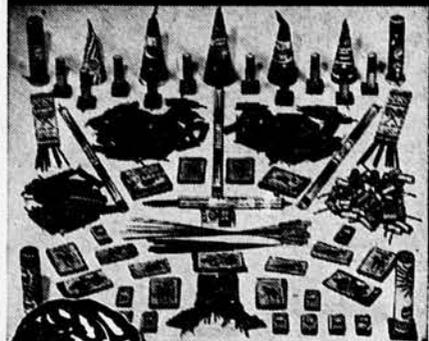
legs of the machine so it serves as a connecting bottom support for your table. A metal rod should then be welded between the upper portion of the 2 end supports. This rod usually can be fitted into the holes where the flywheel was formerly attached.

If you remove the treadle as well as the flywheel, fasten the leg-ends together at top and bottom with metal

When Buying New Pans

The day of pots and pans with flared sides is over, along with the old wood and coal range. They were made when there was space to spare on top the stove. Modern stoves call for straight-sided pans. And, too, flared sides cause waste of heat and uneven cooking. And look twice at the cover. It should fit tightly, for modern methods call for very little water when cooking most vegetables. Tight lids keep the steam in the pan.

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If you are planning a party for the young son or daughter, our leaflet, "Balloon Birthday Party," will help you. It suggests games and refreshments suitable for little children. Please address your request to Entertainment Editor, Kansas Farmer, Topeka. Price 3c.

Frozen Juices Popular

Few new food products can match the output and sales record of frozen concentrated orange juice. In the 4 years since it has been made commercially, the output has increased almost 50 times. The concentrated frozen juice is packed in small cans and is about 4 times the strength of fresh orange juice. A new outlet for this country's apple crop is frozen concentrated apple juice, likely to be in our grocery stores after the apples are ripe this year.

Be wise: CAN with CANE

western women favor



Your fine canned fruit deserves it!

Find Minutes and Save Energy

THAT old saying, "Only the lazy sit to work," was discarded in the factory long since. Fine new home equipment in the kitchen is part of the answer, but not all, for energy saving takes planning.



The least energy of all

To begin with, lying down takes the least energy of all. Just sitting up takes four times more. No wonder the convalescing hospital patient spends most of her time lying down; the sitting-up stage postponed until the energy accumulates. But that's a mere beginning . . . from there on everything we do requires more and more energy. Therefore, a simple obvious rule for saving strength in housework is to sit to do all lengthy jobs which may be completed in one place. Standing, just standing doing nothing takes 14 times more energy than sitting. Older women, heavier women and those not physically up to par are undoubtedly most in need of sit-to-work arrangements, but even the strongest can profit by saving energy.

Dozens of energy-saving ideas will come to mind as you work. Moving working equipment to the places where it is most used will be of major importance. A second set of cleaning supplies on the second floor will save energy. It's bad enough after 40 to walk upstairs empty handed . . . worse to carry heavy cleaning supplies. Take bending over, too. It takes 55 times as much energy as lying down. More, bending over than stooping with one knee bent. To make a long story short, the energy-wise homemaker builds as much storage space at body level as possible. That

eliminates stretching too tall and bending too low. Women have long reported that ironing is their most tiring task because of the long hours of standing. Yet they continue to iron on foot because they are convinced it makes the job go faster. This is true only if the board is

the wrong height for sitting. Adjustable boards are on the market, those adjustable up and down and even boards that by pressing a button or lever, the ironing surface slips both to the right and left, all while you're sitting, mind you . . . no need to move the chair to iron the neck of the dress or the tail of the shirt.

And speaking of bending. There are two ways to hang clothes on the line . . . a wrong way and the right way. Stooping over to pick up clothes is a back-breaking business, not to mention the matter of saving energy . . . 55 times as much as lying down.

It's easy to remedy, one of the easiest. Set the basket on a bench or in a cart. As easy as that.

A tool box with dividers and a convenient place to keep it, not floor level nor on the top shelf of the porch cupboard, this too will save energy.

Ever use a seed apron? Now that gardens are producing, use an apron with huge pockets to hold either seed or vegetables. It eliminates the basket to carry on your arm. That leaves both hands for planting and picking.

Throw out the tall kitchen stool . . . that one that used to be considered the last word in laborsaving. It left you without back support and feet dangling. Look for the easy way. Use your head to save your back.

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Why Red Star SPECIAL-ACTIVE Dry Yeast

gives you best results

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SPECIAL ACTIVE RED STAR KEEPS FRESH FOR MONTHS RIGHT ON THE PANTRY SHELF

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... NEVER FAILS TO GIVE ME LIGHTER, BETTER TASTING BAKED GOODS

... STARTS WORKING THE INSTANT YOU ADD WARM WATER

FULL RISE IN LESS TIME

RED STAR QUICK RISING DRY YEAST SPECIAL ACTIVE

Get a supply of Red Star Special Active Dry Yeast today. You'll find that Red Star will save time in all your recipes. As for flavor and texture of baked goods made with Red Star, just let your family be the judge.

State Capitol Started

The east wing of the statehouse was started in 1866 at a cost of \$290,000 and 10 sections of land that sold for \$8,000. This wing was built of stone from Geary county and the other 3 wings of stone from Cottonwood Falls. The east wing was completed in 1873.

Apricot Marmalade

If you are running low on spreads try this marmalade made of year-round fruits. There's no locally-grown fresh fruit required.

- | | |
|-------------------------------|---|
| 1 pound dried apricots | 1 orange, ground |
| 1 No. 2 can crushed pineapple | ¼ cup sugar for each cup pulp and juice |
| 1 lemon, ground | |

Soak apricots overnight with just enough water to cover. Bring to a boil. Add pineapple, ground orange and lemon. Measure juice and pulp and add sugar. Cook for about 15 minutes or until thickened. Stir frequently and can in clean hot jars.

Bean Patties

Dry beans are lower in price and a good buy at present. For a hearty dinner or supper, we suggest bean patties.

- | | |
|-----------------------------|-----------------|
| 2 cups cooked dry beans | 1 egg, beaten |
| ¾ cup bread cubes | salt to taste |
| ½ teaspoon savory seasoning | pepper to taste |
| | milk |
| | fine dry crumbs |

Mash beans. Mix well with bread cubes and egg. Add seasonings and moisten with milk. Shape the mixture in the form of patties and roll in fine crumbs. Brown in a little fat, turning to form a good crust on both sides. Cook slowly about 20 minutes. Serve with tomato sauce, chili sauce and a crisp green leafy salad. Make bean patties as a meat substitute.

For Patriotic Programs

If you are planning a program for Flag Day, June 14, or for the Fourth of July, we suggest our leaflet, "Patriotic Music in Story and Song." This playlet requires an announcer and 7 men or women narrators, a male quartet and chorus of mixed voices. In other words, it is for the community, by the community. Please address Entertainment Editor, Kansas Farmer, Topeka, for a copy of the leaflet. Price 3c.

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Where you want floods of water for irrigation, Fairbanks-Morse Propeller Pumps are your economical choice.

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compact, simple and self-lubricating. Completely self-priming and with balanced load distribution, Fairbanks-Morse Propeller Pumps will deliver greater volume more economically than any comparable equipment.

See your Fairbanks-Morse Pump Dealer for details, or write Fairbanks, Morse & Co., Chicago 5, Illinois.

FAIRBANKS-MORSE,
a name worth remembering

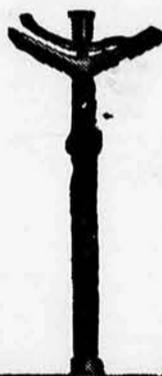
Diesel Locomotives and Engines • Electrical Machinery • Pumps • Scales
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STEEL or ALUMINUM PIPE
Equipped With Patented HORSESHOE LATCH COUPLING

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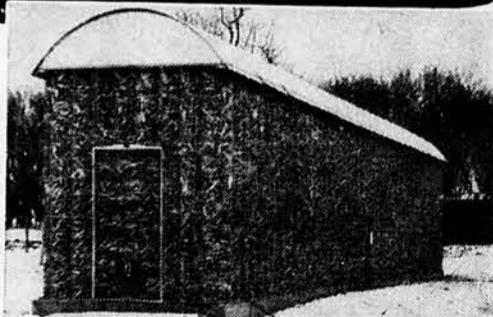
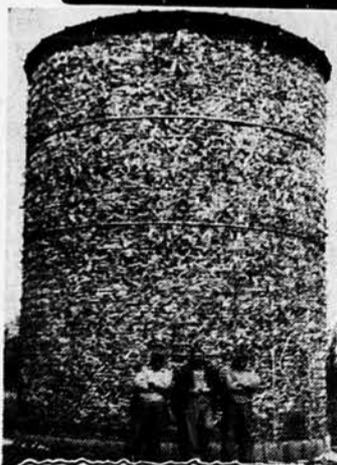
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407 North Main Street

Muskogee, Oklahoma

Take a tip...

from two "Hard-to-Please" Corn Crib Owners



"We consider Behlen Crib the best cribs as well as the best buy of any. Have two 20-ft. models, erected last year."
—TAYLOR BROS., Long Point, Ill.

"I've had my 60-ft. Behlen Crib for three years now," said R. A. Gluth, Redwood Falls, Minn. "Moisture content in 3 years ranged from 20 to 30%. When I shelled this corn, the content was 12%. No loss or spoilage."



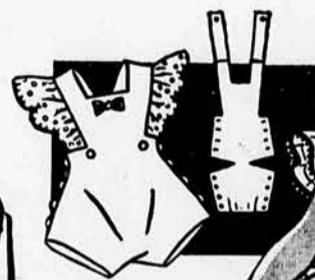
Ask any of the thousands of Behlen Crib owners. They'll tell you why they are so well pleased. Two things in particular make Behlen Crib so far superior: (1) heavier steel bar (over 1/4 in.), and (2) galvanized AFTER welding (only Behlen gives this protection against rust). Always insist on these advantages. Behlen Crib have met every weather condition, even to winds over 85 mph, without slightest damage.

Two Types—Rectangular type comes in 4-ft. sections which are corrugated for extra strength. Round type come in 10, 15 and 20 ft. ht. Write us for full particulars; or see the Behlen dealer near you, at once.

BEHLEN MANUFACTURING COMPANY, Dept. 208, Columbus, Nebr.

For You and Yours

9017
SIZES
6-14



9065
SIZES
2-8

9017—Comfortable sun fashion set of bra-top and shorts. The button and tie-on skirt makes a dress. Sizes 6 to 14. Size 10 playsuit and skirt takes 3 3/4 yards of 35-inch material.

9065—A playsuit and skirt in sizes 2 to 8. Skirt buttons to sunsuit. Size 6 playsuit and skirt 2 7/8 yards of 35-inch material.



9097
SIZES 12-20

9097—Attractive dress with wide V-neckline and flared skirt. Sizes 12 to 20. Size 16 requires 4 yards of 39-inch material.



4879
SIZES
34-50

4879—Keep cool in this. Yoke is contrasting. Sizes 34 to 50. Size 36 takes 3 3/4 yards of 35-inch material.



4811
SIZES
12-20
30-42

4811—New version of shirt-dress, inside pockets and no waistline seam. Sizes 12 to 20 and 30 to 42. Size 16 requires 4 3/4 yards and 3/4 yard contrasting 35-inch material.



9118
SIZES
12-20



4893
SIZES
34-48

9118—Choice of sunback or town dress with bolero. Sizes 12 to 20. Size 16 ensemble requires 5 yards and 1/2 yard contrasting 35-inch material.

