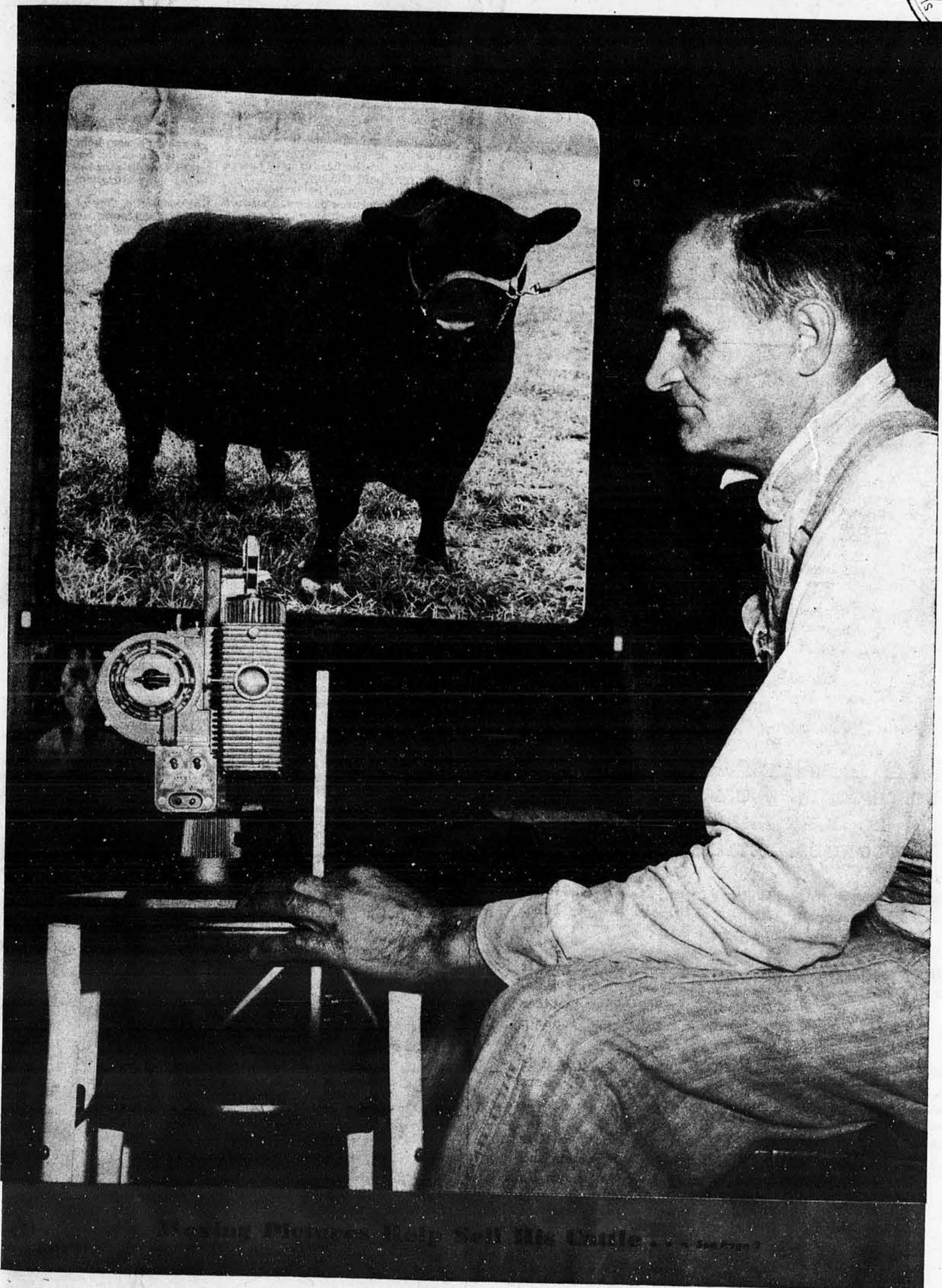


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Kansas Farmer

JANUARY 15, 1949

CONTINUING MAIL & BREEZE



Granite City Strongbarn Roofing Resists Severe Hail Storm

reports Clayton Cole, Wellington, Kansas

Other buildings with conventional corrugated roofs, badly damaged by terrific wind and hail



"When roofing can stand up under the kind of storms we have in Kansas, you can bet I'll recommend it to any farmer," writes Clayton Cole of Wellington, Kansas. "Shortly after I put Granite City STRONGBARN roofing on a new garage on my farm, we had the worst hail storm that I can remember in all my years in Wellington. The storm was so intense it killed chickens, blew buildings down and tore off conventional grade roofing for miles around."

"After the storm was over, I inspected my garage. It was not damaged at all. In fact every sheet of STRONGBARN roofing was firmly in place. Not even a nail was loose!"

"It's STRONGBARN for me from here in. And my neighbors will know the STRONGBARN story, too."

STRONGBARN GALVANIZED STEEL ROOFING AND SIDING IS STRONGER, BETTER, CHEAPER

STRONGBARN

is stronger than 26 gauge conventional roofing even though 21 lbs. per square lighter.

STRONGBARN

means tighter roofs and siding. It stays flat and even, with tight joints. That's why it resists winds that tear and buckle conventional roofing.

STRONGBARN

is easy to apply. Because it is stronger and tougher, it wears longer and better.

STRONGBARN

saves you money because it is lighter. Also because Purlins and Girts in new buildings can be spaced further apart than required for conventional galvanized roofing and siding.

See your dealer or write

GRANITE CITY STEEL COMPANY
Granite City, Illinois

The Cover Picture

MOVING pictures of his Aberdeen-Angus herd. That is a record which Oscar C. Latzke, Geary county breeder, keeps in addition to the usual full supply of pedigrees. This pictorial background is an added convenience for prospective buyers. And Mr. Latzke uses it to refresh his own memory, as well.

On the cover of this issue of Kansas Farmer, Mr. Latzke is shown with his movie projector and screen set up in his living room. The mature bull on the screen is Hardwickmere 60. It emphasizes the importance of this moving-picture record of his herd, because Hardwickmere 60 now is dead. His dam was Estamere, International grand champion in 1938. Her sire was International grand champion in 1926. And, Mr. Latzke says, "As far as I know, he was the only bull of his breed in Kansas out of an International grand champion."

Hardwickmere 60 was an expensive bull to buy, as you might guess. But Mr. Latzke says the first crop of calves sired by him paid the difference. Now that the bull is gone, he is happy to have moving pictures of him. Pictures that are unposed—Hardwickmere in his everyday clothes. Prospective buyers can scan his pedigree. At the same time they can sit in a comfortable chair and actually see him walking about the lot.

Used 2 Pictures

There was a little trick in getting the cover picture this time. As you well know, to see a picture projected on a screen the room must be dark. But light is required to snap a picture with a camera. So, actually, this cover required 2 pictures. Ed Rupp, Kansas Farmer associate editor, snapped the picture of Mr. Latzke and his projecting equipment in his living room. Then he borrowed the negative of the picture of Hardwickmere 60, former herd bull, from Anderson Studio, Junction City, and superimposed it on the picture of Mr. Latzke and his movie outfit.

Since Hardwickmere is no longer around to pose for pictures, this cover shot would have been an impossibility without the picture taken by the Junction City firm.

Mr. Latzke began keeping this moving-picture record of his cattle about a year ago. And in these few months he has accumulated an impressive display. Many of his pictures were taken on the nationally important J. Garrett Tolan farm, Pleasant Plains, Ill., and the Penney and James farm, Hamilton, Mo. Some of the bloodlines in his herd descend from the Tolan farm and are related to Penney and James stock. He has 75 feet of film taken on the Tolan farm alone.

Should weather be bad when a prospective buyer stops at the Latzke farm, he can see moving pictures of the herd while enjoying the warmth of the



Moving pictures help Mr. Latzke in his registered-cattle business. The story tells how. It also tells how this cover picture was taken.

Latzke home. One of the present herd bulls is Eileenmere 1004, a son of Eileenmere 585 whose sister, Blackcap Tolan 150, was International grand-champion female in 1946. You can guess that Mr. Latzke has pictures of Eileenmere 585 in his file.

On his dam's side, Eileenmere 1004 has an impressive background, also. He is a double grandson of Eileenmere 85, International grand champion in 1935. Another of his bulls, Eileenmere (Continued on Page 3)



This sign, along highway 77 south of Junction City, gives directions to the Latzke farm. Mr. Latzke says it has been helpful in bringing prospective buyers to his place. Perhaps more farmers could employ farm markers like this to their advantage.



This is one of the present herd sires on the Oscar Latzke farm. He is Eileenmere 1073. This bull has an impressive background of International champions, and Mr. Latzke has a moving-picture record of many of these famous cattle.



Farm Service Bulletin

1073, is a three-fourths brother to Eileenmere 1000, another Tolan bull that was grand champion at the American Royal in 1948. These, too, he can show you on his movie screen.

Pictures of his cow herd can be thrown on the screen for prospective buyers. They show his cows in the lots during routine feeding operations. Without a prepared script, Mr. Latzke can give you a running account of each animal as she walks toward the feed bunk.

Next summer he intends to make more colored pictures of his herd out on green grass and alongside of ponds in his pastures.

Altho he sells some animals to registered breeders, Mr. Latzke's ambition is to make the average-farm cattle better. And that is where he sells most of his stock—to the average farm buyer. But whether the prospective buyer is a commercial producer or a purebred breeder, he will find Mr. Latzke's pictures entertaining as well as helpful in selecting the proper animal for his herd.

Big Soil Payment

Payments of nearly 4 million dollars are expected to be approved for Kansas farmers who practiced soil conservation in 1948, Glenn H. Johnson, chairman of the State Production and Marketing Administration committee, Manhattan, announces.

The money will go to 50,000 farmers who participated in the 1948 program in Kansas, he said. The payments represent about 50 per cent of the farmer's cost for such practices as terracing, contouring, construction of sod waterways and erosion-control dams, and application of agricultural limestone and commercial fertilizers.

Total acreage figures Johnson listed for soil-conservation practices in Kansas in 1948 included: 218,000 acres terraced; 115,000 acres of intertilled crops on the contour; 277,000 acres of close-sown crops on contour; 42,000 acres of strip cropping; 1,800 stock-water dams; 22,000 acres of old pasture reseeded; 108,000 acres of green-manure crops plowed under; 135,000 acres treated with superphosphate; 281,000 acres treated with agricultural limestone.

Big Job

The protection of terraces is needed on 11½ million acres of cultivated land in Kansas. To date, about one tenth, or slightly over a million acres, have been terraced. Lack of adequately protected farm drainageway and terrace outlet areas is definitely holding back the construction of needed terraces in Kansas.

Usually areas of well established, dense sod provide the most desirable outlets for terraces. These may be meadows, pastures, natural drainageways, or channels constructed on some portion of a field. Outlets should be of sufficient size and number so terrace discharge water may be divided into small flows which will not wash out the grass and develop troublesome gullies. It is important that flows be small enough so damage can be repaired easily, or so that the sod may re-establish itself before another break occurs.—Walter E. Selby, K. S. C.

Senator Capper on Radio

Every Sunday afternoon at 3:30 o'clock Senator Arthur Capper discusses national questions over WIBW radio station.

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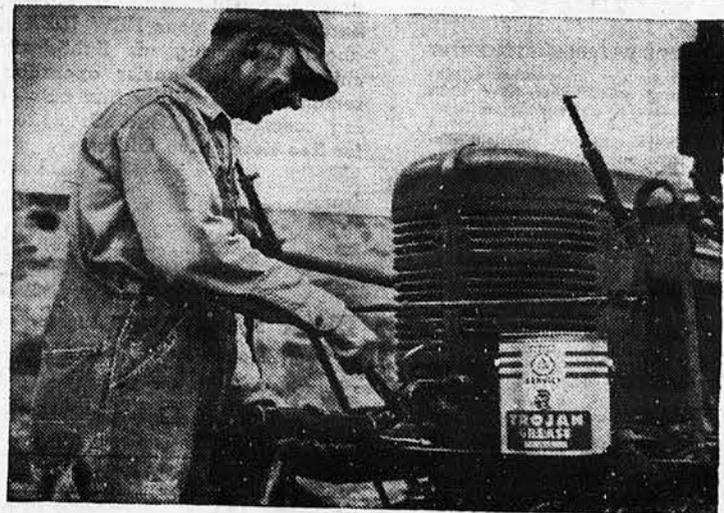
4 LABOR-SAVING FARM KITCHEN—This handy set-up, with vegetable bins in front, sink at left, knife rack at right, and garbage hatch in the counter, is a new step-saving farm kitchen planned by USDA. Your local carpenter can build it.

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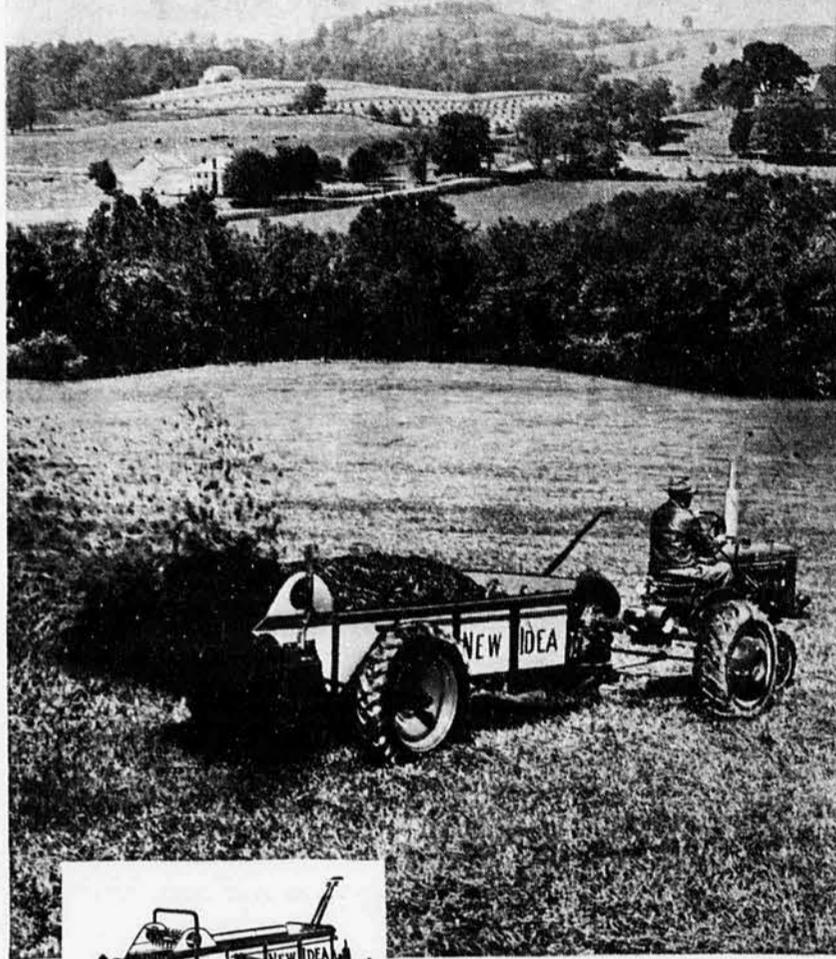
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Is This True About Our Poultry?

ALARMING changes in the Kansas egg production and marketing situation are taking place, according to poultry processors.

Here are some of the trends which are affecting production and marketing of eggs in the state:

Fewer and larger farms mean fewer poultry flocks on farms.

Egg profits are in line, but gross income from poultry flocks is too small compared to grain and livestock income.

Large net profits from grain and livestock discourage farmers from handling laying flocks.

High over-all farm net income makes it possible for the farm wife to meet family expenses without handling poultry.

High taxes are encouraging farmers to level farm buildings, live in town, and farm land with mechanical power.

Processors are finding that fewer, smaller and more scattered farm flocks

are making procurement costs too high. Farmers are not interested in quality of eggs because additional profits are too small.

What's the answer? Processors and college poultry specialists advise:

1. Make your laying flock large enough to bring a fair share of your gross income—not fewer than 300 layers.

2. Use most-efficient equipment obtainable for handling the flock with a minimum of labor.

3. Buy only high-quality chicks from accredited hatchery. This means chicks with strong, disease-free bodies and high egg-laying ability.

4. Use most-efficient management in feeding but feed well on a balanced ration, using only quality feeds containing a recommended high-protein content.

5. Handle eggs for highest quality to insure extra profits and a ready market. Sell on grade basis, if possible.

Need 10 Million Broilers

BROILER production is getting off to a good start in Kansas, reports G. D. McClaskey, educational director for the Kansas Poultry Institute. Development of broiler production in Kansas was started by the institute in October, and meetings have been held thruout the state to interest growers and processors.

Some 50 broiler producers now are in operation, Mr. McClaskey says, with an annual capacity of between 500,000 and 600,000 birds. This is a good start on the estimated 10 million birds needed annually to supply Kansas processors and the market.

Kansas processors during 1948 shipped into Kansas about 1½ million birds for processing and reshipment back to eastern markets, it is reported.

Are We Losing Out On Poultry and Eggs?

ARE Kansas farmers in danger of losing the poultry and egg business? Some processors and farm leaders believe they are.

A national farm leader recently made this statement: "I think it would be a mistake to keep on thinking we can look to the general farmer to produce the quality of poultry and eggs needed. The poultry and egg producer must either get in or get out, for his own good. Specialization must come."

Another leader says: "I think most positively that Kansas will sink to the level of a spring surplus of eggs which find their market largely to the breaking plants, and little more than self-sufficiency for the rest of the year for the old-fashioned general farm. The alternative is more farmers who will make poultry raising a semi- or exclusive-specialization."

Here is the situation on poultry meat production in Kansas as outlined by the Kansas Poultry Institute:

1. The quantity and quality of market chickens produced in Kansas have been declining at an alarming rate.

2. Kansas farmers, as a whole, who are interested at all, are primarily interested in egg production. More and more they are buying sexed pullet chicks for laying-flock replacement and, therefore, do not have much in the way of broilers and fryers to market.

3. The few chickens a farmer may have to sell are readily absorbed thru local consumer channels.

4. Enormous quantities of out-of-state market poultry are being shipped into the state.

5. Quality of shipped-in birds is superior to the non-uniform and small quantity produced in Kansas and is in greater demand at higher prices.

6. The once-a-year small lot of farm-raised chickens is far short of local market needs. This encourages out-of-state growers to regard Kansas as their market.

7. The profitableness of specialized broiler and fryer production has been well established in other areas, most of which are no more advantageously situated than is a large portion of Kansas.

8. The production of young, fast-grown, well-fleshed, well-feathered, and tender-meated chickens as a specialized activity is almost unknown in Kansas.

Raising quality broilers and fryers

on a commercial all-year basis in Kansas has the following distinct advantages, states the institute:

1. Offers a means of utilizing locally-produced feeds more profitably.

2. Provides job opportunities in production, manufacturing, processing and distribution.

3. Makes unnecessary the importation of out-of-state chickens for Kansas consumers. A ready market is assured.

4. It eliminates the expensive and wasteful practice of exporting feed and importing chickens.

5. It provides all-year use for production and processing facilities and equipment now idle much of the time.

6. Establishes a new and profitable phase of agriculture in an area adapted to its development.

Environment factors favoring specialized or commercial poultry production in this area are:

1. Favorable climate (with possible exception of about 6 weeks during the heat of summer).

2. Adequate feed supplies.

3. Adequate processing facilities.

4. All-year market outlet.

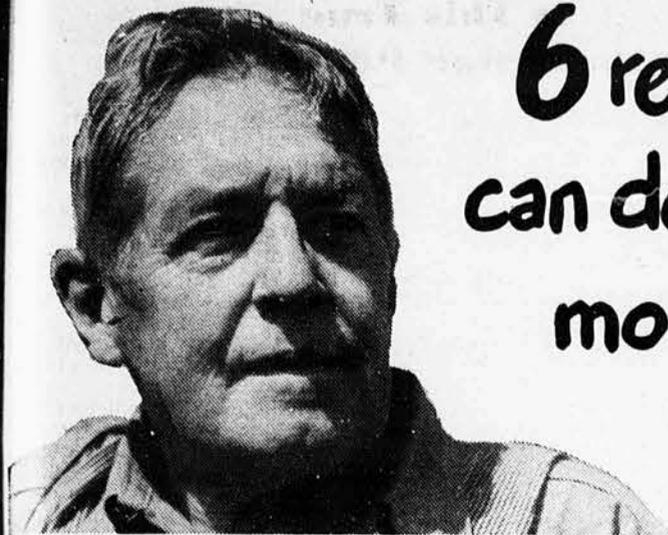
5. Central location for efficient distribution.

Because broilers are best raised in confinement and large numbers can be handled in a small area, most of the interest in Kansas to date has been among suburban and small-town residents. Some processors are being forced to establish their own broiler-production farms, too.

These trends, if continued, will take the poultry business right out of the hands of farmers. Processors would prefer that production remain with farmers but must have poultry and eggs to keep their plants operating. If farmers do not produce enough, other sources will have to be found.

Power on the Farm

How to use motors on farm jobs is given in the new descriptive booklet published by Westinghouse Corporation. Anyone desiring a free copy of the booklet may send his order to Kansas Farmer's Bulletin Service, Topeka.

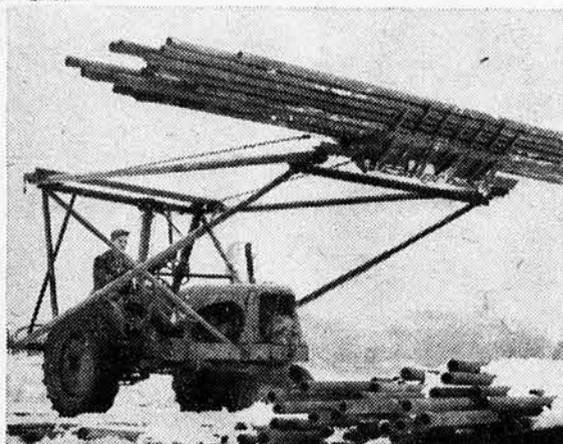


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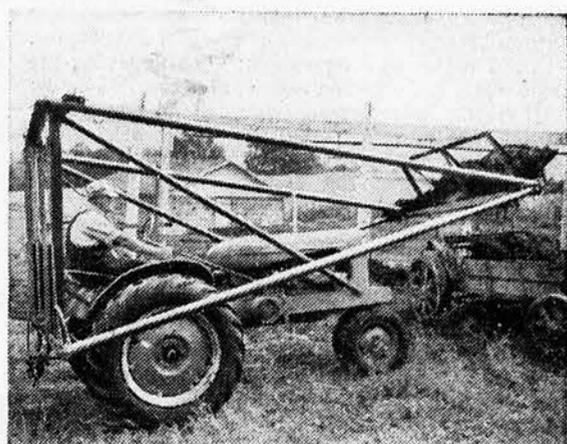
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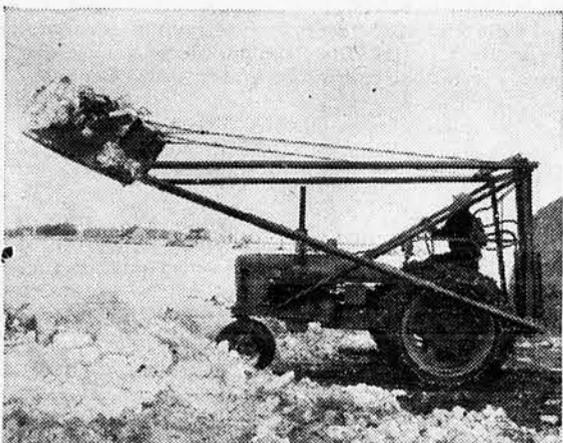
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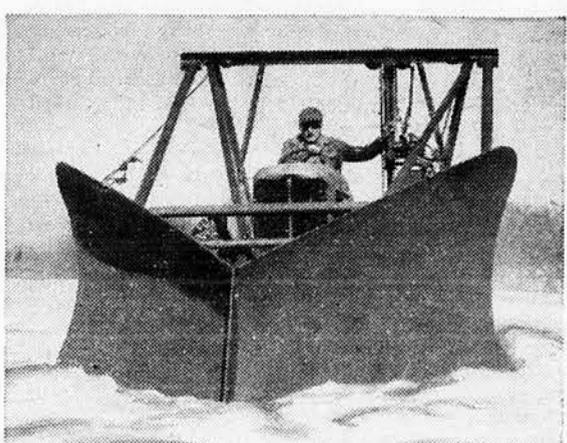
3. MANURE FORK. Digs into those hard-packed piles and rips loose 1,000 lb. loads in one bite. Handles with "Wrist-Action" leverage motion, rocking load loose from pile before you start to lift, thus saving strain on tractor and wheels. Loads up to 27 spreaders per hour with precision control, dumping whole forkfuls exactly where you want them, gently, evenly, with no damage to equipment.