4893—Cool, slender 2-piece playsuit. Square neckline and crisp cuffs. Sizes 34 to 48. Size 36 requires 3 1/2 yards and skirt 2 5/8 yards of 35-inch material.

Send 25 cents for each pattern to the Fashion Editor, Kansas Farmer, Topeka.



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SURE YOU CAN

Because, in many cases, the P.M.A. will pay nearly half the cost of your superphosphates used under approved practices. That means you can start building "Greener Pastures" now. Even if you can just afford to improve a few acres at a time, it will make money—save you money—to produce better pastures and bigger yields of legume grass forage for the most economical feeding of all livestock.

With adequate amounts of BEM BRAND Fertilizer NOW your pastures will grow green and lush to give you a better "Balanced Farm" that will "BRING EXTRA MONEY" the year 'round.

BEM BRAND is the complete balanced plant food made right here in this area by men backed by more than 26 years of experience in formulating the best pasture and crop fertilizers you can buy.



WRITE FOR FERTILIZER FACTS TODAY...



THURSTON

Spring Dairy Shows

(Continued from Page 1)

similar programs and the shows—in all breeds now—have grown steadily thru the years.

Kansas Farmer magazine took an early interest in the spring dairy shows. By 1936, there were 4 breeds holding spring shows and in that same year Kansas Farmer, co-operating with the breed associations, sponsored district and state dairy judging contests.

These judging contests were designed to create greater interest among all dairymen—men, women and children—in selecting and breeding high class dairy cattle. In these dairy judging contests spectators at the district shows tried to place the various animals in the same order as official judges. Winners in the district shows were then eligible to compete for state honors. For some years the state contests were alternated between the Kansas State Fair, Hutchinson, and the Kansas Free Fair, Topeka. Now the contest each year is always held at Hutchinson as a permanent feature of the official state fair.

Women Win Firsts

Women have taken a special interest in these judging contests, right from the start. In the first state contest, back in 1936, 2 women won first in their respective contests. Mrs. Walter Samp, of Elsmore, was top judge in the Guernsey breed, and Mrs. Fred Williams, of Hutchinson, beat out her husband for top honors in the Ayrshire contest.

By 1950, the district spring dairy shows and judging contests have become an established institution. Thousands of spectators attend the spring shows to watch hundreds of exhibitors put prize animals thru their paces. A total of 38 shows were held by 6 breeds during April, with the Holsteins leading with 10 shows.

C. O. Heidebrecht, secretary of the Kansas Milking Shorthorn Society, sends in a typical report:

"The 6 Milking Shorthorn district shows held this year were the best in quality of cattle and interest shown in the breed, as evidenced by the attendance, that have ever been held in Kansas.

"Approximately 1,800 interested spectators watched 478 animals exhibited by 142 breeders. Kansas breeders were used as judges this year and this plan proved very satisfactory. Breeders selected by the district organizations to act as judges were: Ezra L. Wolf, Quinter; Leo Breeden, Great Bend; Walter Clarke, Great Bend; Gordon Janssen, Bushton; and John S. Hoffman, Ensign.

"Three hundred and forty seniors and 215 juniors took part in the Kansas Farmer judging contests. A most encouraging factor of the shows was that 50 new breeders and 4-H Club members exhibited their cattle for the first time.

"These Spring or District Shows have done more to improve the quality of cattle in Kansas than any other one single factor, and the breeders in all breeds need to be complimented and thanked for bringing their cattle to these shows where no definite prize money is offered."

Look at Cover Again

As an example of what goes on in all spring dairy shows in Kansas, the cover pictures for this issue of Kansas Farmer outline the highlights of the Sekan Black & White Show, held at Parsons, as the kickoff show for the Holstein spring circuit.



"Did you see any fish when you fell in, dear?"

Dave Saves the Day

Puts "NEW LIFE" in his trusty Ford!



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- ALL wearing parts and surfaces reconditioned or replaced with new Genuine Ford Parts
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Most flexible, most adaptable loader of all. Famous Flexodrive and carrier make angle adjustments and transportation easy, bring engine down LOW. Sectional tube construction permits easy extension to almost any length desired. Sealed bearings top and bottom . . . no obstruction in tube to impede grain flow. Handles any grain, many other similar materials without choking down.

"It's the best I have ever seen or used," says a Nebraska farmer. "Only loader I've seen that will carry its load without choking down," writes Colorado rancher. You, too, will say "Bazooka's best" when you see it operate. Full details in FREE CIRCULAR. Write today.

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16-FOOT Basic Length
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to make almost any length unit desired.

MOVES UP TO 1500 Bushels Per Hour Without Cracking Grain

Also Type B Bazooka (left) with idler drive. 11-ft. truck unit or 16-ft. basic length, with sectional extensions to 31 feet. Types C and D for special purposes.

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Dairymen everywhere know the advantages of lime for sanitation. It's odorless, it's effective, it's low in cost. Milk ordinances require its use as whitewash. Other regulations recommend it for many important sanitary purposes around the dairy barn. To keep up profits, keep up your sanitation standards with Ash Grove Snowflake Hydrated Lime. Your local building material dealer can supply you.

10 & 50-lb. Bags

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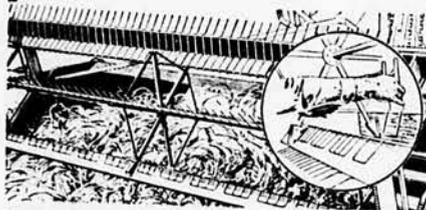
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- SHORT HEAVY NORMAL
- TALL THIN DISTRESSED
- GRAIN SEED FEED VINEY CROPS



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You will make more money because Rel-Tuth gives positive batt action, better machine feed and reduces cutterbar "slobber." Rel-Tuth units are spring steel teeth that lock securely over standard reel bats and sweep the cutterbar clean. VERY LOW COST - QUICKLY INSTALLED - NO TOOLS REQUIRED. WRITE FOR FREE FOLDER and tell us the make and model of your combine, windrower or binder. NO OBLIGATION. See your dealer.

DON'T DELAY - DO IT TODAY

M. D. McDONALD CO. : Box 1298, Wichita, Kansas

Are You in the Market for Farm Equipment?

It's easy to do a little "shopping" in the advertising columns of this particular issue.

When you find the item you want, read the manufacturers' description and then hunt up your local dealer. Likely he has the product in stock you have been reading about in the Kansas Farmer.

KANSAS FARMER
Recommends Its
Advertisers!

Brannan Plan a Campaign Issue

(Continued from Page 8)

farm states normally Republican but classed largely on the "liberal" side. White House group believes President Truman made considerable "hay"—Brannan votes thru his trip. He endorsed the Brannan Plan all the way. Reports are farmers are worried. Another 10 per cent drop in farm income—third in successive years—is in prospect. Local taxes are up. Weather not too favorable. It is hoped farmers, at least enough to swing a number of Congressional seats, will seek salvation in the Brannan Plan.

Here is the over-all farm picture as the Department of Agriculture sees it: Long-expected adjustments from wartime pattern of agricultural production are on in earnest in 1950.

Announced allotment programs for 1950 season call for about 12 million fewer acres in wheat than were planted in 1949; about 11 million fewer acres in corn in the commercial area; and considerable fewer acres of cotton. Other war-expanded crops are faced with reductions.

"Altogether these reductions total 30 million acres and may involve millions more during the next few years," the report states. "These surplus acres represent a major unbalance in our agricultural plant. What to do with them is one of the major problems facing farmers."

"We have about the same total acreage in crops as before the war. Land plowed up during the war and after was about equal to the acreage abandoned."

Fewer Farm People

"We have fewer people working and living on farms. But we have many more tractors and other farm machinery, use much more fertilizer, have higher producing and strains of crops and animals; feed livestock better, control insects and diseases better, and in general do a better job of farming."

"One significant result has been higher yields of crops per acre and greater production of livestock and products per breeding unit. This means fewer acres and fewer livestock are needed to produce as much food as prewar."

"Wheat acreage expanded sharply after the war to fill the demand for wheat for export for relief purposes. Our exports of wheat have averaged over 400 million bushels yearly since the war ended, compared with less than 100 million bushels in the late Thirties."

"Altho acreage of corn and potatoes in 1949 were lower than prewar, and the acreage of cotton about the same, production of each was much higher. Wheat acreage increased about as much as production."

"These increases in production were stimulated by increase in demand and prices resulting mainly from 3 factors: (1) Higher consumption of food per person because of high employment and national income.

(2) Rapidly expanding population: There are now about 19 million more people in the United States than 10 years ago.

"But per capita consumption of wheat and potatoes has declined enough since prewar to about offset the effects of increased population."

"On the other hand, per capita consumption of fluid milk, eggs, meat, and vegetables is definitely higher, resulting in a 20 to 40 per cent increase in demand for these items."

(3) Strong demands for food for export because of war-created dislocations and demands for relief feeding: Heavy exports of some products such as wheat, cotton and rice since the war have been extremely important in maintaining prices and the need for larger than prewar acreage of some crops.

"By 1950, tho, agriculture in most European countries largely had recovered from war damage and exports of farm food products are expected to decline from now on. The problem has been intensified because of the difficulties most countries have in obtaining dollars."

"We have not imported nearly enough products to provide dollars with which other countries can pay for goods bought from us."

"Much of our exports have been financed by loans and gifts from the United States (Treasury), which also are declining."

"These trends indicate that practically all farmers will need to be concerned with adjustments toward a better balanced agriculture. For the farmer with 'surplus' acres, however, the adjustment problem is both immediate and difficult."

"If he reduces his acreage of wheat, cotton, corn or some other crop, not only the land but some labor and equipment will be available for other purposes. If he lets the land lie idle, total output of the farm will be reduced. Overhead costs will not show a similar reduction since much of the costs are fixed and do not change much as production increases or decreases."

"These changes in production and consumption trends point to the general direction adjustments on most farms must take. For the bulk of the 30 to 35 million 'surplus' acres in prospect, the answer seems to be largely more hay and pasture to produce milk and beef."

"If per capita consumption of meats, especially beef, could be increased by only 10 pounds from the 145 pounds consumed in 1949 back to the 155 pounds consumed in 1947, and if fluid milk consumption could be increased from the 380 pounds per capita of 1949 to the 432 pounds actually consumed in 1945, we would have a ready market for the forage from about 35 million acres. These estimates are on the basis of present population."

"The major unknowns seem to be whether consumer incomes will remain high; how much of a decline in prices of milk and meat would be necessary to induce increased consumption; and what progress farmers can make in reducing costs so as to make increased production profitable even at lower prices to consumers."

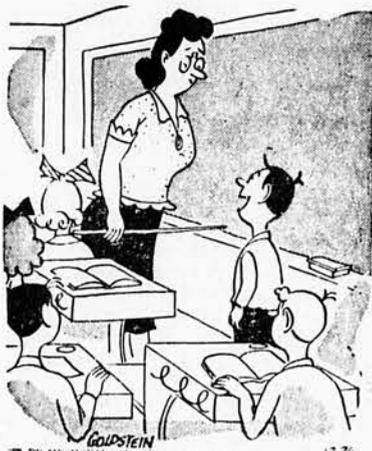
The foregoing seems to be a fair assessment of the over-all problem. And there is a powerful appeal to human nature when someone comes along and promises continued high incomes to producers, and at the same time low food prices for consumers so they can afford to eat more meats and milk and vegetables. It makes folks hail the Promiser as the Deliverer. The Promiser sends the bill to "The Government," hoping that if "The Government" does have to levy more taxes to provide the billions, the checks will be taxed on someone else.

Guernsey Records

Two Olathe Guernsey breeders rang the bell recently with cows that made state champion records for production.