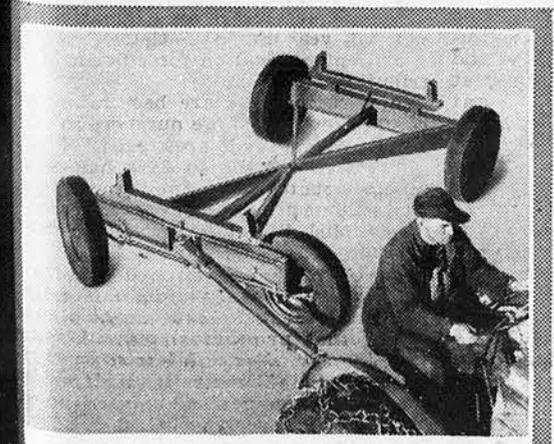
4. SAND AND GRAVEL PLATE. Slips on the Manure Fork in a jiffy for lifting and moving big loads of sand, gravel, earth and other loose materials. Ideal for construction work, road repair and filling gullies or building dams. All FARMHAND Attachments are beautifully balanced and engineered for their jobs, solidly built of finest materials for long, trouble-free service.



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Family Goals

By Dick Mann

WHEN you think of Balanced Farming, you think about the big problems of proper land use, and balancing crop and feed production with livestock.

But there are some problems that easily can make your Balanced Farming program a complete success if they are worked out early in the project.

Three of these problems are: (1) Improving the home while the children are still home to enjoy it; (2) making arrangements for college educations while the children are small; and (3) working out farm programs that will give the children definite jobs to do, and a chance to earn all or part of their college funds.

These problems have been getting special attention from Mr. and Mrs. Richard Worden, of Johnson county. They have 4 children: Betty, 15; Frank, 13; Carol, 12, and Mary, 6.

The Worden farm home is 50 years old and, while solid and comfortable, never was modern until the Wordens got busy on the problem. They wanted the house modernized while the children were home to enjoy it.

During the past year, major home improvements have been made with the comfort and enjoyment of all members of the family in mind. Most important improvement was putting a complete water system into the home. This, in turn, made possible a modern kitchen with sink and built-ins, a utility room, and a bathroom.

A former porch was enclosed to make the bathroom, and the Wordens did one thing here that many families overlook. When building the bathroom, they provided a lot of storage space by making the room large enough for several wall storage cabinets. "Few families have enough storage space or, if they do, it's never where they need it," says Mrs. Worden.

A special playroom for the children is being provided by remodeling and refurnishing an old parlor-bedroom. The Worden home is one of those with both a living room and a parlor. When completed, the playroom will provide for the entertainment needs of all 4 children.

"We made only one change in our plans here," says Mrs. Worden. "We had planned to get the children a radio-phonograph this year, but put that money into a home freezer instead. Savings thru use of the freezer will help us buy the radio-phonograph later."

The next improvement planned by Mr. Worden is a central heating system. "I am trying to get a gas line or a gas well drilled on the farm," he said. "If that doesn't work out I will try to put in oil or some other kind of heating system."

A definite program for helping the children earn their college funds is used by the Wordens. "If you don't make those plans while the children are small, the funds just aren't there when they need them," says Mr. Worden.



Above: Mr. and Mrs. C. M. Williams, Lois and Jeaneen, Johnson county, see New York from atop the Empire State building. They try to plan a trip every year.

At Left: Clyde Westhoff, shown here in his dairy barn, has a plan to help his son thru school and into a business for himself.

Helping the children earn their college money is done thru co-operation in their 4-H Club projects. Mr. Worden has a beef cow herd and each of the children is encouraged to carry baby-beef projects. The parents provide the calves and the feed for them, but the children keep records on the cost of calves and feed used. When they sell the calves the money is all theirs.

Thru these projects Betty already has \$1,000; Frank \$650, and Carol \$350. Frank and Carol still have a calf to sell, which will boost their total. All the children put their money into savings accounts. In addition to the \$1,000 she has saved, Betty also buys her school clothes from her project money.

All this would seem to be a very good program for the entire family, but Mr. Worden is not satisfied. In the third year of his balanced-farming program, he is making major changes everywhere.

For instance, his 480 acres are getting more legumes, a better crop rotation, and all grain now is fed on the farm. But his major livestock projects of beef and sheep are getting an overhauling, too.

Sheep are being dropped out of the program, beef numbers will be reduced, and a dairy herd already is being built. There are 3 reasons for these changes. Mr. Worden lists them as: (1) Dairying

in the Kansas City milkshed area offers less risk. (2) Dairying will give his growing children more opportunity to help with the farm program, and (3) he wants a steady cash income thruout the year to meet the needs of his family.

The children are being considered, too, in another farmstead improvement. The Wordens want to landscape their farmstead this year. To give the children a part in it, they will be encouraged to handle it as a 4-H Club project.

Another Johnson county farmer who is considering his family's future instead of today's profits is Clyde Westhoff. He has a 146-acre farm, all of which could be cultivated. Before 1946 he did general farming with no particular program or goal in mind.

In 1946, however, he joined the pure-milk association and decided to build his farm around a dairy program. "I probably could have made more money these last few years with grain," he says, "but I am getting a lot more satisfaction out of dairying and knowing that I am giving my land the proper care." Mr. Westhoff has all but 13 acres of his farm seeded to grasses and legumes.

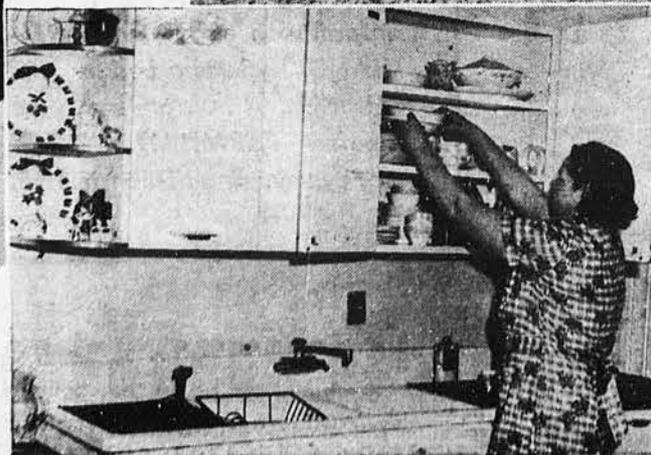
He remodeled a poultry house into a grade-A dairy barn, and some [Continued on Page 29]



Above: Richard Worden is changing from a beef-sheep program to a beef-dairy program to give his family a steadier cash income as school expenses increase. He also is making major changes in his farming program—growing more legumes, has a better crop rotation, and is feeding all grain produced.



Above: Neighborhood ice-skating parties are good winter fun for these farm folks. Shown here on the Loris Rausch farm pond, Johnson county, are, left to right: Clyde Williams, Frank Worden, Betty Worden, Mrs. Lois Rausch, Lois and Jeaneen Williams, and Carol Worden.



At Left: Mrs. Richard Worden is proud of this modernized time- and labor-saving kitchen. She thinks the farm home should be made attractive while the children are home to enjoy it. The kitchen improvements are only part of a house-wide rejuvenation program to make the home a center for family activities.



Farm Matters

AS I SEE THEM

demands certain obligations to the farmer, then we are getting somewhere near a good, sound understanding.

I think the first obligation is to realize that farmers are not selfishly mining the soil, and thoughtlessly letting the soil wash away.

It is true that a great deal of fertile soil has been lost. Every farmer admits that. But remember this: We had to experiment over long years before we developed good methods of soil saving and building fertility. The same as industry had to experiment over long years to turn out good products. If you will recall, the first steam engine wasn't a streamliner; the first automobile wasn't multiple-horsepower luxury; the first radio didn't have television. Men in industry know that experiments are necessary in their business; they realize the same is true in agriculture. New experiments will bring to light better methods of handling our soil, the same as further experiments will bring us better automobiles and radios.

An obligation to the farmer is to have faith in his respect for, and appreciation of, the soil. It is utterly ridiculous to believe, or fear, that the farmer is cropping the soil with no thought past the present. His own future welfare depends on holding onto his soil and keeping it productive. The future welfare of his children depends on it. I firmly believe the deepest hope in every farmer's heart is to leave the land to his children in better condition than it was when he first started farming it.

Another obligation to the farmer, of first importance, is simply understanding he must have cost-of-production plus a decent profit for his products, or he cannot continue to operate. Everybody has been too quick to blame the farmers for the high cost of living. This is the same farmer who "stuck to his guns" and fed us during the drouth and depression years—at a loss to himself. This is the same farmer who doubled his hours of labor and set new records in production to feed us, and help feed other peoples, during 2 dreadful world wars; at a profit, of course, but not at a profit out of line with everything else.

But with this profit I see things being accomplished. Farm homes are being improved, the rural standard of living is being raised, and soil conservation is making real strides. That is the basis for a strong, sound agriculture in the future. Good farm homes and a desirable standard of living will urge more of our best farm-reared young men and young women to remain on the land. And good farm income will enable these very capable people to farm the soil most advantageously for the good of the whole country.

I think the American people should be greatly interested in substantial farm incomes. When prices go down, as seems likely, we shouldn't expect farm prices to drop first, quickest and most, as has been the case in the past. That is the surest road I know to a complete breakdown in this country.

The sensible thing is to keep our biggest big business—agriculture—on the solid footing of profitable prices for its products. That being the case, our farms will remain in the most capable hands. And the big problem of soil erosion will be solved.

Arthur Capper

Topeka, Kan.

DIRECTOR of the food and agriculture division of the Economic Co-operation Administration, D. A. Fitzgerald, reporting at the agricultural outlook conference of the Department of Agriculture, made some observations of considerable interest to American farmers, particularly to those in the Wheat and Corn Belts.

Foreign demand for American farm products on the whole in 1948-49 will be less than either 1946-47 or 1947-48, Doctor Fitzgerald believes. Foreign demand for the next year (1949-50), he says, will depend "in considerable part" on the appropriations Congress may make for ECA (European Recovery Program).

"It often has been assumed," Doctor Fitzgerald said, "that the appropriations made for the European Recovery Program represent an additional demand over and above the demands of the last 2 years. In fact, however, the 5 billion dollars appropriated for 1948-49 (current marketing year) is considerably less than the 7 to 8 billion dollars worth of purchases in excess of current earnings made by participating countries in the previous 2 years. Limited buying of some of our surpluses, such as tobacco and fruits," he says, "results from inability to find enough dollar exchange."

For some other American farm products, dollar exchange is being made available in amounts substantially adequate to take up a major part of our exportable supplies.

"At the head of the list," according to Doctor Fitzgerald, "is bread grains—primarily wheat. Ever since the war, most European countries have had a bread ration. They place an increase in the ration, or its elimination, very near the top priority for dollars."

In 1947-48 the United States exported to all destinations some 480 million bushels of wheat. The demand for this year (1948-49) apparently is going to be about the same.

"The best guess is that production of bread grains in 1949 will be somewhat less than prewar," Doctor Fitzgerald believes. "In this event, (European) imports are likely to be no less than in 1948-49."

Next to bread grains, feed grains are in greatest demand. Western Europe, with livestock products only 70 to 75 per cent of prewar, is desperately anxious, to use the language of Doctor Fitzgerald, to get feed grains and protein feeds to rehabilitate its livestock industry. Doctor Fitzgerald looks for exports of coarse-grain feeds both this year and next (1949-50) to be much larger than the prewar average.

The higher-cost foods, particularly meat and dairy products, take a considerably lower priority than food-and-feed grains. He looks for little, if any, exports from U. S. of meats. If American supplies permit, there will be some requirements for dry skim milk, evaporated milk and cheese, Doctor Fitzgerald believes. At present, there is not enough dry skim milk produced to meet export requirements, and ECA is not financing exports of this product.

Demand for beans and peas appears likely to be "somewhat less" than this year's production, Doctor Fitzgerald says, and adds, "It might be that for these crops farmers should consider going a little slow on production."

Tobacco exports this year will be no more than two thirds of those of 1947, but about equal to prewar. There are some signs that Western Europe may attempt to produce more tobacco on its own,

or go to types grown in other parts of the world than the United States. His picture of the future for American cotton exports is not too bright.

What it sums up to, as I see the picture painted by Doctor Fitzgerald—who generally is recognized as in good position to know—is that Europe will not continue to take 450 to 500 million bushels of wheat from the United States unless the United States furnishes the dollars, thru ECA or some other device. Or unless and until the United States will take several billion dollars more of foreign-produced goods in exchange. That is something for our wheat growers to be thinking about, in planning for planting next and succeeding falls. And the possibilities of an international wheat agreement should be pretty thoroly explored.

Sentiment in Congress the first week of the session has not developed to the point where one can speak with any certainty what will be done about support prices after this year.

Uneasy About the Soil

IFIND keen interest, more than ever before, developing among the general public in one of our farm problems. It is a very sincere interest in soil conservation. It asks this question: "How well and how long can our soil continue to feed us?" I think this can be a very healthy interest, providing it leads to a well-rounded understanding of how big the soil-saving job is; also, of the fact that the farmer faces not only one, but many problems.

Saving the soil is a popular subject right now in conversation, with writers and on the radio. It is pointed out how few acres we have to feed the peoples of the world. We are told that less than one fifth of the land area in the United States provides, directly as foodstuffs or fibers or indirectly as feed and forage for livestock, most of the agricultural products which go to meet our needs. We are told further that the 350 million acres, from which crops have been harvested in recent years in this country, represent about 2½ acres for each person living in the United States. And 2½ acres isn't a very big farm to support a person.

We also are told time and again how severely our soil has been eroded, how much fertility has been cropped out or washed down the creek. I am sure the story is getting over with more city people than ever before. On more than one occasion I have heard it stated that soil-conservation education in the city is ahead of soil-conservation practices on the farm. And it has been hinted that thru "fear for survival" city people may get impatient and demand some kind of compulsory law to force farmers to practice soil conservation.

Now, I want to say again this new interest in soil conservation on the part of the general public can be a very healthy interest. It can be, providing it leads to a complete understanding of the whole situation, instead of a misinformed mass hysteria. If it rashly accuses the farmer of mining the soil for his personal profit, of needlessly allowing the soil to wash down to the sea thus threatening the welfare of the country, then it serves an unfair, an untruthful purpose.

However, if it teaches the general public that making demands on the farmer brings with these

What the President Wants

By CLIF STRATTON

Kansas Farmer's Washington Correspondent

Then followed the paragraph on price supports:

"Farm-price supports are an essential part of our program to achieve these ends.

"Price supports should be used (1) to prevent farm price declines which are out of line with general price levels;

(2) "to facilitate adjustments in production to consumer demand;

(3) "and to promote good land use." Then, specifically:

"The authority of the Commodity

Credit Corporation to restore adequate storage space for crops."

The first paragraph states the goals—abundant production and parity income.

The next paragraph qualifies the "abundant production" by "facilitate adjustments in production to consumer demands," as has been pointed out in previous discussions of the probable trend of farm legislation in the Eighty-first Congress.

There is a general feeling in Congress today that this means 90 per cent parity support for major non-perishable crops—more than just the present "basic" crops—accompanied by pretty stiff production and marketing controls to hold production down toward consumer demands. Also producers not promoting good land use, under the language in the latest Truman message on the subject, would not get the full benefit of support prices.

Continuing the President's message: "Our program for farm prosperity should also seek to expand the domestic (Continued on Page 31)

WASHINGTON, D. C.—In his message to Congress, January 3, on "The State of the Union," President Truman made some general recommendations on which, presumably, the Administration farm program will be presented in more specific language to Congress. President Truman laid down this preamble:

"Our national farm program should be improved—not only in the interest of the farmers, but for the lasting prosperity of the whole Nation. Our goals should be abundant production and parity of income for agriculture. Standards of living on the farm should be just as good as anywhere else."

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Levee Hides Dairy Farm

But Even the Dike Grows Grass for Dairy Cows



A pull of the rope and 2 full cans of milk are hoisted in the air electrically on the L. S. McDowell dairy farm. With a pull on the opposite rope, the motor is reversed and cans are lowered into the cooler at left. It saves manual lifting.

JUST outside the city limits of Oswego, in Labette county, a gravel road leading northeast of town skirts the Neosho river. To the right the view is obstructed by a levee, obviously thrown up to protect the farm land beyond. It would be easy to drive by without ever seeing the farm. But turn in the driveway, over the levee. There lies a 300-acre dairy farm as pretty as you'll ever see. Buildings all have that new look. The paint is good and arrangement is convenient.

Owner of the farm is L. S. McDowell. As he shows you about his dairy you are not surprised at anything you see, even the everything is as up-to-date as now. You expect it. Most of the farm land is flat river-bottom soil. The kind that could produce 100-bushel corn. But instead of corn nearly all the fields are green even in late fall. They produce pasture for his herd of 40 or 50 Holsteins.

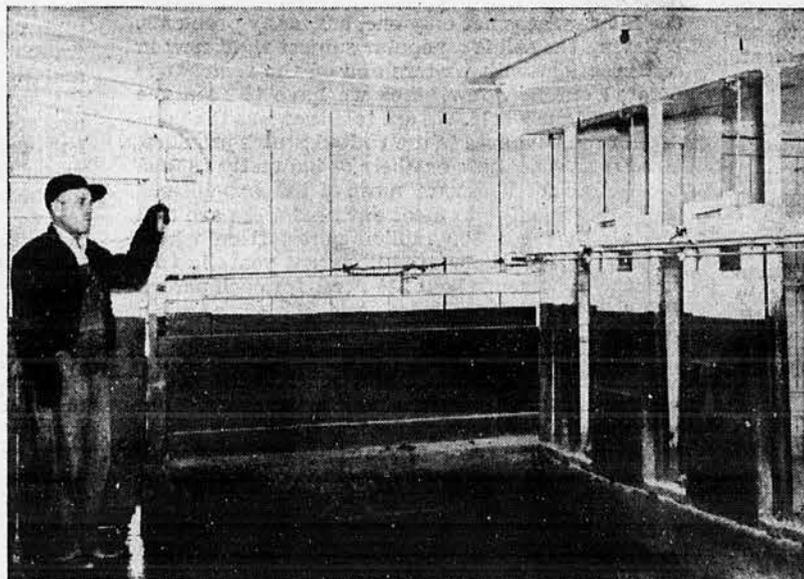
Makes More Pasture

To produce the most pasture Mr. McDowell has 280 acres divided into 7 fields, each tightly fenced. Leading away from the barnlots is a lane that extends out to the last field. On each side are gates to provide entrance into each field. With no more effort than just changing gates along this central lane, the dairy cows can be shunted into any pasture desired. It is a systematic plan for rotation grazing.

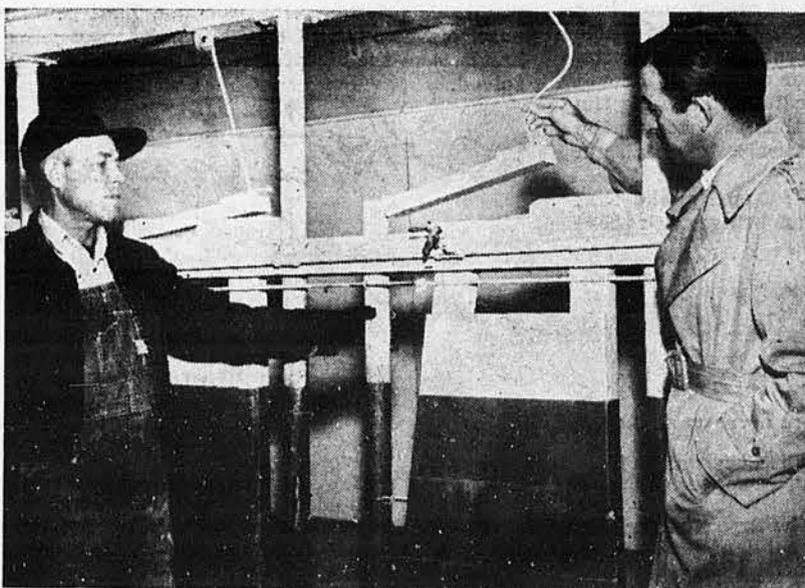
The crop plan for these divided fields is relatively simple. The basic ingredients are rye grass, alfalfa and row crop. There is a small amount of row crop, just enough for ensilage. He has 2 silos, but at least some of the en-

silage comes from the alfalfa fields. The first cutting of alfalfa is for the silo, the second for hay. If seed sets, the third is threshed and after that even the alfalfa is used for pasture.

Rye grass is the main crop. Altho he has used it with success, he does not claim it to be the best for his purposes. As a matter of fact he is thinking of other grasses, too, hoping to better his



With a pull of the lever located near the entrance to his milking parlor, L. S. McDowell, Labette county, can close all 12 stanchions at the same time. It saves the time required to fasten and release each cow individually. Even lighting is modern in this dairy barn. Notice the fluorescent light attached to the ceiling.



L. S. McDowell explains the simple operation of his stanchions to Warren Teel, county agent, at right. When the stanchion is closed, the latch which Mr. Teel is holding falls into place. When the cow is ready to be released, a pull on the rope from behind the cow lifts the wooden block and a spring opens the stanchion. Space between stanchions is closed, preventing feed spilling out of the manger.

pasture system. But the rye grass does not stand alone. Lespedeza is one crop he uses with it. The rye grass comes on early in spring providing good grazing. It matures in July when weather gets hot, then lespedeza takes its place. Another trick he uses is to seed oats with rye grass in fall. The oats will come on rapidly, producing pasture in fall at the same time providing cover for the grass. The following summer he harvests the combination. He is far enough south that much of the oats will live thru the winter.

Often dikes or levees thrown up around river-bottom farms are waste space. But not on this dairy farm. Even the levees are fenced and seeded. The main grass is Bermuda, but mixed with it are rye grass and lespedeza. It adds to the appearance of the farm and provides additional grazing area, too.

Has No Growing Calves

The herd itself is handled in an unusual manner. There are no growing calves on the place. All the feed goes to milk-producing cows and he buys replacements as they are needed. Mr. McDowell says the reason he handles his herd in this way is because he does not like to raise calves. But at the same time all the feed he produces is turned into milk, which may be an advantage. Since he does have good stock, other dairymen in the community are able to add to their herds from the calves he has to sell.

But there are other laborsaving devices on this farm which make it possible for 2 men to do all the work. One is the method of handling alfalfa silage. He has a special trailer for this job with an endless web running crosswise in the center of the bed. It is driven by the power take-off from the tractor. The web is approximately 3 feet wide and delivers feed directly to the blower.

But there are other handy devices. The stanchions in the 12-stanchion

milking parlor can all be closed with one lever located near the entrance. Then each stanchion can be opened separately from behind the cows with a tug on an overhead rope. The movable portion of the stanchion is held open with a spring.

Cleaning problem in the milking parlor is reduced because of concrete surfacing in the holding pens and corrals. Cows can come from either of the 2 combination loafing and hay barns to the milking parlor without getting on open ground. At milking time cows are brought in from one pen and leave the milking parlor by the same door, but are shunted into a different pen by a dividing gate.

The milk room, too, is designed to save manual labor. Full cans of milk are heavy to lift. In the McDowell milk room the lifting is done electrically. An electric hoist mounted on a 2-way track fastened to the ceiling lifts 2 cans of milk at the same time. Reversing the motor the cans are lowered into the milk cooler. And when loading the full cans onto the milk truck, lifting again is out of the picture. The truck is backed down a slight incline so the bed is even with the floor of the milk room. Cans can be rolled on edge to the truck without lifting them off the floor.



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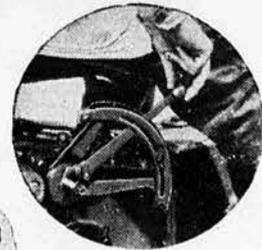
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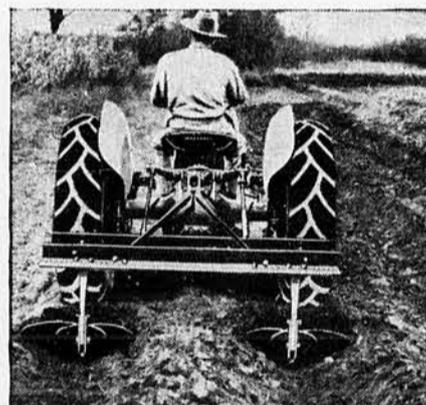
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I've Done Everything Wrong At Least Once

While Painting Inside Our House

By RAYMOND H. GILKESON

IN A very weak moment I promised to paint our breakfast room and kitchen. That made the woodwork in the rest of the house look so dull we (meaning Mrs. G., of course) decided to go ahead and paint it, too. Then you know what happened. Freshly painted woodwork made the walls seem so thumb-printed we (the same WE) decided to paint the walls. The job isn't finished yet, but I'm writing this so you can help us enjoy our misery.

Heading the list of don'ts (for husbands) is don't begin the job in the first place, if you can get your wife to do it for you. But you'll lose. So pick a nice, stormy day when you know you should be fixing fence or doing something else. Then you can worry about those undone jobs and the painting may not seem so hard.