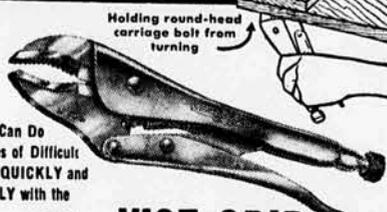
Mr. and Mrs. Walter Bublitz, Olathe, made a state champion record with Walmar Glamour's Della, whose production of 12,009 pounds of milk and 600 pounds of butterfat is the highest HIR record for a senior 4-year-old in the state. Glamour's Della, sired by McDonald Farms Glamour, Saint Albans Farms, Inc., of Saint Albans, Mo., was milked 730 times while on test.

H. D. Hyer, also of Olathe, made a state champion record with his registered Guernsey cow, Boehle's Damsel's Shirley. Her production of 8,859 pounds of milk and 504 pounds of butterfat is highest record in the state made by a junior 4-year-old milked 2 times daily for 10 months. Sire of this cow is Damsel's Aristocrat, owned by Glen Kircher, Harrisonville, Mo.



"Why worry? Nobody's ever going to give ME eighteen apples and take away six."

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New VISE-GRIP WRENCH

Genuine VISE-GRIP, the most sensational hand tool ever built, gives your hand Tremendous Power! LOCKS to work with more than Ten-Grip! Does "impossible" jobs like magic! Does jobs no other tool can do! Insist on the genuine VISE-GRIP. Only the genuine has these features:

- Involute Jaw Curve holds all shapes with unbelievable ease. Knurled Jaw Tips grip to the very tip. Thin Nose. Super Wire-Cutter.
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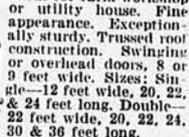
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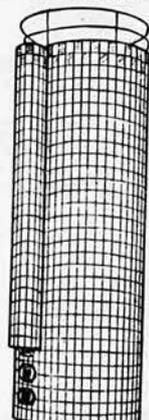
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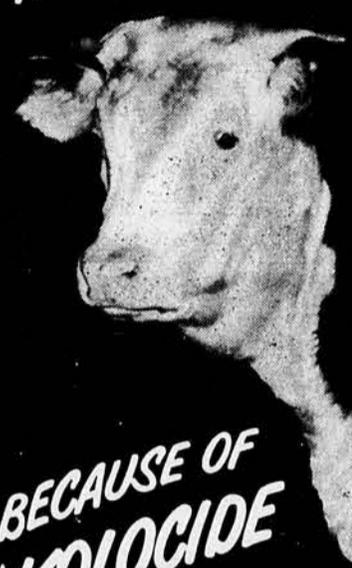
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Marketing Viewpoint

By H. M. Riley, Livestock; Paul L. Kelley, Dairy Products; Joe W. Koudele, Poultry and Eggs; Leonard W. Schruben, Feed Grains.

What is the outlook for hog-corn feeding ratio this summer? How will this affect next fall's pig crop?—E. M.

The feeding ratio probably will be rather favorable during the next several months. The long-time average relationship between corn and hog prices at Chicago is about 11.5 to 1 during the summer months. In mid-May, 100 pounds of hogs would buy about 13 bushels of corn based on Chicago prices. With corn prices near the loan level, and hog prices likely to strengthen still more between now and August, the feeding ratio is expected to exceed the relatively favorable ratio existing at present.

Historically, farmers tend to expand hog production in response to a favorable feeding ratio. It is generally expected the 1950 fall pig crop will be slightly greater than last year's large fall crop. An estimate of number of sows to farrow next fall will be reported about June 20 by the U. S. Department of Agriculture.

What will be the trend in fluid milk prices for producers in June?—W. W.

It seems likely fluid milk prices will level off and tend to stabilize near present levels during June. Peak in milk production probably has been retarded somewhat this year due to slow pasture development. Production generally declines in June and this will tend to prevent further sharp price declines.

Consumption of milk and milk products is holding up well in most markets and the recent up-turn in business activity should contribute to a good market for dairy products.

What is the situation on the government's support operations for eggs now?—D. W.

The U. S. Department of Agriculture has purchased 7 per cent more dried eggs thru May 10, 1950, than in the corresponding period a year earlier. This total probably would have been even greater if the support goal had not been reduced from 90 to 75 per cent of parity. Most of the into-storage movement of shell eggs has occurred already. Unless consumer demand improves substantially, the government probably will continue to purchase large quantities of dried eggs in support operations this summer.

I am a cattle feeder and I normally buy corn about the first of August each year. Is this the best time of year to buy corn?—A. E. S.

Studies of seasonal corn price variations for the Kansas City market indicate that high prices for corn usually comes in the July to September period. When new crop corn starts moving to market, prices usually decline reaching their yearly lows during winter and early spring. A similar pattern is followed by milo. Livestock producers who need to purchase corn or milo for their feeding operations often gain by purchasing their supply during late fall and winter.

In many local areas in Kansas, feed grain prices are on a ship-out basis during fall and winter reflecting Kansas City prices less transportation charges. Frequently these prices move to a ship-in basis later in the season. In these cases the seasonal variation is greater than that occurring in Kansas City prices.

Freezing Foods

There are 5 important points in the preservation of food by freezing—careful selection, proper packaging, rapid freezing, storage at 0° F. or lower, food not stored too long. The Kansas State College Experiment Station booklet, C249, "Preserving Foods by Freezing," gives quite complete instructions on freezing all types of food that can be frozen. The KANSAS FARMER Bulletin Service can send you a copy of the booklet as long as the supply lasts. There is no charge.

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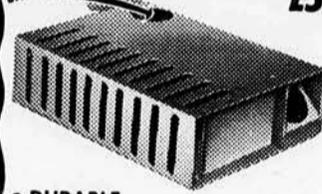
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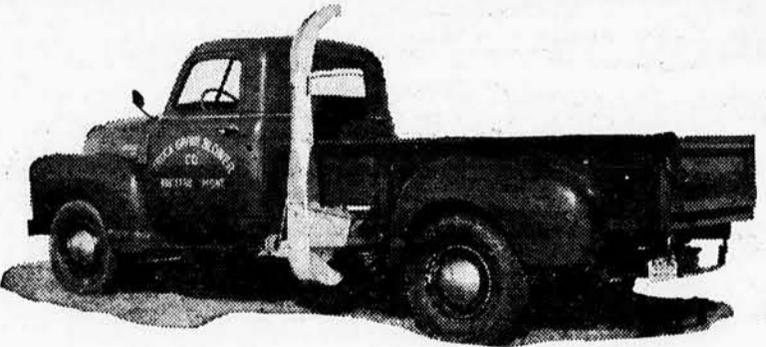
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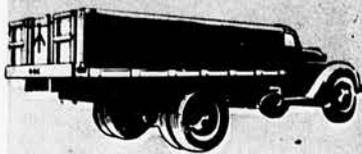
Your Choice Either Wood or Steel Understructure of Platform



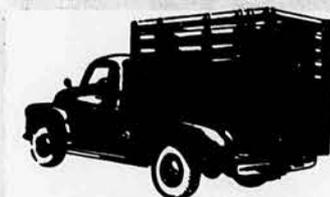
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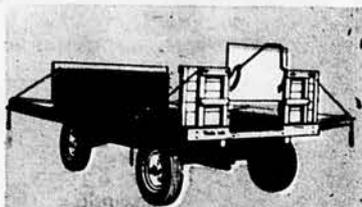
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Followed Ax and Hoe

(Continued from Page 9)

farms nearly doubled and horses were reduced by about 20 per cent. In this 6-year period, about 400,000 tractors displaced some 4,250,000 horses on farms in the United States. From 1929 to 1942 horses were reduced in number from 20 million to 14 million and tractors were increased to 1,890,000.

The rapid shift from animal power to mechanical power for farm production between the 2 World Wars constitutes one of the most important changes that has ever taken place in American agriculture. It was the cornerstone in the foundation for increased production.

One result of this change was a transfer of resources from producing power on the farm to producing livestock and crops for sale on the market. This transfer released about 55 million acres of cropland for producing marketable farm products. The shift to mechanical power and modern equipment has also brought an increased output per worker by enabling him to do the job quicker and by doing a better job, thus enabling him to realize more benefit from other improved practices.

The physical burden of farm work is lessened by elimination of much hand labor, and the farm worker has more energy and more time to devote to improving his living standards, participating in community life and enjoying his life on the farm.

Rate of adoption of mechanical power and modern equipment has varied considerably in different periods. The number of tractors on farms increased rather slowly from 1910 until 1914. However, during the period of the First World War, the numbers increased sharply despite the fact that tractors of that time were cumbersome, slow-moving, and expensive to operate.

Spurt in Tractor Numbers

After 1920, the rate of increase in tractors slowed down for 2 or 3 years, until the general-purpose tractor was introduced. This change in type, along with many technical improvements, brought a rapid spurt in tractor numbers until 1930. From then until 1932, the increase was slow and, during the drouth and depression years of 1933 and 1934, number of tractors on farms actually decreased.

With the beginning of the agricultural recovery in 1935, the number of tractors increased rapidly, and that increase has been rather steady to date. It has been estimated there were 3,376,000 tractors on farms in the United States on July 1, 1949. This estimate does not include garden-type tractors.

When tractors were first introduced, machinery that had been designed for horsepower was adapted to tractors by making special hitches and other minor changes. One major step in the history of farm mechanization occurred during the 1930's when most farm machinery was redesigned for use with tractor power. Another important step was introduction of rubber tires for tractors and other farm equipment during the 1930's. These developments have accelerated the shift to tractor power and stimulated adoption of such modern machines as combines, corn pickers and pickup balers.

The new, small tractors developed since World War II are well adapted to small farms and rolling land, and undoubtedly will do much to speed

mechanization in the South, and of thousands of small farms.

In considering farm mechanization, one must not forget use of automobiles and motor trucks to speed up the transportation job. The number of trucks on farms has increased from none in 1910 to 2½ million in 1949. During the same period automobiles on farms increased from a very few to 5,400,000.

Actually three steps have occurred in development of our modern farm tractor. First was the development of the economical heavy-duty, high-compression engine; second, development of the tricycle-type front wheel which made the tractor more maneuverable and usable for row-crop farming; and third, substitution of rubber tires for spiked or cleated steel wheels. Rubber tires made possible more speed, more flexibility and greater ease of handling. Some authorities feel that use of rubber tires on tractors was the greatest agricultural improvement since the invention of the moldboard plow.

Following the shift to rubber came application of hydraulic controls, and fully-mounted tools which enabled the tractor to perform all types of farming jobs. These 2 developments took much of the hard work out of tilling, and made possible the development of such tools as scoops, buck rakes, lifts and bulldozers.