First decision I had to make in the kitchen was whether to paint walls or woodwork first. Doesn't matter which you choose, it will be wrong. You'll drip wall paint on finished woodwork,



You'll be wrong no matter which you paint first, walls or woodwork. That is if you splatter.

or woodwork paint on finished walls. Those pesky little drops have a way of flipping off the brush in unexpected places. Of course, you don't find them until they are dry—all of them, that is.

I started on the walls first. Discovered cooking had left a thin coating of grease on them. So I washed it off with some bottled liquid advertised as simply magic. "Just moisten a cloth with it and wipe the walls," the ad said, "and off comes the dirt—just like that." It said the same thing on the bottle, too. And believe it or not, that's the truth. Walls were washed clean in half the time it had taken before with soap and water.

Patched the Cracks

Next thing was patching small cracks in the walls and large-size cracks around the chimney. Again I took the word of an ad in the paper and bought a box of patching plaster. I mixed some of this—thin—with water and painted it in the smaller cracks. Along the chimney I tried trowel, then fingers, and finally a little 15-cent paintbrush. The brush poked the plaster in the chimney corners in quick order, and the trowel did a final quick smooth-up job.

The notice on the plaster package said it would dry hard and quickly—and that's the truth! At first I didn't get enough water with the plaster, and had to work like Old Nick was after me to get it spread before it actually got as hard as a rock. Later I learned that just a little more water gives me some highly appreciated extra minutes. If you keep washing the patching plaster out of your little paintbrush every few minutes the brush will last longer.

I've discovered it doesn't pay to try dodging that second coat of paint. I



Don't try to make all brush strokes run the same direction on walls or ceiling. You will do a better job.



I started the job with all kinds of vim and vigor.

tried "pasting" enough paint on the first time over to make it a one-coat job, but was disappointed. It didn't work on the breakfast room—looked patchy. But the second coat smoothed things out just right. So out in the kitchen I thinned the first coat and used the same thinned paint for the second coat. I'll tell you this. The second coat goes on much easier than the first. Then you know the painting pattern to follow and that saves time and a great many brush strokes.

Here's a pointer worth remembering. On walls and ceiling, don't try to make all brush strokes run the same direction. If you do they will show up more in the finished job. Use the brush criss-cross or just all directions for a really good job. You will find, too, that today's quality paints do a pretty good job of helping smooth themselves out.

You'll Leave No "Seam"

If you have to stop painting for the day—or night as I did—be sure to stop at the square edges, like at the opening from kitchen to breakfast room. Then you can start from there next time without leaving a "seam." It is a little tougher to stop in corners, but you'll find it can be done pretty well.

No matter what awkward position you get in while painting you'll always find another one more uncomfortable. But if you will learn to use the brush with either hand—especially the small finishing brush—it will save you a lot of time, effort and leaning against something that has just been freshly painted.

Best shortcut I know to painting



Try to get your wife or daughter to paint around windowpanes and other fancy places.

around the windowpanes is that 4-letter word "wife" again. If she won't do it, just remember that some of the most worthwhile time spent on the job won't be in painting at all, but in getting the old peeled or chalked paint scraped and smoothed off, down to the wood if necessary. I found the inside bottom edge of our upper windows—where the lock goes, you know—in pretty needy condition. So I scraped and sanded down to the wood. That is another place you can't paste on thick paint. If you do it will peel up in short order. Putting on a primer coating is the thing, then another coating or two over that.

Take Your Time

In too big a hurry, I've gotten considerable paint on the windowpanes, thinking it would be a quick, simple job getting it off. A safety razor blade, in one of those special handles made for them, does the job quite easily but it

does take time. But in painting around windowpanes, I try to get just enough paint on the glass to make a bond between wood and glass. This keeps moisture from getting into that crack between glass and wood, thus preserving the wood and keeping the moisture from soaking into the wood and making the paint peel off.

If you will stick an extra 15-cent brush (1½-inch) in your hip pocket to use in brushing out the corners and crevices when you start on windows and woodwork, you'll thank your lucky stars. Much easier than trying to "blow them out" and getting dirt in your eyes like I did at first. The brush will whisk out the last crumb of chipped paint, dirt and sawdust and allow a smooth paint coverage in the smallest corners. Those tiny window corners are where moisture gets in and starts peeling off the paint, you know. But don't forget and try to do the dusting with the wrong little brush—the little finishing brush that has paint on it. I did and the results were not so good.

If you have extra beading around door and window casings, paint the inside channel of the beading first, like you do under weatherboarding edges on the outside of the house. This enables you to smooth on the paint with the fewest strokes. And always paint "off the edges" of casings and doors instead of against them, then there will be no runs, no drips, no smears.

Footstool Is Handy

While you will have plenty of use for a stepladder, also try using a footstool, or sturdy box. You can stand on it to



After long hours the brush seemed to get bigger and heavier. There is a right-size brush for the strength of your wrist.

paint the tops of window and door casings, instead of craning your neck and trying to reach just a little too high. A footstool is easier to handle than a ladder, takes up less room. Then, best of all, when you get down to doing bottoms of window casings and the lower door panels, you can sit down on it and save having sore knees.

When you get down to the mopboard take time to wash or scrape all dirt or wax off the quarterround. Paint might spread over the wax and stay for a little while. But it will chip off with the least bump. Use your small inch trim brush in painting the quarterround and on top of the mopboard, then use the big brush on the flat surface. This will keep paint off wall and floor—and take time. But when you start with the big brush you'll feel like you are making up for all you have lost.

We Thin Our Paint

We used one of these new oil-base wall paints right over the paper in front rooms and bedrooms, and are entirely satisfied with it. It goes on and



Work your brush out well on wheelbarrow or woodshed, wash in turpentine and then in hot soapsuds, and rinse in plain water. Then it will be ready for the next job or a different color of paint.

does a smooth one-coat job right from the can—under more expert hands than mine. We had our best success by thinning this paint one fourth and doing 2 coats. This worked especially well on the ceilings.

But Mix Enough

If you want a special tint you can mix your paints to suit yourself. The light blue for walls we found wasn't quite light enough, so mixed a can of white with it. Unfortunately we didn't mix enough first time, and tried mixing a second batch. They didn't come out the same, so 3 walls of one room got an extra coat of paint.

A handy gadget to have will be a spring doorstep to fit under the door you have painted. Then it will stay any place you put it and not slam shut on the painted casing.

I made the mistake of painting some of the top windows shut—probably because I thought I was in a hurry. Now I've got to crack them loose so I can paint the inside edge of the top window.

A few times I tried to work the paint in too well. The result was it got sticky and didn't turn out a smooth job. It had to be sandpapered later and painted over.

Also have made the mistake of trying to paint faster near the end of my time limit to get the job finished. It's better to take another day rather than rush, or you'll be trying to paint out shadows, like I did a time or two. I find shadows are stubborn and simply won't be painted out.

If your paintbrush handle gets sticky, it will pay you to stop and wash it off with thinner. You will save time—and feel more comfortable—in the long run.

Will Do Better Job

One of the best rules of the job is to use a small amount of paint on the brush at one time, and use the tips of the brush as much as possible. This will get paint on smoother, use less of it, there will be less dripping and splattering, and it won't be so likely to run down the handle and on down your arm when you reach up high.

When I first started I could easily get more paint on my hair, face, glasses and clothes than I got on the ceilings. And no matter how many layers of newspaper I put on the floor, I could still get paint on the floor under them. I don't know how I did it—simply happened without any effort on my part. But fortunately it comes off of waxed linoleum and wood without too much effort and cleaning fluid.

I'm nearly finished—with the job, that is. I can anticipate the scene. Priding myself on the fact that the paint came out exactly right, I'll call my wife to view the completed work.

"All done, used every drop of paint," I'll say, waiting for her ready praise. "Lovely job, proud of you, worth your weight in . . ."

But before she finishes her praise I'll bet we spy a place I missed, and no paint left to cover it!



I think I heard one of my very close relatives (wife) promising the house an outside coat of paint this spring, when I get done with the inside job. Ho, hum!



How much does a broken leg hurt?

The grin tells you that the pain in the leg is gone. But what about the pain in the purse? If you work for Standard Oil and

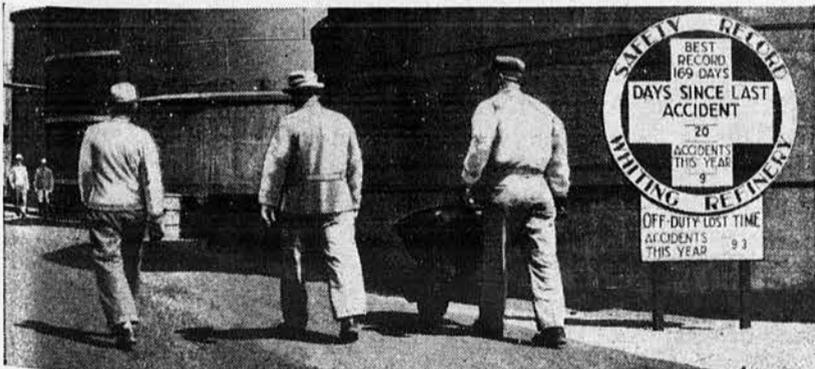
have an accident away from your job, you won't go broke. You may not feel comfortable, but you won't be bankrupt.



1. THESE BOOKLETS DESCRIBE to our employees one of the finest, broadest employee benefit programs in any industry. The program includes sickness and disability benefits, group life insurance. It includes group hospital and surgical operation insurance, covering the employee and his immediate family as well.



2. LIKE THIS COUPLE, nearly 2,000 retired employees already receive benefits under Standard's retirement plans, another feature of the employee benefit program of this company and its subsidiary companies. Participation is voluntary, but the advantages of the plans are so great that over 90% of our eligible employees have joined.



3. OUR ACCIDENT RATE is far below average. These men and their more than 46,000 fellow employees are actually many times safer at work than they are at home! In their work, too, they have another kind of security—their jobs are backed by an investment of \$25,000 per employee in tools and equipment. This investment, provided by Standard Oil's 97,000 owners, makes production possible and gives employees the means to earn high wages.



4. EMPLOYEES AVERAGE \$4,000. Yes, one year's wages and benefits now average over \$4,000 for each of our employees. These skilled, efficient men and women have responded by setting records, both in 1946 and 1947, for output of petroleum products that are in urgent demand by you and the nation. Again in 1948 new records have been set to help bring you more of the gasoline, fuel oil and other petroleum products you want.