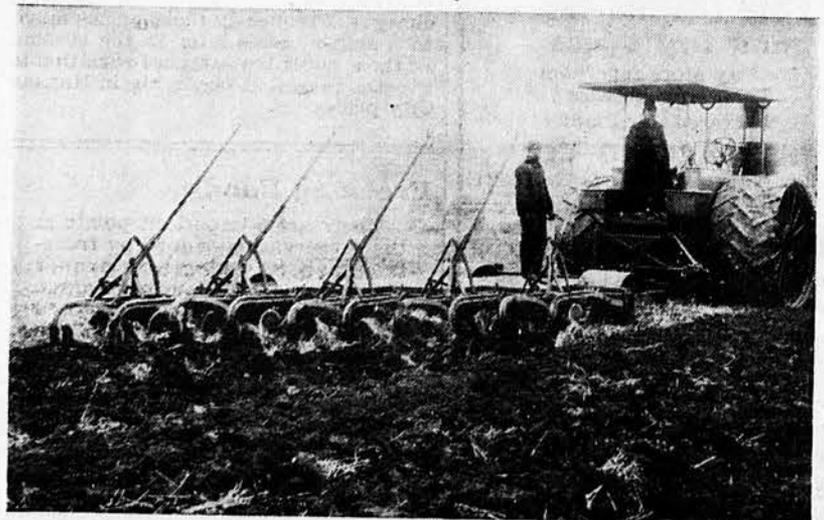
Development of other farm machines has followed pretty much in line with that of the farm tractor which is today almost the universal prime mover of agriculture. Today, there are hay choppers and hay crushers as well as fully-automatic, one-man hay balers. There are sugar-beet diggers, potato diggers, cotton pickers and crop dryers. Also there are multiple-purpose type of machines such as the small, all-purpose combine which is good for 125 different crops, and the forage harvester which can be used for both corn and hay. There have been developed some radically different types of tools such as the rotary tiller which in one, fast, and violent operation can prepare land for seeding.

Fewer Hours for Job

Perhaps the most significant results of farm mechanization have been increased production per unit, and the decrease in number of man-hours per unit of farm products produced. From 1910-14, it took 106 man-hours to produce 100 bushels of wheat, and from 1945-48, it took only 34 man-hours to produce the same amount. During the same periods, 135 man-hours were required to produce 100 bushels of corn as compared to 67 man-hours during the later period.

Economists have estimated that in 1820, each person on the farms in the United States produced enough food and fiber to support himself and a little more than one fourth of enough for one additional person. By 1920, one farm person produced enough to support himself and 2½ additional people. By 1945, this increased so each farm person was producing sufficient for 5½ persons, and in 1948, each farm worker produced enough food and fiber for himself and 13 others. This simply means that due, at least partially, to farm mechanization, thousands of people have been released from the necessity of producing food and fiber and can now produce those items which

(Continued on Page 23)



A TYPICAL FARM SCENE prior to World War I. Tractors of this period were huge, cumbersome machines, used only to pull plows and for belt work.

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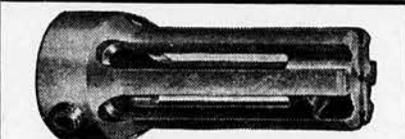
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give American people the highest standard of living enjoyed anywhere today.

Another effect of mechanization is the greater timeliness in farm operations. The result is both greater total production and higher quality farm products. Power equipment can cover more acres per hour and can be used longer hours if necessary. This has allowed farmers to do critical jobs without the delay that frequently occurred when horses were used.

Another phase of farm mechanization is the rapid progress made during recent years in rural electrification. In June, 1948, about 69 per cent of the farms in this country had central-station electric power. In 1940, only 26 per cent had electric power, and in 1930, only 9 per cent. Since 1948, farm electrification has been progressing even more rapidly than before that time. Electric power for lighting the home and for cooking, washing, ironing, and other household work, definitely lightens the work load for the housewife. Such home equipment as refrigerators and deep-freeze units provide for better utilization of farm products, both for home and for sale.

Kansas ranks high in the story of farm mechanization. Wheat production is almost completely mechanized and corn production is well on the way. An estimate made on July 1, 1949, indicated that 148,791 of the nation's 3,375,919 tractors are on Kansas farms, making it the eighth state in number of farm tractors. A similar estimate on January 1, 1949, indicated there were 160,973 passenger cars and 83,682 trucks on Kansas farms at that time. Kansas ranks first in number of combines with 57,000 in 1949. The 1945 agricultural census showed farm equipment on Kansas farms was valued at more than 200 million dollars.

Job Is Just Started

In looking at progress made in farm mechanization during the last 50 years, it is hard to realize that the agricultural revolution may have just begun. Mechanization of American farms is by no means complete. Farmers still own some 10 million horses and mules, and about 60 per cent of all farm work is done by hand. Up to now, mechanization has taken place largely on particular types of farms. Dairy, cattle and fruit farms are probably the least mechanized. Hay harvesting is in a state of flux with several radically different methods competing for adoption. Mechanization of cotton harvest is only in the beginning stages and tobacco is still a hand-labor crop. Several types of labor-saving equipment have materially helped the dairy enterprise, but much remains to be done.

Will Need More Food

A recent estimate places the probable population of the United States at 162 million in 1975, as compared with 150 million at present. This means that in 25 years, there will be 12 million more people to feed and clothe in the United States than there are now. The nation's crop acres are relatively stable, so much of this food and fiber will have to come from increased production. Mechanization undoubtedly will play an important part.

New Machines Coming

A look at new mechanical developments that are already on the horizon, leads to the conclusion that much progress is still to come.

Probably the major development will be the increase in numbers of tractors, especially the small sizes fitted with equipment suitable for use on small farms. Continued progress in mechanization of the production of corn, hay and cotton can also logically be expected. Such recently developed machines as beet harvesters, sweet-corn pickers, pickup balers, forage choppers, manure loaders, dairy-barn cleaners, flame cultivators, machines for handling silage, as well as further improvement and more widespread use of older labor-saving machines, are now on the horizon.

A nearly complete electric service for farmers seems assured. This will help materially in reducing long hours and tiresome jobs in homes as well as on farms. During years to come, new machines and new ideas will be brought out for trial, and many of these will be adopted during the coming farming generation. The push at present is toward better and perhaps fewer farm machines of a particular type in order to improve efficiency. Well-planned mechanization of agriculture is one of the important keys to our abundant way of life.

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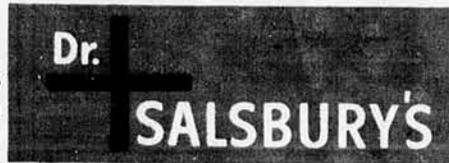
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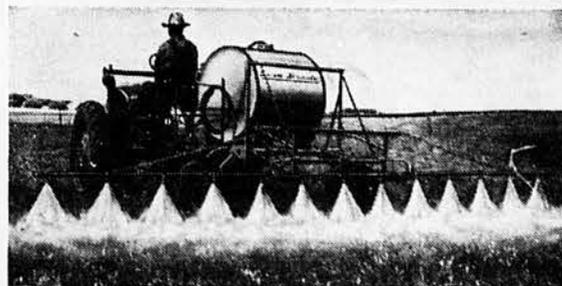
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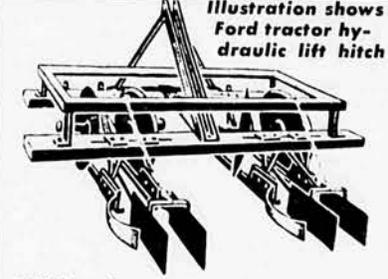
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Kirlin Listed Corn Cultivator

Equipped for any pull-type tractor. Write for circular and prices.

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Centralia, Kansas

KOSCH FRONT MOUNTED MOWER

You've always wanted a Front Mounted Mower and now it's here. Never before has mounting and mowing been so fast and easy. All points of wear are Standard IH parts including bar sickle and pitman. A thousand satisfied users will tell you the KOSCH FRONT MOUNTED MOWER is the Best. Learn why it's Best for you. Available for Farmall, John Deere, Allis Chalmers, Co-op and other make tractors. Get all the facts. Specify make and model of tractor. Write for FREE literature today.

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Prices from \$99.50 up. The digger you have been waiting for. Quick hitch to any tractor with power take-off. Fastest power auger return. Heavy hi-speed two flight auger. Safety clutch prevents damage, eliminates shear pins. Strictly one-man machine. Write today for digger facts, new low prices.

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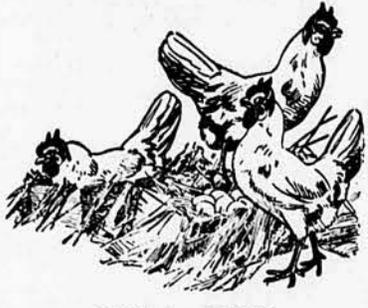
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Save time Save gas—with this heavy-duty, grain-tight, all-steel box. Four way tail gate. Sliding dump chute. Sides removable for platform body.

125 bu. capacity

WINPOWER
NEWTON, IOWA

WRITE FOR FREE FOLDER TODAY

Who Won In Judging

JUN 5 1950

MANHATTAN

BOTH the Brown Swiss and Jersey spring dairy shows now are completed. Attendance at the various shows was good for both breeds. Winners of the **KANSAS FARMER** dairy judging contests for all spring shows of the 2 breeds are as follows:

Brown Swiss

CANTON 1: Jackson George, Lebo; D. A. Garret, Burlington; Floyd Hamilton, Cherryvale; Floyd Powers, Chantute; Ralph Boicourt, Fredonia.

CANTON 2: Mrs. Virgil Holen, El Dorado; Lloyd Rempel, Hillsboro; Bill Skaer, Augusta; Paul Rempel, Hillsboro; Mrs. Lloyd Rempel, Hillsboro.

CANTON 3: Albert Babrman, Bluff City; Ivan Wagner, Freeport; Henry Schmidt, Freeport; Arthur Dune, Anthony; Mrs. Raymond Oswald, Elkhart.

CANTON 4: Lewis Smith, Burdett; Roy Webber, Kingman; Ross Zimmerman, Abbyville; T. M. Webber, Kingman; Dewey Schultz, Pawnee Rock; Earl Webber, Arlington.

CANTON 5: Mrs. Ellis Martin, Princeton; Mrs. Jim Doer, Baldwin; Mrs. Ted Eckart, Topeka; Mrs. Paul Green, Topeka; Frank Eckart, Topeka.

Jersey

NORTHEAST: George Smith, Highland; J. M. Mills, Olathe; Dwight Reece, Horton; Thomas Tollefson, Willis; Eone Thorson, Horton.

NORTH CENTRAL: David Schurle, Manhattan; John Frey, Manhattan; John Bowyer, Abilene; George Schurle, Manhattan; Mrs. George Schurle, Manhattan.

CENTRAL: Herman Vath, Buhler; A. L. Miller, Partridge; George Heckle, Alden; Elma Jean Kelman, Arlington; Gus Borders, Arlington.

SOUTH CENTRAL: Mrs. Joe Byler, Wellington; Clarence Belcher, Kingman; Elton Young, Cheney; Harry Randolph, Nashville; R. M. McClellan, Kingman.

SOUTHEAST: Mrs. L. H. Reece, Earlton; Wm. Coons, Columbus; C. H. Harris, Oswego; Will Hunter, Labette; Frank U. McPherson, Labette.

EAST CENTRAL: Mrs. James Berry, Ottawa; A. L. Beal, Iola; Murry Lawson, Vinland; T. P. Stevens, Vinland; Mrs. Luema Mears, Iola.

Quicker Growth

Average rate of growth for pigs and chickens eventually may be stepped up 10 to 15 per cent thru a recent discovery that Aureomycin, a new medical antibiotic, can be teamed up with vitamin B₁₂ in a protein supplement. This discovery may mean cheaper proteins, too. Dr. P. V. Carden, research administrator of the U. S. Department of Agriculture, reports the Aureomycin-B₁₂ combination can be added to vegetable proteins such as soybeans and cottonseed meal and then be fed to pigs and chickens. These vegetable proteins are cheaper than animal-origin proteins now necessary for pig and chick feeds. Without B₁₂, pigs and chickens cannot completely utilize vegetable proteins.

Calendar for Gardeners

As a gardener you will find many suggestions of what to do in June and July in the Kansas State College Extension circular, "Landscape Calendar." For instance, the advice for June is to use dusting sulphur for red spider if needed; prune spirea, forsythia, lilacs, and spring blooming shrubs after flowering; sow seeds of perennials for next year's bloom, such as Coreopsis and others; spray evergreens for bag worms; examine garden flowers and ornamentals for any sign of powdery mildew.

A few suggestions for July are to cut out flowering stalks of hollyhock after they have finished flowering; prune climbing roses, such as Ramblers and Dorothy Perkins; spray or dust for plant lice on plants.

For a copy of this circular, which gives valuable instructions for every month of the year, please write Bulletin Service, Kansas Farmer, Topeka. There is no charge, but supply is limited.

THRIFTY HOGS

Need

Trace Minerals

Feed Morton's Free Choice Trace Mineralized Salt

Salt and trace minerals are important to efficient digestion and assimilation of feed. Salt saves protein . . . aids in the digestion of fats and carbohydrates. Trace minerals—iron, copper, cobalt, manganese, and iodine—stimulate the enzyme, vitamin, and hormone functions that convert feed nutrients into blood, meat, bone, and tissue. It costs but a few cents more per animal per year to feed Morton's Trace Mineralized Salt free choice to all livestock.

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MORTON'S Free Choice TRACE MINERALIZED SALT

Contains iron, copper, cobalt, manganese & iodine

Bumper Crops with Rain Bird Sprinklers

Irrigate Fields, Orchards, Pastures with portable pipe and Rain Bird Sprinklers

Beat recurring dry spells. Prosper in a dry climate. Master any moisture shortage with a Rain Bird sprinkling system. Rivals natural rainfall—to keep field, fruit and forage crops thriving. No erosion. You irrigate profitably, produce bumper yields, top quality, without costly land preparation. Rush request today for Rain Bird Catalog.

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BOTH TRUCK AND STATIONARY MODELS

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FARGO NORTH DAKOTA

COMBINE CONVERSION V-BELT DRIVES

Prevent harvest breakdowns by replacing worn chains and sprockets. All sizes V-belts and drives.

HARD SURFACED CONVERSION RASP BARS

Thresh clean and fast. Will outwear and outperform all others. SEND FOR CATALOG

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Box 105 Cawker City, Kansas

In Making Your Will

Why not make some provision for crippled children? Many friends of the Capper Foundation have done this. They leave certain property for their relatives, if they have any who should be provided for, then they say, "All the rest of my property I leave to the Capper Foundation for Crippled Children, Topeka, Kansas."

the New "O-K" MOWER

CUTS . . . LAWNS, WEEDS, OR BRUSH

You will enjoy the effortless action of this powerful, self-propelled, LOW PRICED machine. Available, also, without power drive. Attachments include Circular Saw, Generator and Snow Plow

WRITE OR PHONE for FREE CIRCULAR and DEMONSTRATION TODAY!



J. A. ORR COMPANY, Inc.
10019 S. Western Ave., Chicago, 32, Ill.

CHOLERA OUTBREAKS REPORTED

ARE YOUR HOGS VACCINATED?

If your hogs have not been vaccinated, it should be done without delay. Cholera strikes fast, kills fast. Vaccination is your ONLY protection. There is no cure.

CONSULT YOUR VETERINARIAN

Your veterinarian knows when and HOW to vaccinate for maximum protection. Call him NOW and be SURE.

This message sponsored by ASSOCIATED SERUM PRODUCERS, INC.

Public Sales of Livestock

Angus Cattle
October 28—Karl & Henry Zimmerman, Maryville, Mo.
Ayrshire Cattle
September 23—Nebraska Ayrshire Breeders' Association Sale, Lincoln, Nebr.



IN THE FIELD
MIKE WILSON
Topeka, Kansas
Livestock Editor

Speaking of longevity and production of Ayrshire cows, a very good example is on the CLARENCE D. BEAT farm, of Wellington. Mr. Beat has in his herd the old Ayrshire cow, Crissie Printella. This cow has won many blue ribbons for her owner. Besides that she has been declared the best uddered cow in Kansas a number of times. To her credit she has produced a number of good bull calves. At present there are 7 daughters and granddaughters of this grand old cow, working in the Beat herd. For a number of years the Beats have been engaged in producing top Ayrshire cattle along with raising several thousand turkeys each year. When in the Wellington neighborhood it is worthwhile to pay a visit to Turk-Ayr Farm.

MARYCREST FARM ANGUS SALE, Maloy, Ia., on May 16 averaged \$985 on 52 lots. High-selling female lot was a 4-year-old cow with heifer calf which sold for \$3,450. High-selling bred heifer went for \$2,750. High price paid for an open heifer was \$1,500 while \$3,175 and \$3,000 were the prices paid for the two high-selling bulls. Ten bulls averaged \$1,360 and 42 females averaged \$896. Homeplace Eileenmere 26th heads this herd and the high-selling bulls and females were sired by or bred to this bull. Buyers made selections from several states. Kansas now owns some of these Angus as a result of this auction. Marycrest Farm is owned by John and Mary Warin, Maloy. Roy Johnston and Ray Sims along with press representatives conducted the sale. Sales manager was J. B. McCorkle.

Members of the DICKINSON COUNTY HEREFORD BREEDERS' ASSOCIATION, met in Abilene, in April for their 14th Annual Spring Show. Cattle were placed in the various places by M. B. Powell, of Kansas State College. A very active part was taken in the judging contests by adults, FFA and 4-H Club members. The breeders in this territory brought out a very creditable group of registered cattle. Each spring this show is held and the following fall most of the cattle that were on display are sold in the annual fall sale. Those who are responsible for this fine gathering and are also on the show committee are as follows: George Thompson, chairman; Jesse Riffel, Dwight Garver, Charles Hobson and Clarence Jones. Earl Elliot, of Detroit, is president. George Thompson is vice-president. County Farm Agent V. E. McAdams, of Abilene, is secretary. Charles Hobson, Carlton, is treasurer of the association.

More than 1,500 people attended the 1950 Better Beef Day, at the Civic Center Building in Horton, sponsored by the NORTHEAST KANSAS BEEF BREEDERS' ASSOCIATION, April 8. Breeders of Angus, Hereford and Shorthorn had more than 100 head of well-bred cattle on display. Bass Powell, extension animal husbandry specialist, Kansas State College, made the official placings. In addition to the placing of the cattle, a type demonstration and judging contest for adults, FFA and 4-H Club members was held. At noon a bountiful lunch was served to the guests by members of the Horton Chamber of Commerce. The president of this organization is H. H. Humphrey, of Holton, Shorthorn breeder; vice-president, William Belden, Horton, Hereford breeder; treasurer, Wayne Ukena, Everest, Angus breeder. Brown County Agent Warren C. Teel, is secretary of the Northeast Kansas Better Beef Association. The committee in charge of arrangements was Keith Swartz, Everest; Al Schuetz, Mercer; and John Argabright, Hiawatha. These folks did a fine job and should be congratulated for the work and the string of fine cattle brought out that day.

3c Deckledge Reprints 3c

Reprints size as negative 3c and oversize prints 4c. 6- or 8-exposure roll developed and printed one each 25c or two each for 35c. Three 6x7 enlargements for 50c. Four 8x10 for \$1.00. Your favorite photo copied and 10 billfold pictures 65c.

Summers Studio, Unionville, Mo.

Fresh Roll (sizes 127-120-620-116-616) given with each roll developed and printed, with this ad. 8 Jumbo enlarged prints, 45c; 12 exposures, 55c; 16 exposures, 60c; Also 10c package mounting corners and framed enlargement coupon free. Free Roll Co., River Grove, Ill.

Two 4x6 Enlargements with any standard 8-exposure roll developed and printed 25c with this ad. Mounting corners free. Skrudland, 6444-F Diversey, Chicago.

16 Deckledge Velox Prints from any 8-exposure roll film developed 30c. 10c package of 100 mounting corners free. G. Skrudland, Lake Geneva, Wis.

10c Package of 100 mounting corners free. Roll developed and 8 oversize Jumbo prints 35c. National Finishers, River Grove, Ill.

8-Exposure Roll developed with 16 prints, 30c. Studio, Lake Geneva, Wis.

SAVINGS AND LOANS
Let the Mailman help you save. Our advertisement in this issue tells how you can save by mail and earn 3% at the current rate. We'll be glad to send you full particulars. Max Noble, president, United Building & Loan Association, 217 East Williams, Wichita, Kan.

OF INTEREST TO WOMEN
Outdoor Toilets, Cesspools, Septic Tanks cleaned, deodorized with amazing new product. Just mix dry powder with water; pour into toilet. Safe, no poison. Saves digging and pumping costs. Postcard brings free details. Burson Laboratories, Dept. V-18, 955 Willard Ct., Chicago 22, Ill.

Fairmount Maternity Hospital—Seclusion and delivery service for unmarried girls. Adoptions arranged; low rates; confidential. 1414 East 27th St., Kansas City, Missouri.

INSURANCE
FIRE AND AUTOMOBILE
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Farmers Alliance Insurance Co.,
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McPherson, Kansas

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KANSAS CERTIFIED SEED

Certified Ellis Sorgo, best sweet stalk sorghum for silage or forage. White seeded, second prize Chicago International. \$6.00 per cwt. sacked. Niles C. Endsley, Alton, Kan.

Pure, Certified Seed of high germination and purity of the early Midland milo, the new Ellis sweet sorgo, and Norkan. Fort Hays Experiment Station, Hays, Kan.

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Strawberry Plants—Hardy northern grown, double inspected Dunlap, Beaver, Blakemore 200—\$2.00; 500—\$4.50; 1,000—\$8.50. Premier, Bellmar, Giant Robinson 200—\$2.50; 500—\$5.75; 1,000—\$11.00. Giant Gem, Streamliner, Minnesota 1166 Everbearing, 100—\$2.25; 500—\$10.00. Fresh plants, prompt shipment. Everything postpaid. Iowa Nursery, Farmington, Ia.

Tomato and Pepper Plants—Large, stalky, hand selected, roots mossed. Tomatoes—Earliana, John Ear, Marjona, Bonny East, Rutgers, 200—75c; 300—\$1.00; 500—\$1.25; 1,000—\$2.25. Pepper—California Wonder, Chinese Giant, 100—40c; 300—\$1.00; 500—\$1.50; 1,000—\$2.50. Postpaid. Prompt shipment. Culver Plant Farms, Mt. Pleasant, Tex.

Millions Potato Plants, Improved Pink Portoricens, Golden Nancy Halls, Healthy, "proved," high yielding. Postpaid: 500—\$1.50; 1,000—\$2.75; 2,000—\$5.25. Wholesale price—Express: 5,000—\$10.00; 10,000—\$17.50; 20,000—\$30.00. Satisfaction guaranteed. Tri-County Farms, McKenzie, Tenn.

Sweet Potato Plants—Nancy Halls, Portoricos. Guaranteed honest count, prompt shipment, 300—75c; 500—\$1.25; 1,000—\$2.25; 5,000—\$10.00. Established 1915. Ward Plant Co., Gleason, Tennessee.

Tomato—Firesteel, Sioux, Sweet Potato—Red Emerald, Golden Jersey, 100—75c; 300—\$2.00; 3,500—\$1,000. Postpaid. Ernie Darland, Codell, Kan.

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A size to fit your needs.

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McPHERSON CONCRETE PRODUCTS CO.
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Paint—Outside snow-white titanium, lead and oil. Money-back guarantee not to peel, rub or wash off, or turn yellow. \$2.25 gal. in 5-gal. cans. Over a million gallons sold. Sample can, 50c. Snow-White Paint Co., 310 W. Washington St., Chicago, Ill.