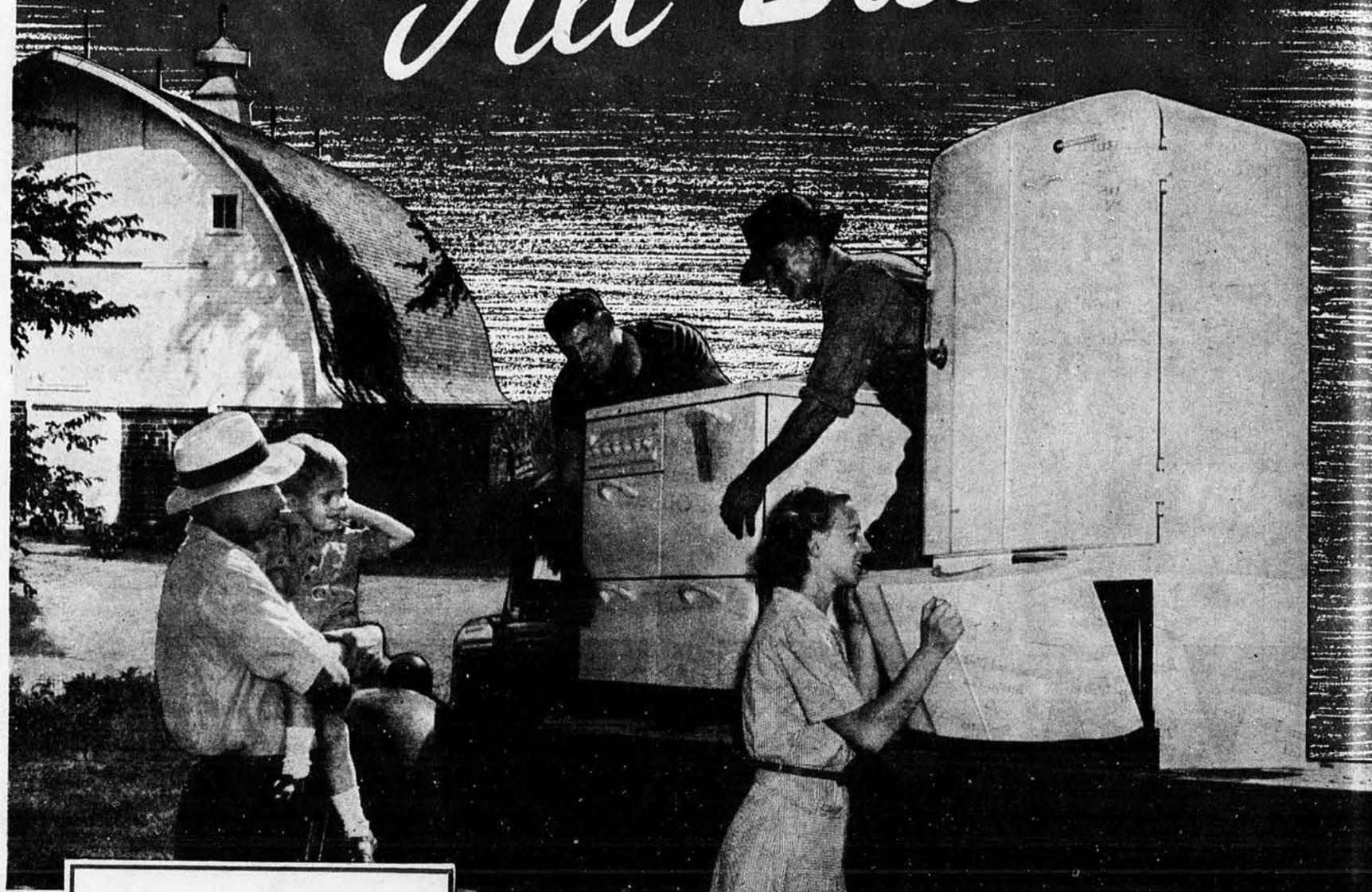
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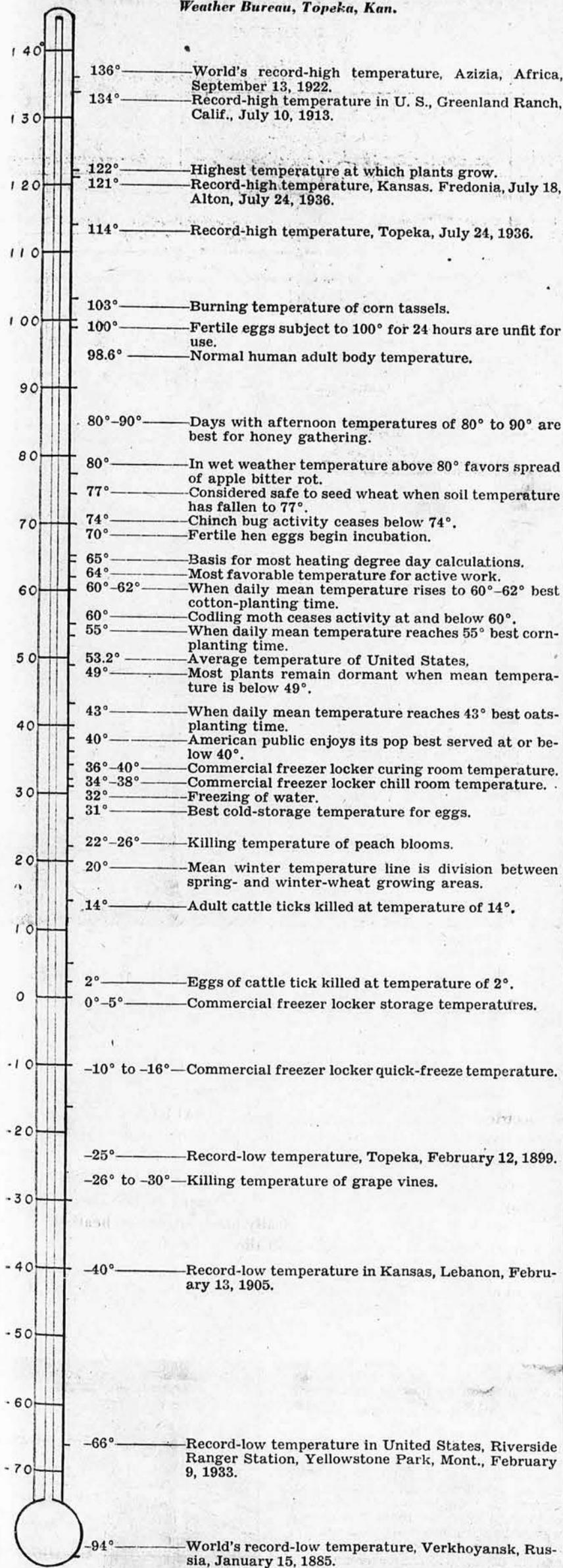
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**This Message
from the
Pioneers of
Rural
Electrification**

Little Thermometer Stories

By A. D. ROBB, Meteorologist
Weather Bureau, Topeka, Kan.



No doubt you have "Little Thermometer Stories" that will be of interest to readers of Kansas Farmer. Tell us about them in a letter to the editor.
—Raymond H. Gilkeson.

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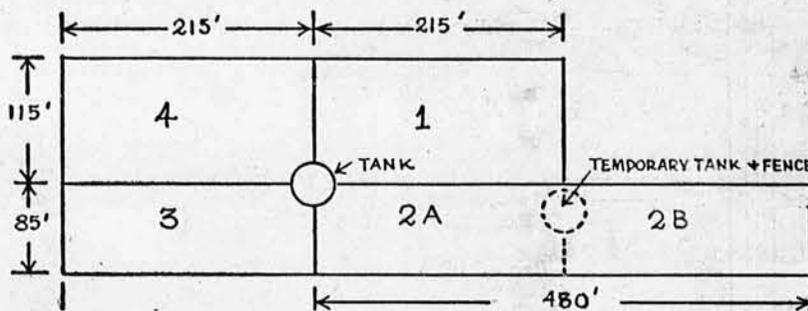
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Do Steers Need Room?

Raymond Hoyt Gets Better Gains in Small Pens

By ED RUPP



This is a freehand drawing of the cattle pens on the Wakefield Ranch. The temporary tank and fence dividing lot 2 was installed October 26 when weights of cattle indicated they had too much room for maximum gains.

FOR maximum gains steers in dry lot must be confined closely. That is a recommendation Raymond Hoyt, Cowley county, makes unhesitatingly after an experience of his last fall. With too much room to move about, steers will not put on pounds like steers in close quarters.

Mr. Hoyt's cattle program has been described in Kansas Farmer before. In general it consists of a good-size cow herd with creep-feeders out on range for calves. This is the stable portion of his program. Then, for additional feed and forage that he produces on the Wakefield Ranch, he runs a deferred-steer program to correspond with available feed supplies.

But his surprising experience of last fall occurred right in his feeding pens. First, look at his arrangement of feeding pens. A freehand drawing of them is reproduced on this page. It is not an exact picture but gives you an idea of his layout. He started last fall with 4 pens. Pens 1, 3 and 4 were somewhat alike, but pen 2 was considerably longer than the others. It was not divided as indicated in the drawing by the temporary tank and fence.

September 30, steers were run into the feed lots after being out on pasture. He weighed them in. In pen 2 he put 105 head that averaged 725 pounds. Lot 1 held 56 head that weighed in at 663 pounds. Lot 3 held 55 head that weighed in at an average of 871 pounds. Lot 4 held his creep-fed calves, starting with 79 head.

What the Steers Ate

The grain consisted of a mixture of milo and corn, 25 bushels of ground milo to 100 bushels of corncob meal. On full feed his dry-lot cattle were eating between 14.5 and 15 pounds of grain and cake a day in 2 feedings. Each head received 3½ pounds of cottonseed cake a day. In addition the steers were eating a mixture of alfalfa and prairie hay, about 3 pounds of alfalfa and 4 pounds of prairie hay each day for each steer.

Now look what happened. On October 26, Mr. Hoyt decided to run a check on his feeding program. All cattle on feed were run across the scales. Look at lot 2 first, the big lot. From September 30 to October 26 these 105 steers had gained from a start of 725 pounds to an average of 773 pounds. A little less than 50 pounds each in 26 days. Not quite 2 pounds a day.

Steers in lot 1 did much better. These 56 head gained an average of 82 pounds in the same 26-day period. They jumped from 663 pounds to 745 pounds for an average daily gain of 3.1 pounds. They had the same feed and the same treatment.

Lot 3 did even better. These 55 steers gained from 871 pounds up to 962 pounds in the same time. That accounted for an average daily gain of 3.5 pounds for each steer in that pen.

Too Much Exercise

Mr. Hoyt was far from satisfied with the gains made by his steers in lot 2, when compared with gains registered from lots 1 and 3. He noticed when driving into lot 2 with the feed truck that steers would run to the opposite end of the lot. Then there just simply was more room for these steers to run about during the day between feedings and the distance to the water tank was greater.

Figured out in dollars and cents, each steer in lot 2 was at least \$8 behind the other 2 lots in the 26-day pe-

riod on the same feed. Right then and there he made a decision. Lot 2 would be cut in half and a temporary water tank would be installed. This done, the steers were divided just as they came. They were not selected.

He ran another check on his cattle November 24. Those 105 steers in lots 2A and 2B registered an average gain of 100 pounds in the 28-day period. There it is, 3.57 pounds a day.

He checked the other lots on the same day. Lot 3 was up to par. These 55 steers gained an average of 102 pounds in the 28-day period for an average of 3.64 pounds a day. He had some difficulty with lot 1 which dropped the average for that period down to 2.1 pounds a day for the same period.

Fence Saved Beef

But the point is this: Dividing lot 2 in half changed the rate of gain from a little less than 2 pounds a day up to 3.57 pounds a day. There was no feeding change—a fence did the job.

Since calves in lot 4 were a different age, it may not be a fair comparison, as Mr. Hoyt points out. But they did make correspondingly good gains. These creep-fed calves were fall dropped in autumn of 1947. They were taken from the cows last summer, July 16. They went into the dry lot at an average weight of 496 pounds. He sold out a few and ran in a few others. But average weight September 10 on 79 head was 592 pounds.

Weighed again October 26 with the others, 69 head had gained 106 pounds each in 46 days for an average of 2.3 pounds a day. The total average weight was 698 pounds. Nine head sold at Wichita with an average weight of 703 pounds. Weighed again November 24 with the others, the remaining 69 head averaged 778 pounds, a gain of 80 pounds in 28 days. That is a little more than 2.85 pounds a day for each calf.

Mr. Hoyt does not hesitate to advocate small pens for steers on full feed. You will notice his pens are extremely small when compared with the average corral type of dry lot. More than that, he says he wouldn't take \$5,000 for his scales if he couldn't get another. It helps him keep an accurate check on his cattle.

Screws Sure to Hold

If you have trouble getting screws to hold, fill the holes partly full of steel wool. They will hold easily this way.—L.

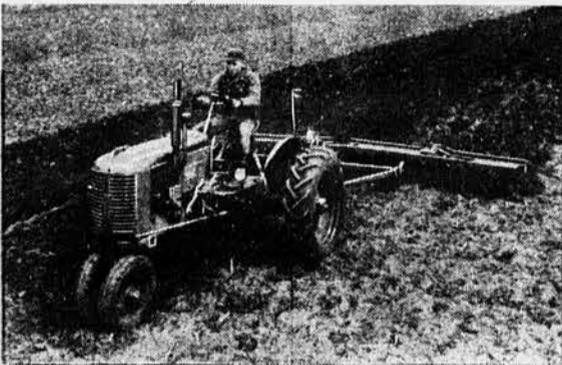


"If I have Gramma Brown's nose and Uncle Walt's forehead and Cousin Emma's eyes and Gramp Redmon's chin, doesn't anything belong to me?"

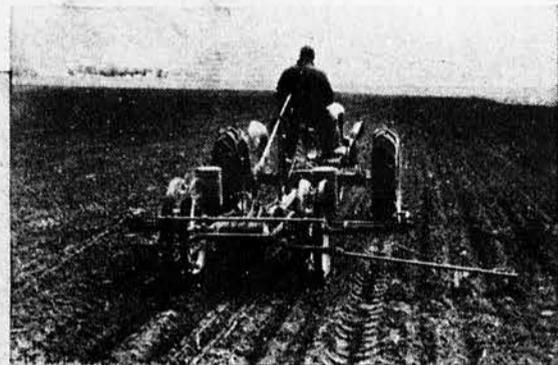


Plowing two full furrows is customary with the Case "VAC" tractor in average soils—one furrow in tough soils. It is shown here with the famous Case Centennial plow. There are also power-controlled, rear-mounted plows for the "VAC," built in two-bottom, one-bottom, and two-way models.

Single-disking 15 feet, or lapping half as shown here, goes along non-stop with the "VAC" and the wide-cut Case "PC" power-control harrow that angles and straightens on-the-go, crosses sod strips and grassed waterways without cutting, leaves headlands level, saves time and soil.