International 5-ft. Combine with motor. Farmall 3 and lift. Perfect condition. Write. Call Jay B. Knapp, 140 N. Hydraulic, Wichita, Kan.

MACHINERY AND PARTS

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Irish Setters. Litter due July. Kleighlight grandchildren. Large, healthy parents, both registered. Reserve now. \$35.00. W. E. Taylor, Starford, Kan.

Black English Shepherds. Breeder 25 years. Shipped on approval. 10c for pictures and description. H. W. Chestnut, Chanute, Kan.

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We want broilers, springs. Coops loaned free. The Copes, Topeka.

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On each hatch we have pullet chicks that are not sold. We guarantee 90% pullets, but do not guarantee any certain breed as they may be Reds, Rocks, Leghorns, Hamburgs or Crossbreeds. We mix these leftover pullets together and you may have them for only \$10.90 per 100. All good strong chicks. Order yours today. Not over 200 to a customer.

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You too! CAN HAVE PULLETS LAYING IN AUGUST

By ordering February and March hatched pullets, we have seven breeds to offer. We also have pullets as young as three weeks. So send a postal and we will mail you our Pullet Bulletin.

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Bush's, Bloodtested, state approved, White, Barred Rocks, Hampshires, Production Reds, \$5.90. Pullets, \$13.90. Cockerels, \$8.90. Big type Egghead Brown, White Leghorns, Austra-Whites, Black, Buff, White Minorcas, \$5.95. Pullets, \$14.95. Heavies, \$7.90. Mixed, \$6.90. Leftovers, \$5.95. Barnyard Specials, \$4.95. Surplus, \$3.95. Table Use, \$2.95. Fryer Chicks, \$1.95. FOB. 100% alive. Catalog. Other breeds, grades, prices, discounts. Bush Hatchery, Clinton, Mo.

Thompson — Bloodtested White, Barred Rocks, Reds, Wyandottes, Hampshires, \$5.95; pullets, \$13.95; cockerels, \$9.95; Minorcas, White, Brown Leghorns, Austra-Whites, \$8.95; pullets, \$14.95; assorted, \$7.95; mixed assorted, \$6.95; leftovers, \$5.95; barnyard special, \$4.95. 100% alive. F.O.B. Thompsons Chicks, Springfield, Mo.

Baby Chicks, Limited supply. Bloodtested, Production Reds, Barred White Rocks, Hampshires, Reds, \$6.85. Pullets, \$11.35. White, Brown Leghorns, Austra-Whites, \$6.95. Pullets, \$12.85. Heavies, \$5.95. Mixed, \$4.95. Barnyard Specials, \$3.95. Odds-Ends, \$2.95. Fryer Specials, \$1.95. 100% alive FOB. Clinton Chick Store, Clinton, Mo.

AAAAA Pullorum Passed Chicks. New Hampshires, White Rocks, \$9.90; Pullets, \$13.90; Cockerels, \$9.40. White Leghorns, \$9.90; Pullets, \$17.90; Cockerels, \$2.95. Delaware Hampshire broiler cross, \$10.40. Heavy Mixed, \$6.90. Table Assorted, \$4.90 per 100. For Master Mated, add \$2 per 100. East Hatchery, Clinton, Mo.

DeForest Master Controlled Breeding gives you top quality. Blooded Chicks at reasonable prices. Write for free information today. DeForest Hatcheries, Box E, Peabody, Kansas.

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Goslings, ducklings, eggs, breeders. Safe shipment anywhere. Bulletins, magazine on raising geese, ducks. Peyton Farm, Route 2CK, Duluth, Minn.

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Strout—Headquarters for Farms. Big Golden anniversary farm catalog, 124 pages, 2,830 bargains. 32 states. Coast-to-Coast. Mailed free. Strout Realty, 20 West 9th St., Kansas City 6, Mo.

Own a Farm in the agricultural center of the United States. Write for new 1950 catalog describing many productive farms. Suiter Farm Company, Realtors, 1016 Baltimore, Kansas City, Mo.

Free Summer Catalog, farm bargains, many equipped, illustrate, many states! United Farm Agency, 428-KF BMA Bldg., Kansas City 8, Mo.

OF INTEREST TO ALL

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.

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

Fish Bait—Over 200 recipes and suggestions only 10c and stamp. Many favorable reports received. K. F. Fisherman. 1715 Lane, Topeka, Kan.

Not Even for a Pie

In big Mike's opinion there are few ailments that will not respond favorably to a nice custard pie. It is a common sight to see this old man nearing 90, trudging slowly up the road with this sort of good neighbor offering when there is sickness in the community.

More recently big Mike used a custard pie as a peace offering also. He and another elderly neighbor, who lives alone in a little patched-up cabin nearby, had been feudin' and fightin' for months, but still it touched big Mike's heart to learn his neighbor was ill. So he appeared just at dark at the patched-up cabin with a custard pie. But it didn't work.

"I'm locked up for the night!" grumbled the old man.

"But I've brought you a pie," explained big Mike.

Still his eccentric neighbor was "locked up for the night!"

In my opinion that would have been a propitious moment for the custard-pie-in-the-face routine had the door not been locked. But big Mike is philosophical about it. "The ornery old rascal probably thought I was tryin' to pizen him," he chuckled.—By M. H. G.

THE T. A. BURGESON Complete Dispersal of Reg. Holsteins



95 Head Selling
at the farm
Friday, June 23, 1950
11 A. M. sharp

Just south of Grandview, Mo., junction of highway 71, and east to the farm, on Missouri highway 150, to the Burgeson Holstein sign.

One of Missouri's greatest herds dispersing in its entirety, including 48 cows in production, many due at sale time, just right for milk base period. The herd averaged last year 480 fat in DHIA on 60 head, 1948 herd average 433.6 on over 50 head.

Calfhood vaccination practiced for past 7 years.

13 Cows selling classified Good Plus and Very Good from 453.8 fat to 721 fat; 11 of these from 523 fat to 721 fat, and 6 of these are classified "Very Good."

Consider the value of daughters of these cows sired by bulls like the following—all selling—

1. Abbey Sovereign 1078849, an own son of Montvic Rag Apple Sovereign. His daughters are really something.
2. Springbank Rag Apple Brigadier 1078850, a son of Achilles from a daughter of "Sovereign" with 658 fat at 2 years 3X.
3. Thamesview Monogram Pirate 1078851 1st senior yearling, and reserve grand at American Royal, 1950. A grandson of the Century sire, Montvic Monogram.
4. Rex Ideal Chieftan 938803, a son of Raymondale Ideal Successor from a daughter of Montvic Chieftan Posch.

Selling 27 granddaughters of Raymondale Ideal Successor. The first 10 have averaged 400 fat at 2 years.

Selling 18 daughters of Abbey Sovereign, young but lovely. The herd is classified for type, tested for production. The herd health is right.

Regardless where you live, if you want good Holsteins, be at the Burgeson Dispersal, Grandview, on June 23, at 11 A. M.

Auctioneers: Bert Powell, Topeka; Chas. Cole, Wellington; Mike Wilson, Capper Publications; and Harvey Hartvigsen, Lee's Summit, Mo.

Sale under cover. For catalogs, write for yours now to

T. HOBART McVAY, Sale Manager, Nickerson, Kan.

Announcing Maupin Brothers Reg. Guernsey Dispersal

Sale held at new modern Fraley Sales Pavilion on U. S. Highway 36
Chillicothe, Mo. — Wednesday, June 14 — 1 P. M.



45 Registered Guernseys

Sell, including one herd bull, Wern's Ultimus Standard, calved June 1, 1947. Bred by Homer and Chester Williams, Waukesha, Wis. He is a double-bred Langwater bull. All younger animals sired by him.

16 Young Cows

One calved in 1944, 4 in 1945, 8 in 1946, 3 in 1947. Nine head are sired by Mischief Majesty of Seymour by Boulder Bridge Mischief by Langwater Waldorf. Many of the 16 are just fresh and a few to be fresh soon. Two yearling bulls and 2 yearling heifers by Argilla Forecast Lad; a grandson of Langwater Philosopher. 8—1949 heifers; 3—1950 heifer calves; 9—1949 bulls; 4—1950 bulls. All sired by the herd bull.

HEALTH—Entire herd Tb. and Bang's tested 30 days before sale and individual health papers with each animal.
PRODUCTION—Herd not on official test but present milk records will be furnished sale day.

NOTE—We live on a mud road and do not have facilities at our farm to hold this sale; so— are bringing them to this modern sales pavilion to sell them.

MAUPIN BROTHERS, Owners, Montrose, Mo.

For catalog write to: **DONALD J. BOWMAN, Sales Mgr., Hamilton, Mo.**
Bert Powell, Auctioneer

HIGHLAND VIEW — ROANRIDGE

FIRST ANNUAL JOINT SHORTHORN PRODUCTION SALE
PARKVILLE, MISSOURI — THURSDAY, JUNE 15, 1950
Sale at Roanridge Farm, 7 m. north Parkville, Mo., Selling 15 Bulls, 39 Females on Hwy. W. 1 m. off of No. 71, north of Kansas City.

A splendid opportunity for both purebred and commercial cattlemen to secure good doing useful type Shorthorn cattle featuring the best of breeding mainly of Sni-A-Bar Farms and imported bloodlines.

W. A. COCHEL of Roanridge, Parkville, Mo., sells 10 Bulls, all strong yearlings including 6 sons of Roanridge Mercury 3d and others by Killearn Norseman 3d, Halfred Control and Sni-A-Bar Clipper Mercury. Eight bred cows and heifers, daughters of Edellyn Campeon Mercury, Millhills Jasper, Golden Victory and Prince Peter Claymor. They are mated to Roanridge Mercury 3d, Sni-A-Bar Norseman 3d and Sni-A-Bar Goldmine. Three cows with calves at foot by Roanridge Mercury 3d and a very outstanding group of 10 open heifers, 7 of which are sired by Roanridge Mercury 3d.

MR. and MRS. D. W. BISHOP, Highland View Farm, Gashland, Mo., sell 5 bulls sired by Calrossie Supreme, Highland View Royal Leader, and Sni-A-Bar Airlord, 11 bred cows and heifers, daughters of Sni-A-Bar Air ord, Klaymore Ensign, Millhills Jasper and nearly all of them mated to Calrossie Supreme. There will be 3 cows with outstanding calves at foot by Calrossie Supreme, and 4 open heifers, daughters of Highland View Royal Leader and Sni-A-Bar Airlord.

Calfhood vaccination for Bang's has been practiced in both of these herds and everything sells Tb. and Bang's vaccinated and can be shipped anywhere.

For your copy of the sale catalog and more information concerning this grand offering, write today. Address **MERVIN F. AEGERTER, Sales Manager, Seward, Nebraska**
Auct.: **C. D. (Pete) Swaffar**

BANBURY'S POLLED SHORTHORNS

Note—"Cherry Hill Herd" lead all herds at the Chicago International Show. Our herd sires—Cherry Hill Hallmark and Nonpareil Hallmark 3d—new blood and of the best.

Males and females—Some of the choicest of the herd for sale. Over 100 in herd officially vaccinated.
Farm—22 miles west and 6 mi. south of Hutchinson, Kan.

J. C. BANBURY & SONS, Plevna, Kansas



CHERRY HILL HALLMARK

May 13 marked a great success for the **FLINT HILLS HEREFORD BREEDERS' ASSOCIATION** annual meeting and dinner, at Burlington. More than 100 members and guests were present at this meeting. Musical numbers were presented by 4-H members of that community. Gene Watson, secretary of the Kansas Hereford Breeders Association, delivered the address for the evening. His talk was regarding the Hereford business in Kansas. Everyone likes to hear Gene talk so he had undivided attention of this group for the larger part of the evening. Mr. Watson says the Hereford business in Kansas is on a sound basis. His proof is sighted to the success of the spring bull sale at Dodge City and also to the success of the Kansas Hereford Futurity and the Kansas Polled Association sales that were made in 1949. These Kansas Association sales ranked in the top 25 sales in the nation. Much credit is due Gene Watson for the success that Herefords have made in Kansas the past year.

LINCOLN COUNTY HEREFORD BREEDERS, farmers, and those interested in Hereford cattle gathered at the Floyd Sowers farm, near Ash Grove, in late April for the annual spring show and judging contest. Breeders from many sections from Lincoln county and adjoining counties were present for the day's program. Around 75 head of registered Herefords from at least a dozen breeding establishments were brought together to make up the classes in the various divisions of the show. Don Good, judging team coach from Kansas State College, made the official placings in an efficient manner. 4-H Club members, FFA members and adults took part in the judging, therefore the occasion developed into a profitable day for everyone. Several sacks of feed were awarded to the winners of the classes by the Farmers Elevator, of Lincoln. County Agent Dicken conducted the show and did a fine job. The Sowers farm is equipped with good improvements and a set of good Herefords. It made a wonderful setting for such an occasion. The Ash Grove Ladies Aid served lunch. The weather was ideal with the exception of a small amount of wind and dust. Woody Hereford Ranch, of Barnard, dominated the show with their show herd. This was a show of unusual quality and every breeder of Lincoln county had worthy calves on exhibit.

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	\$30.50	\$29.50	\$29.00
Hogs	20.10	19.00	22.00
Lambs	29.25	32.50	32.00
Hens, 4 to 5 lbs.	.19	.18	.25 1/2
Eggs, Standards	.28	.28 1/2	.42
Butterfat, No. 1	.53	.53	.54
Wheat, No. 2, Hard	2.30 1/4	2.32 1/2	2.09 1/4
Corn, No. 2, Yellow	1.51	1.47 1/2	1.46
Oats, No. 2, White	.94 1/2	.87	.85 1/2
Barley, No. 2	1.22	1.27	1.07
Alfalfa, No. 1		30.00	30.00
Prairie, No. 1		14.00	17.00

HOGS

EXCELLENT DUROC BOARS

Sired by Super-Spotlight, Lo Thickmaster, Perfect Trend, and Crusader Ace. These are 4 to 12 months old, heavy hammed, low built, real feeding quality and will improve your herd. Registered, immune real quality Durocs, nice red color. They please. Prices reasonable. Write, phone or come. New blood for old customers. Durocs only since 1904.
G. M. SHEPHERD, Lyons, Kansas

REGISTERED DUROC BRED GILTS AND WEANLING PIGS

Gilts bred to or sired by Golden Lad. Pigs by Golden Lad dams, and sired by Spotlight Chief \$25.00 up.
HERMAN POPP, Haven, Kansas

DUROC CHAMPION BRED GILTS

Bred to champion bred boars by Royal Fleetline 1st and He' Do' Model, for last half of March and April 1st farrowing. Also splendid September pigs. One very outstanding serviceable boar.
B. M. HOOK & SON, Silver Lake, Kansas

HAVEN HOLLOW FARM DUROCS

Fall Gilts bred to Stylish Wonder for August and September litters. Registered. Immune. Guaranteed.
G. F. GERMANN & SON, Manhattan, Kansas

REGISTERED SPOTTED POLAND CHINAS Choice Spring Boars and Gilts with plenty of length, deep sides and deep full hams, sired by Pawnee King and Blue Ace. Few unrelated pairs. Four merit litters. Also fall bred gilts and one litter sons. Double immune.
J. V. Cundiff, Talmage, Kan. (4 1/2 miles north)

ETHYLEDALE FARM Improved for type and bigger litters. Best of breeding. Choice fall boars and fall gilts ready to go.
DALE SCHEEL, Emporia, Kan., Rt. 2

Dual-Purpose CATTLE

OFFERING MILKING BRED SHORTHORN BULLS

Calves to serviceable age. Reds and roans. Production tested and classified dams, up to "Excellent." Also a few females.
Peterson & O'Donnell, Rt. 2, Junction City, Kan.

● AUCTIONEERS ●



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Auctioneer and Complete Sales Service
Write, phone or wire
Haven, Kansas

Ross B. Schaulis, Auctioneer
Purebred Livestock, Real Estate and Farm Sales. Ask those for whom I have sold.
CLAY CENTER, KANSAS

SHEEP

Sixth Annual MIDWEST HAMPSHIRE RAM SHOW and SALE

Sale held at the Swine Barn—Missouri State Fair Grounds

Sedalia, Missouri

Show: 8 A. M., June 23

SALE: 10 A. M., JUNE 24

5 Breeds Sell

Hampshires, Suffolks, Corriedales Shropshires and Oxfords

Classes for aged, yearling and ram lambs, yearling ewes and ewe lambs. Banquet—6:30 p. m. Hotel Bothwell Dance—9 p. m. Liberty Park, Friday evening, June 23.

For catalog write to

ROLLO E. SINGLETON, Sale Mgr.
State Department of Agriculture, Jefferson City, Mo.

NATIONAL CORN BELT STUD RAM SHOW & SALE

State Fair Grounds

Des Moines, Iowa

June 26, 27, 1950

150 entries—Rams and Ewes Studs and Show Sheep from Americas Stud Flocks.

Hampshire—Suffolk—Shropshire Cheviot—Oxford—Southdowns Carloads of Rams in some breeds available. Catalogs and information

DON PULLIN, Sales Manager
Route 1 Waterloo, Ia.

Beef CATTLE



ANGUS DISPERSAL at Private Treaty

Because of ill health it will be necessary for me to dispose of my small herd of purebred Angus cattle. The herd consists of the following: One cow, 5 years old. Seven cows, 2 to 3 years old. One heifer, 1 year old. Seven heifer calves, 1 to 8 months old. One bull, 3 years old. These cattle are all registered or eligible for registration. Priced reasonable.

EMIL NIEDENTHAL

R. R. 1 Russell, Kan.

SPENCER HEREFORDS



Sires in service CK Royal Duke 3rd reserve champion bull 1948 Kansas Futurity. M. H. Royal Tredway 93rd by WHR Royal Tredway 8th. We have sons and daughters of these 2 great bulls in our herd that look like real prospects. Our cow herd consists mostly of descendants of Advance Stanway cows from the Gordon-Hamilton herd purchased by us in 1945.

Watch for our dispersion sale this fall.
JOHN SPENCER, Whiting, Wetmore, Kan.

REG. POLLED HEREFORDS

Bulls and females 8 to 14 months old.

HARRY RIFFEL & SON
Hope, Kansas

POLLED HEREFORDS

A tried sire. Also serviceable-age bulls from our old stand-by bloodlines that has been so reliable and produced so many show winners for us.

Jesse Riffel & Sons
Enterprise, Kansas

Polled Shorthorns

Males and Females, 6 to 20 months old. Sired by Alpine Charmer and Collynie A Wun. Prices are right.

HARRY BIRD & SON
Albert, Kansas

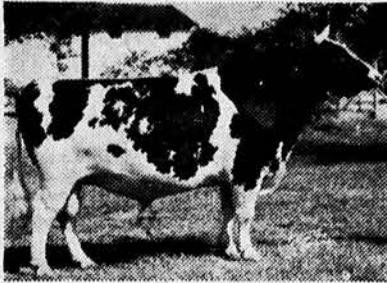
POLLED SHORTHORN BULL
We can spare Staff Master X2497954, our junior herd bull. He is a roan 2-year-old son of Valley View Representative that was grand champion at the Southern Nebraska show and sale at Fairbury. The Miller Stock Farms, Mahaska, Kan. Clyde W. Miller.

BERT POWELL

AUCTIONEER
LIVESTOCK AND REAL ESTATE
1529 Pias Avenue Topeka, Kan.

Patronize These Dairy Month Boosters

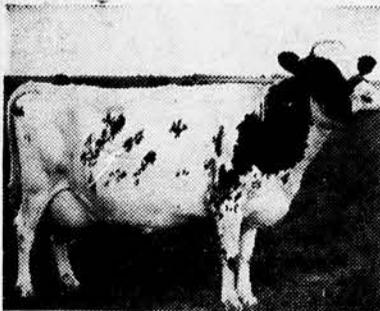
WOODHULL AYRSHIRES



We have won 7 constructive breeder awards. Over 417 lbs. fat average for a 7-year period. Classification score of .868 for 1949 on 28 cows. We have developed more approved bulls than any other herd in the Central States. It is not by accident that Woodhull Ayrshires have been consistent sale toppers. Woodhull bulls have been in demand as herd sires by the most discriminating breeders. We usually have breeding stock of both sexes for sale. Call on us any time.

G. FRED WILLIAMS, Hutchinson, Kansas

TURK-AYR DAIRY FARM



This is a picture of Crissie Printella sired by one of the greatest bulls that ever came from Woodhull Farm. She has classified excellent. Second at the American Dairy Royal. First in the best uddered class. This grand cow has 7 daughters and granddaughters in our herd at the present time. Printella is a sample of the type of cattle we are breeding at Turk-Ayr. We constantly have in mind the breeding of cattle with type, conformation and production. In other words the kind that pay off at the pail. Visitors always welcome.

TURK-AYR DAIRY FARM
Clarence B. Beat, Owner, Wellington, Kansas

CRISSIE PRINTELLA



Locust Lea Ayrshires

Herd average 8,915 lbs. 4.1% milk. 368 lbs. fat M. E. 2X. Type classification .842. Now offering select pedigree bulls from calves to serviceable age. Out of dams with 485 lbs. fat M. E. 2X. Visitors welcome.

JOHN C. KEAS
Effingham, Kan.

REED HOLSTEINS

Herd average 15,482 # milk.
584.8 # fat. 3.8% on 2 X.

Second highest average in United States for all time 16 to 30 group. Herd sire Maytag Ormsby Fobes 14th whose first 5 daughters averaged 525 on 2 X 4% test. At the present time we are offering sons of this good bull calved in February. They are out of dams that average 600 lbs. fat for 5 lactations. Classified Good Plus. Also one bull from a V. G. cow, whose 4 lactations averaged 500 lbs. This dam also made 122 lbs. fat last month. Buy the best at

ERNEST A. REED & SONS
Lyons, Kansas

SLUSS BROWN SWISS Herd Established in 1919.



Our herd represents the blood of such great bulls as Judd's Bridge Sultan, Lee Hill's Sandra's Royal, Forest Dixon's Gronyer and Royal Valley Boy of Lake View. Most of these bulls have classified Very Good. During the years we have been breeding Brown Swiss cattle we have won many District and National Championships and Grand Championships. We have also furnished breeding stock to some of the good herds in the following states: Arkansas, Connecticut, Colorado, Illinois, Iowa, Indiana, Kansas, Missouri, Ohio, Oklahoma, Michigan, Nebraska, Texas, New Mexico and to the countries of Cuba, Europe, South America and Central America.

We have spent over 30 years in building this herd of cattle. We also feel that we are breeding the type of Brown Swiss that the most careful breeder is seeking today.

Farm located 4 miles south on hwy. George D. Sluss, El Dorado, Kan.



PRAIRIE VIEW SWISS FARM HERD Sires

A son of Maiden Betty Boy out of a Duke Dam whose daughters are looking very prominent. A son of Swiss Caroline, highest living lifetime butterfat cow of the breed who is sired by a son of Col. Harry. Our junior herd sire is a son of Double Janes Design and out of Hulunda Vogel 3rd. Sons of above sires for sale out of cows up to 700 lbs fat. Could spare a few females at this time. The herd is Tb. and Bang's tested. Visitors welcome.