A hundred buttons a minute, 25 acres a day, is practical planting speed for the "VAC" tractor teamed with Case No. 45 precision planter. High-speed boot valves give good cross-check and closely bunched hills. Quick-Dodge steering of the "VAC" makes clean cultivation fast and easy.



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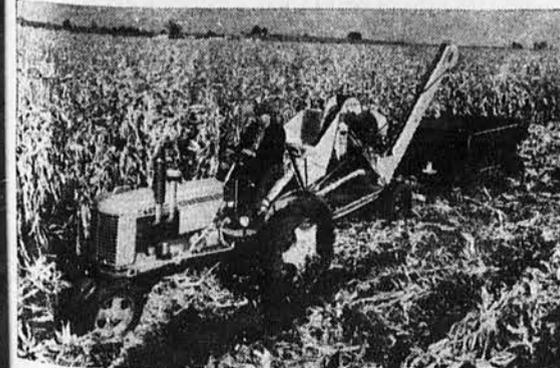


Eager power of the "VAC" and rubber-tired speed of the Case low-wheel grain drill hustle grain, grass seed and fertilizer into extra acres of ground. Seedmeter accuracy saves seed, brings more uniform stands. The full-swinging, self-locking drawbar makes short turns easy with full load.

Power to Hustle Harvest. The new 5-foot "F-2" Case combine and the "VAC" tractor make a brilliant team, each able to use the capacity of the other. Wide range of practical gear speeds gets full capacity in light or heavy crops of grains, beans, grasses—either standing or windrowed.



Haying Goes Along Fast when you hitch the "VAC" to a Case 7-foot Trailer-Mower, the Case tractor side-rake shown here, and finally the famous Case Slicer-Baler that most any farmer can afford. The fuel-saving fourth gear of the "VAC" is just right for light field work and for safe highway hauling.



Sure-footed traction of the "VAC" is a big help when harvesting corn. The "lugging ability" of its Case-built engine pulls steadily when throttled down, goes through tight spots without gear shifting. Shown here is the simple, light-pulling Case Model "P" one-row picker.

20 Great CASE Tractors

● This popular-priced, light 2-plow "VAC" is just one among four sizes and twenty models. Whatever your acreage or crop system, Case builds a size and type of tractor to fit your farming. All have extra ENDURANCE for long hours of steady work, long years with little expense for upkeep. All are built to get full capacity from implements, make the most of every man-hour, help you get high yields at low total cost. * * See your Case dealer for full information. Ask how soon he will show the Wisconsin Centennial feature film "Pageant of Progress." Write for the latest tractor catalog. Mention size tractor you should have, also anything you need in plows and harrows; planters and grain drills; Slicer-Baler, rake or mower; combine or forage harvester; corn binder or picker; spreader or hammer mill. Address Dept. 47, J. I. Case Co., Racine, Wis.

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Along with these four Begonia bulbs, I'm sending a subscription to my magazine "Seed Sense". It's free—and published solely in the interests of all my garden-minded friends. Also, I'm including my big, new catalog. Just send ten cents today, and my special offer, subscription and catalog will be mailed to you, postpaid.

HENRY FIELD
SEED & NURSERY CO.
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Dear Henry:
Please rush me the four Begonia bulbs exactly as described above... together with my FREE subscription to "Seed Sense" and my FREE copy of your big, new catalog. I enclose ten cents for the bulbs.

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Read the Ads in This Issue

There's a world of helpful information in the scores of advertisements in this particular issue of the Kansas Farmer. Read them carefully. If you want to find out more about the articles described, don't hesitate to write the advertiser.

You Can Buy Advertised Products With Confidence!

Do you suffer distress from
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Are you troubled by distress of female functional monthly disturbances? Does it make you feel so nervous, cranky, restless, weak, a bit moody—at such times? Then do try Lydia E. Pinkham's Vegetable Compound to relieve such symptoms! Women by the thousands have reported remarkable benefits.

Pinkham's Compound is what Doctors call a uterine sedative. It has a grand soothing effect on one of woman's most important organs. Taken regularly—Pinkham's Compound helps build up resistance against such distress. It's also a great stomachic tonic! All drugstores.

Monthly Female Pains

Pinkham's Compound is very effective to relieve monthly cramps, headache, backache, —when due to female functional monthly disturbances.



Change of Life
If the functional 'middle-age' period peculiar to women makes you suffer from hot flashes, weak, highstrung, irritable feelings—try Pinkham's Compound to relieve such symptoms. It's famous for this purpose.

Lydia E. Pinkham's VEGETABLE COMPOUND

Farm Wife Operates Pipe Organ or Tractor

By RUTH McMILLION

NORTH of the Cimarron river, in Clark county, lives Mrs. Mildred Broadie, wife of farmer-stockman Walter Broadie. The Broadies operate 1,280 acres and run 200 or 300 head of Hereford cattle, depending upon their wheat pasture.

Most of their farm land is in wheat. Mrs. Broadie's days are busy ones, particularly so in summer. Always she has one extra man to cook for thru the rush months and usually more. As a rule they milk and she makes butter, raises friers and does all her work.

During the war her sister, Mrs. Lee Evans and small son, spent 2 summers with them while Mr. Evans was in the service. During those months Mrs. Evans took over the housework and Mrs. Broadie ran the tractor the first summer and hauled wheat the second. But lending a hand during the help shortage did not affect Mrs. Broadie's touch on the keyboard, for she plays the piano proficiently, also the saxophone, and of late the Hammond electric organ. Each year her community makes a greater demand on her and her musical abilities.

Too, Mrs. Broadie is an ardent church worker, and she responds generously to all organizations that invite or requisition her talent. She has taught the pre-high school Sunday school class in an Ashland church for 13 years and takes the young folks bowling, skating, fishing and to her home for country picnics.

Presented Many Programs

She organized an all-girl choir and gave programs as far as 50 miles away. Also, with 2 other talented farm women she sings in a trio which is in constant demand. They have driven 260 miles in one evening to present their requested numbers. Mrs. Broadie has helped some in Evangelistic work and has been church pianist for 14 years.

In the past year the church ordered a new Hammond electric organ. Mrs. Broadie had never played the electric organ, but determined to be able to play it well for the dedication service. The organ was several months in coming, so with the co-operation of her husband Mrs. Broadie was able to go to Oklahoma City for one lesson, and later to Wichita for 5 more. From then on it was up to Mrs. Broadie. She drove 8 miles to one church and practiced on the organ from 12 to 14 hours a week to learn the keyboard and foot pedaling. When the new organ was dedicated Mrs. Broadie played it with beauty and grace.

She attends each morning and evening church service, which makes 32

miles of driving on Sundays, and usually goes in for the midweek service. Too, she is constantly called upon to play for weddings.

Once at night on the 16-mile trip into town and back in a pouring rain-storm her car bogged down. So Mrs. Broadie just walked 2½ miles in the rain for help. When she reached her destination her feet were so full of stickers and swollen she could scarcely walk, but she chuckles now when she tells it.

Mr. Broadie, in consideration of her musical diversion, recently bought a new piano, a beautiful console. And the lovely oil painting "Tranquillity" to accent it. "Tranquillity" is the painting of a fine old spinet with 18th century damsels grouped about it.

Mrs. Broadie is known thruout the community for her cheery disposition and willingness to serve. She and her music add a gratifying note to any manner of service.

Beans Pay the Way

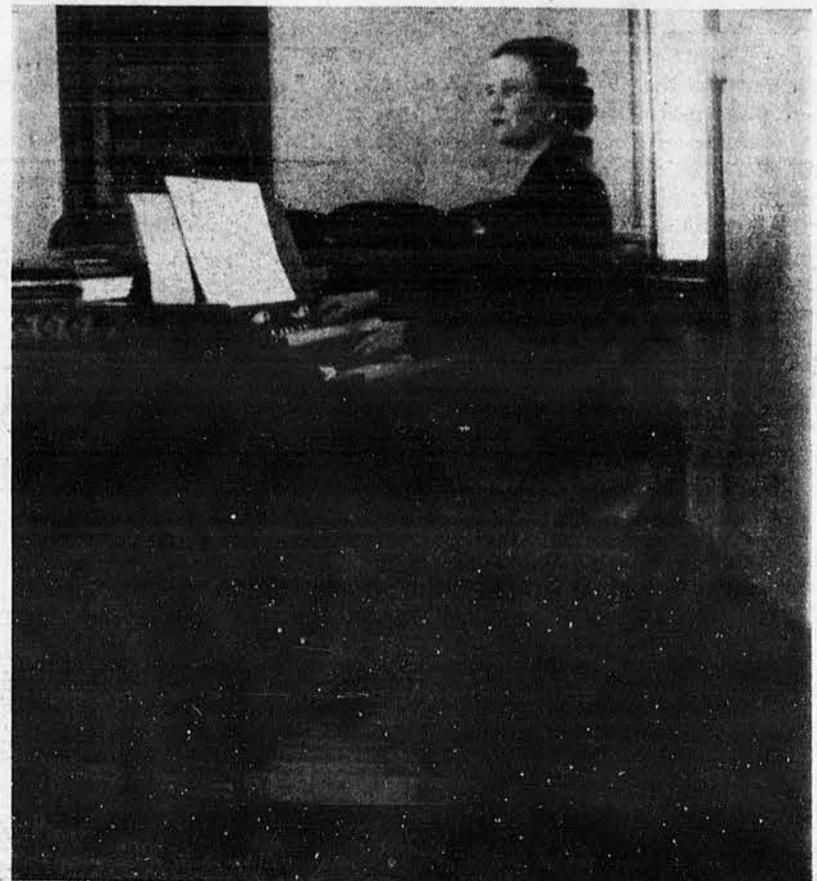
Several years ago Earl Edwards, Anderson county, all but quit his corn and cattle program to reduce winter work. He turned his main efforts to soybean production. Apparently it has worked out all right. Last year he averaged 24 bushels an acre with 290 acres of Hong-kong beans.

He has been growing large acreages of beans for 7 years in rotation with wheat, oats and sweet clover. Beans have a way of loosening the ground, making it subject to erosion. Mr. Edwards believes the way to prevent that erosion is to use "trash farming" methods. He uses a disk in place of a plow as much as possible.

He has one field that has not been touched with a plow in the last 7 years. It has grown beans 7 years in a row. The yield on this 120-acre tract last year was 25 bushels an acre. Mr. Edwards says he makes no attempt to explain yields like that—except that he didn't plow.

Builds Own Topper

How do you top your atlas or other tall row crops to save the seed? Alex Blomquist, Saline county, built a home-made sickle-bar attachment for his combine that fits above the guards in an upright position. It is fastened to the combine by 4 guard bolts. The verticle sickle is driven by 2 flanges which are attached to the horizontal sickle by removing 2 sections from it and riveting the flanges in place. At least it works and was quite simple to build.



Mrs. Mildred Broadie, Clark county, especially enjoys working with young folks.

Make Soil Surveys From Light Plane

ANOTHER job has been found for the small airplane. Preferably the "grasshopper" type. This time it is being used by personnel with the soil conservation service and it appears the airplane may serve them many hours a year. In the long run it may even help speed up the work of soil conservation.

Before a conservationist can begin to develop a "Farm Plan," he must have basic information about the capability of the land, degree and extent of soil erosion and general topography. He must have this information even before he can discuss the farm plan with the farmer. So the conservationist must spend 2 to 4 hours on a normal-size farm just to get this information. He must walk the whole farm to get a general idea of the slope, type of soil and what it should be able to produce and to view erosion that has taken place.

While traveling about the state H. G. Bobst, assistant state conservationist, Salina, has taken every opportunity to get up in a plane and look over conservation work. He is a flyer himself. He knows from experience how clearly the effects of erosion are displayed to the flyer, and how sharply conservation practices stand out when viewed from the air. It seemed to Mr. Bobst there should be some way this information, so evident to the flyer, could be made available to the conservationist.

Saved Many Hours

With the help of Richard K. Jackson, state soil surveyor with the SCS, and Dr. Claude L. Fly, state soil scientist, Mr. Bobst tested his plan. They went to Brown county to make a few initial surveys from an airplane. In 8 to 12 minutes from the air, they found they could do the same job which ordinarily requires several hours. They checked their surveys against old surveys that had already been made. The only difference seemed to be on points that could easily stir up an argument between soil scientists anyway.

They moved west to Nemaha county to try their plan on Bob Younghans, assistant conservationist at Seneca. Mr. Younghans had spent a good many hours in airplanes during the war as a navigator. He now is a pilot and an associate member of the Kansas Flying Farmers Club. They selected a farm to be surveyed and provided Younghans with a pilot so he could sit back and look at the lay of the land. His equip-

ment was an aerial photograph of the farm and he drew in his observations with a pencil. Returning to the office the map was inked in.