EARL WEBER, Arlington, Kansas
6 miles south and 2 miles east. Phone 69F14

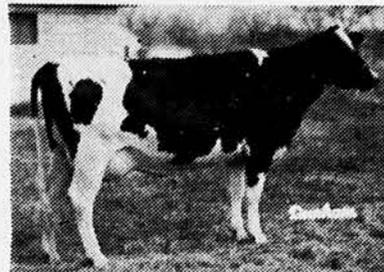


RETNUH FARMS Reg. Milking Shorthorns

We can most always supply your demand of both sexes and most ages. If you want the best, come visit us. (When better Milking Shorthorns are bred we will have them.)

JOE HUNTER, Geneseo, Kan., Rt. 1, Phone 128F1

KANSAS BRED HOLSTEINS



This 2-year-old heifer is the type of dairy cows we are breeding on our farm. The herd at present time scores 85.7 for type and the DHIA herd average on 24 cows for 1949 was 477 lbs. fat with a 3.74% test.

The herd is descended largely from daughters and granddaughters of Sir Bess Tidy, 731137, recently made a Gold Medal sire. Three strongly bred Burke bulls have been used in succession since then.

TIDY POSCH ALZARES, 2915602
1950 All-Kansas 2-year-old at Kansas Black & White Show

Available at present: A 3-weeks-old bull calf from a 582-lb., Very Good, 2-year-old daughter of Weber Burke Raven, recently classified Excellent, and Silver Medal Production Sire. Next dam a 524-lb., Very Good, daughter of Clyde Hill Elsie Tidy Lad, 813522, Gold Medal Sire. The calf is sired by an intense bred Burke bull, which was junior champion at both Kansas fairs in 1948. He is from a 667-lb. dam.

DAWDY HOLSTEIN FARM, E. A. Dawdy, Salina, Kansas

SMOKEY VALLEY HOLSTEINS

23 years of constructive breeding. Five bulls have been proved, with an X classification score 81.4. Young bulls for sale out of dams of Carnation Countryman and Dale Mar Dreaming Sam.

W. G. Bircher & Sons
Ellsworth, Kansas

Higher View Dairy Farm Holsteins

Using the Following Herd Sires:

Clyde Hill Elsie Lad 6th, whose 6 nearest tested dams averaged 735 lbs. of fat and Crescent Beauty Charming Segls whose brother heads the Hickory Creek Farm breeding program of McHenry, Ill.

Farm located 4 miles north of Hays, on highway 183. Visit us any time.

J. D. and E. E. FELLERS
Hays, Kansas

ZIMMERDAL SWISS FARM

Offers for sale an 18-month-old registered Brown Swiss bull. Sired by son of Marie's Royal of Lee's Hill, out of a Very Good dam with 2 butterfat records over 600 pounds.

ROSS W. ZIMMERMAN
Abbyville, Kansas

SERVICEABLE AGE HOLSTEIN BULL FOR SALE

Grandson of Carnation Madcap Marshall whose two nearest dams have a record of 1,011 lbs. fat. GILBERT BEAGEL, Alta Vista, Kan.

Livestock Advertising Rates

1/4 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.

MIKE WILSON, Livestock Editor
912 Kansas Avenue
Kansas Farmer - - Topeka, Kansas

JUNE 17

WILL BE OUR NEXT ISSUE

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

FRIDAY, JUNE 9

If your ad is late, send it in Special Delivery to 912 Kansas Ave. Kansas Farmer, Topeka, Kan.



Registered and Pure Bred WISCONSIN HOLSTEIN CALVES

For Higher Production Herds

Exceptional offering of registered and pure bred Holstein, Guernsey and Brown Swiss heifers and bulls from the finest herds. Tested, vaccinated. Well started—no milk required. Fine selection always on hand. Approval shipment. Write today.

Lowest Prices on HOLSTEIN Cows and Bulls J. M. McFARLAND & Son Watertown 2 Wisconsin

REGISTERED HOLSTEIN BULL CALVES



Up to serviceable age from classified dams with high production records up to 730 lbs. fat at farmer's prices.

WALLACE J. BECKNER
Belle Plaine, Kansas
Phone 3F2

BULL CALVES FOR SALE

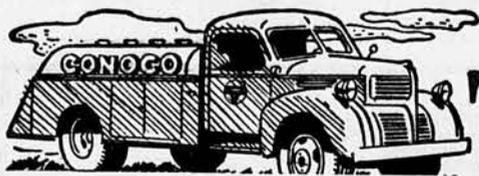
We bred and developed the first and only Holstein cow in Kansas to produce 1,000 pounds of fat in 365 consecutive days. Young bulls with high-production dams or granddams.

H. A. DRESSLER, LEBO, KAN.

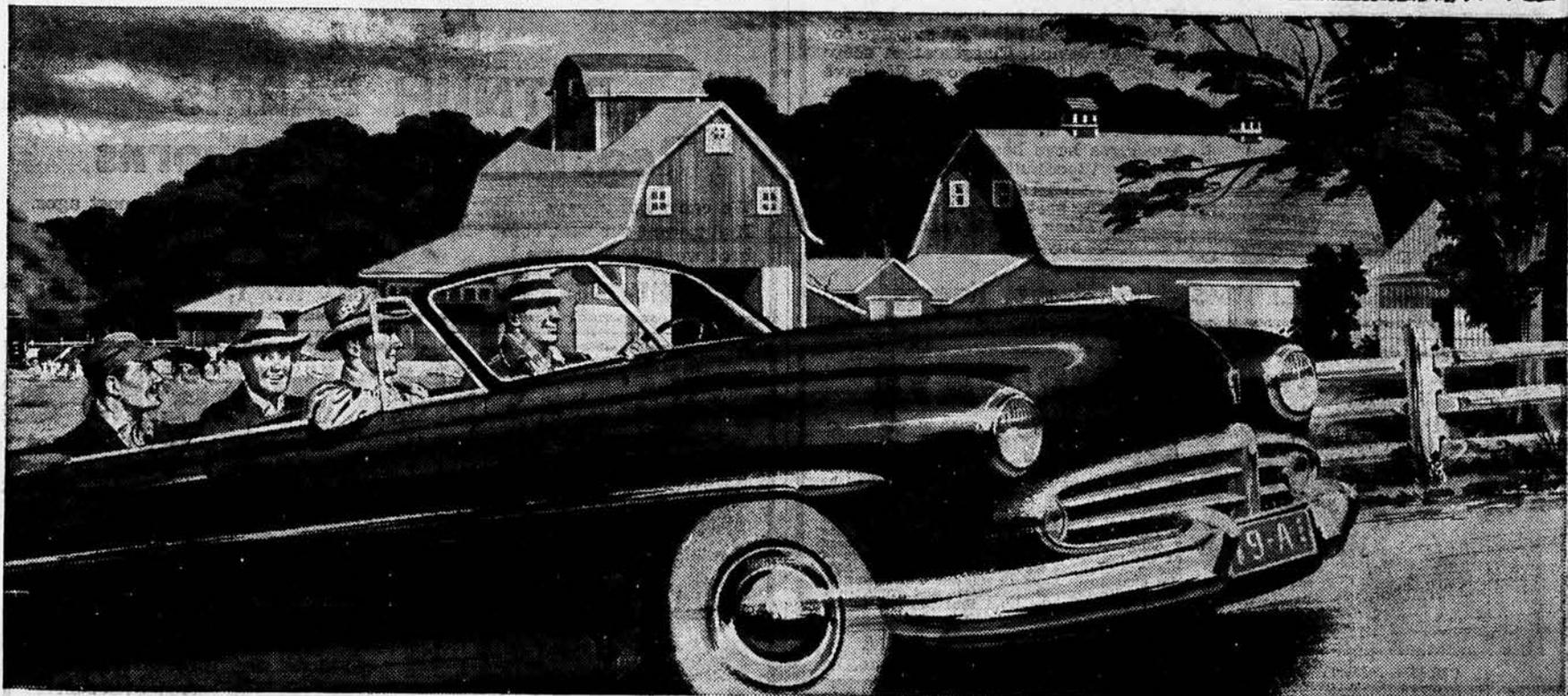
Save for Your Future!

For Tomorrow's Needs, Invest in

U. S. Security Bonds --- Today!



The Tank Truck



50,000 Miles—No Wear!

1. Punishing 50,000-Mile Test! To test new Conoco Super Motor Oil, six brand-new cars were driven over the hot desert along the Mexican border at 60 m.p.h. for 70 days! At the end of 50,000 miles of continuous

driving, the engines in these cars showed no wear of any consequence...in fact, an average of less than one one-thousandth of an inch on cylinders and crankshafts! Factory finishing marks still showed on piston rings!

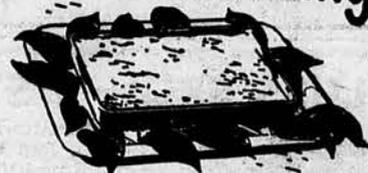


2. New-Car Mileage! Engineers were astounded to find that the gasoline mileage for the last 5,000 miles was just as good as for the first 5,000 miles...in fact, there was an average difference for the fleet of only 4/100 of a mile per gallon! This astonishing test showed, as nothing else could, that Conoco Super Motor Oil, with proper crankcase drains and regular care, can keep your new car and tractor new.



3. Full Power! Quicker Starts! Yes, new Conoco Super Motor Oil can keep your car and tractors new and clean! It virtually stops wear before it starts! Conoco Super Motor Oil OIL-PLATES metal working parts, to make them last longer, perform better, and use less fuel and oil. For a drum or a 5-gallon can of this sensational new Conoco Super Motor Oil, call Your Conoco Agent or Jobber right away!

Cheese Pudding



... by Mrs. Ray Kerstetter,
R. 1, Alta Vista, Kans.

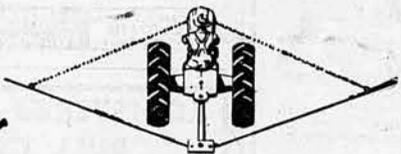
3 thin slices buttered whole wheat bread
1 1/2 cups grated cheese
4 eggs, slightly beaten
3 cups whole milk
1 teaspoon salt
Dash of pepper

Place slice of bread in greased baking dish, add cheese, more bread and cheese, alternately. Mix eggs, salt, pepper and milk. (Heat milk first and pour over beaten eggs.) Pour this mixture over contents of baking dish. Set in a pan of hot water and bake in a moderate oven (350°) until firm. Serves 8.

Send your favorite recipes to Mrs. Annie Lee Wheeler, Conoco Cafeteria, Ponca City, Oklahoma. A \$7.50 pair of Wiss Pinking Shears awarded for every recipe published with your name. All recipes become property of Continental Oil Company.

FARM KITCHEN

Corn Stalk Breaker



To break corn stalks, join 20-foot lengths of 2-inch pipe to plate, fasten to back of tractor. Run light chains from ends of pipe to front of tractor. Ray Filsinger, Clearwater, Nebr., wins prize for this idea.

To Save Posts



To save fence posts from grass fires, cut the bottoms out of 5- or 10-pound Conoco Grease buckets and slip over the posts. Fill the buckets with sand or dirt, advises Billy J. Blackledge, R. 1, Richland, Texas.

CONOCO



PRIZES FOR IDEAS!

Send your original ideas to *The Tank Truck* in care of this paper—and get a genuine \$8 D-15 Henry Disston Hand Saw for every idea that's printed!

YOUR CONOCO MAN