It took Mr. Younghans 30 minutes to do the job. Twenty minutes were spent in travel, 10 minutes each way. Only 10 minutes of actual flying over the farm was necessary for Mr. Younghans to get sufficient information for the initial survey.

May Reduce the Cost

At the same time Mr. Younghans left the office, Mr. Jackson and Doctor Fly drove out to the quarter section to make an initial survey in the normal manner. It took them 1 hour of travel time and 2 hours of work tramping over the farm. There is the way the methods compare. Thirty minutes against 3 hours. Then, too, it appears the cost could be reduced. It appears the cost of survey by plane may be only one third as much as cost of present surveys.

For this job a slow-flying, the tandem light plane seems best adapted. In this type of plane, the conservationist can see down on both sides and get a thoro view of the land.

Stop the Rabbits

Rabbits got an early start eating the bark of small trees in some sections of the state last fall. Ordinarily rabbit damage is not noticed until later in winter. It may have been the heavy November snow that caused damage in some sections. But there was damage in Cowley county where snow was not a factor.

Small trees can be wrapped to protect them, but painting the trunks with a rabbit repellent is quicker and effective, too. The standard repellent, as recommended by Kansas State College, is made from raw linseed oil and flowers of sulfur.

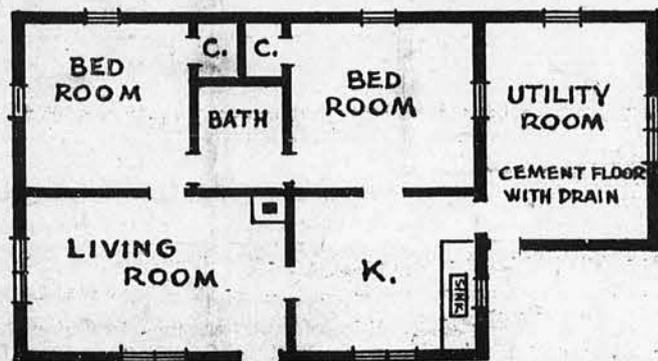
Heat linseed oil to 470 degrees in a container 5 times as large as the volume of oil. Remove the oil from the flame or source of heat and add fine, powdered sulfur slowly at the rate of 12 ounces to 1 gallon of oil. After cooling it can be painted on the tree trunks with a brush.

Care must be used in preparing the mixture. It is a fire hazard. For that reason it should be prepared out in the open. Do not prepare in the home or other building on the farm.

Answer to Help Problem



Several readers have asked for plans on this attractive tenant house built by Frank Knapp, Hartford. Mr. Knapp says the house cost \$3,650 complete.



Here is the tenant-house floor plan as drawn by Mr. Knapp. The house is 34 feet across the back side, 26 feet across the front and 24 feet deep.

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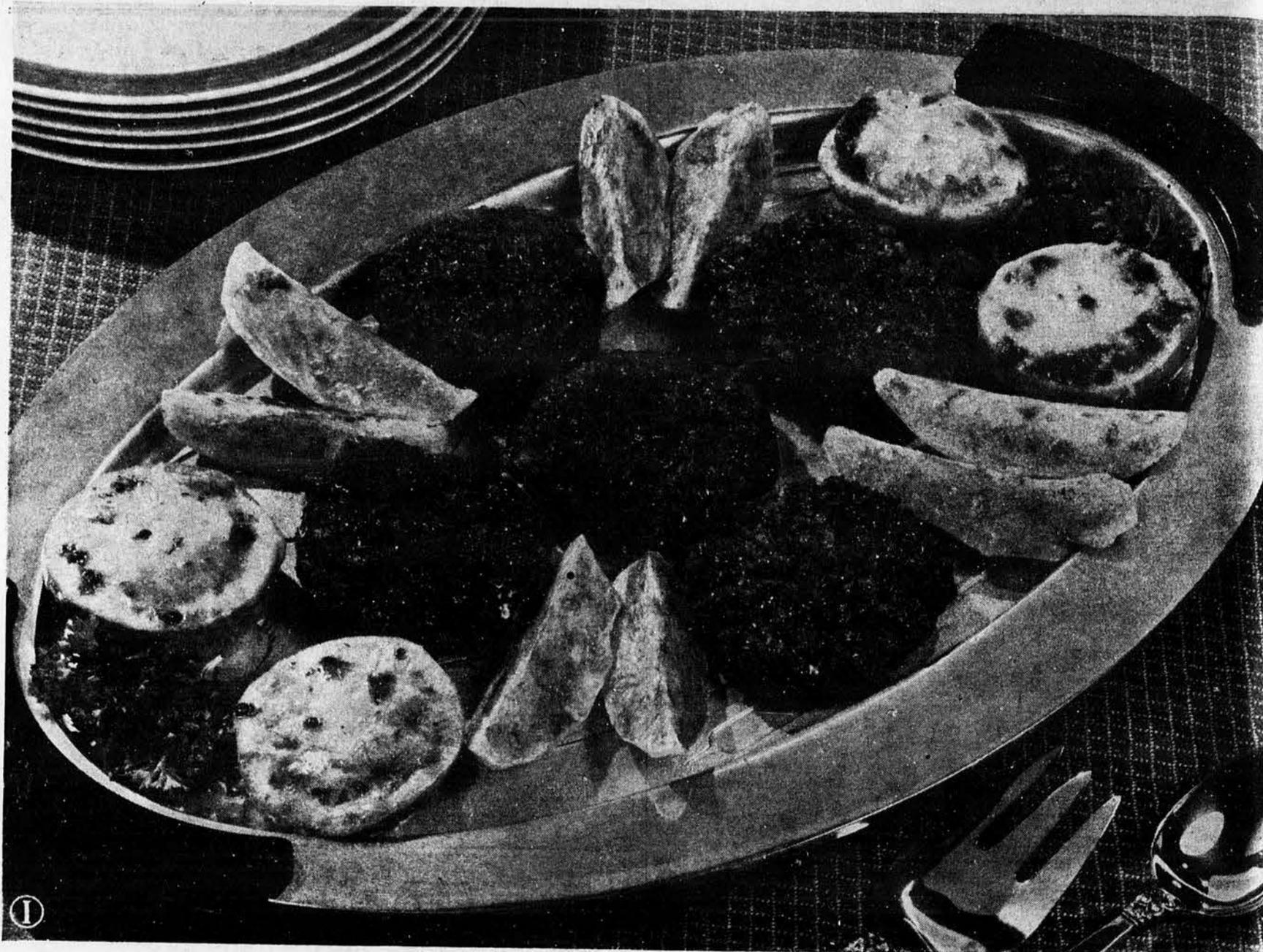
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Try a Broiled Dinner

By Florence McKinney

LOOK twice. It says broiled, not boiled. Quite a difference, you know. That broiler in your modern gas or electric stove was put there for a purpose and not merely to make toast. Many complete meals can be prepared from beginning to end right in the broiler. All the following recipes have been tested and tried.

If you like a food with a crisp crust and a rare soft center, use a high temperature. On the other hand, if you want the steak or meat loaf or patties medium to well-done and cooked thoroly, use a lower temperature. Simply adjust the flame to suit.

We do not recommend that fresh pork be broiled. Home-canned vegetables should be simmered for several minutes before being placed in the broiler pan. This is not necessary with the commercially canned.

Broiled Hamburger Dinner

1 pound ground beef	butter
several large potatoes	salt
several tomatoes	pepper
½ cup grated cheese	chili sauce, if desired
1 can green beans	
½ cup green onions, chopped	

Season ground beef with salt, pepper and chopped green onion. Shape into patties. If desired, brush with chili sauce. Arrange on broiler rack and broil about 6 minutes on each side for medium done, longer for well-done. To prepare potatoes for broiling, partially cook quartered large potatoes, brush with butter. Lay on broiler rack beside beef patties, broil until slightly browned. To prepare tomatoes, cut in half, season with salt and pepper and sprinkle with grated cheese. Place on broiler rack when patties are turned. Pour partially drained green beans in pan below broiler rack, exactly beneath beef patties. Juice from meat will season beans. When all are done, serve immediately.

Broiled Onion Rings

2 large onions	1½ cups corn flakes, crushed
salad oil	salt

Slice onions in ¾-inch slices. Separate into rings. Dip rings into salad oil, then in crushed corn flakes. Place in pan on broiler rack and broil about 10 minutes. Serve at once.

Broiled Ham Dinner

slice ham, 1 inch thick	sweet potatoes
1 can lima beans	pineapple slices
	melted butter

Place drained, cooked lima beans in pan below broiler rack. Hominy may be used instead. Place ham slices on broiler rack over pan and broil 3 to 4 inches from flame until ham is slightly browned. Turn ham and place pineapple rings and cooked sweet potato halves on grill beside ham. Brush with melted butter. Sprinkle sweet potatoes with brown sugar if desired. Continue broiling until food is browned slightly. Serve at once.

Old-Fashioned Room

She has a room the sun shines in
With view of pine-tipped hill,
With rocking chair and braided rugs,
And geraniums on the sill.

She has a room, that as rooms go
Is lacking, quite, in style,
But always it bids callers stay
And sit and rest awhile.

—By Mary Holman Grimes

Broiled Grapefruit

grapefruit	sugar
	cinnamon

Halve the grapefruit. Loosen segments with grapefruit knife, sprinkle with cinnamon and sugar to taste. Broil about 15 minutes under low flame. Serve hot. Brown sugar and a little butter may be substituted for sugar and cinnamon.

Broiled Ham and Sauerkraut

ham slices	sauerkraut
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Place ham slices on cold broiler rack. Put sauerkraut in pan beneath the ham. Broil slowly, turn and broil. Juices from ham drip thru rack and season the sauerkraut below.

Broiled Mincemeat Apples

6 medium apples	1 cup mincemeat
-----------------	-----------------

Partially core the apples, leaving the blossom end uncut. Place on broiler rack under a low flame with blossom end up, for about 15 minutes. Turn and fill the centers with mincemeat. Continue broiling for 12 minutes. Cranberry sauce may be substituted for the mincemeat or a combination of brown sugar and butter.

Sauerkraut with Wieners

1 pound sauerkraut	1 cup tomatoes
½ teaspoon salt	2 tablespoons chopped green pepper
¼ cup chopped onion	2 tablespoons sugar
12 wieners	

Mix all ingredients, except wieners and place in broiler pan. Broil until slightly browned. Place broiler rack over kraut, place wieners on it. Broil for about 5 to 10 minutes. Serve immediately.

How About That Compliment?

WHAT is your reaction to a compliment on a dress you are wearing? Perhaps you say, "This old rag? Why I've had it for years and years!" But please don't.

We can assume your friend was sincere in her compliment about your dress, and your remark takes a slap at her good judgment. She studies your dress more closely. It is slipping a little at the seams and the hem has been let down and she hadn't noticed it before, it seems a little faded, too. Well! How much better to have said a simple, "I'm so glad you like it," to her complimentary remark.

And so it goes whether the compliment is about faces or slip covers. Our reaction is very important. Maybe that kind gentleman really does think you have a pretty face. Smile and thank him sweetly. Don't for goodness sake tell him your big nose is positively the bane of your existence. Maybe he hasn't even noticed it. If you cause him to discover it, he will be aware of it every time he looks at you. No point either, in calling your neighbor's attention to the spot on your slip cover where you patched the hole your husband burned with a cigaret. Let your friends admire you and yours to their heart's content. People on the whole are quite unobserving. The chances are they won't notice the flaws.

There is an individual who reacts in a much different manner to praise. She goes you one better when you compliment her. Perhaps you enthusiastically discover she looks like Betty Grable. She heartily agrees with you and adds she can also see a marked resemblance to Bergman, Davis and Dietrich! Oh dear! Of course you can always shoot her with a BB gun and get even, but maybe you shouldn't.

Or take the mother who, upon receiving a compliment on her child, assures you of many and better things

that you have never noticed. From then on out the conversation is hers. You listen to glowing accounts of the child's appetite, his marks in school, his superiority over any child of his age . . . and . . . and! You shrink into a corner of the divan and mentally bemoan the fact that your big mouth started this monolog.

Then there is a rare type of individual who is frightened by compliments. You compliment her shiny hair, not even stopping to wonder if her hair is tinted and she looks at you glassy-eyed, skeptical as all get-out. She'd like to think what you say is true, but you've surely an ax to grind, she is sure of it. Just what is it you want her to do, anyway? Keep the kids for a week while you go to the city?

Then too, there is the person who cannot seem to release a compliment. It is like money out of her pocket and she's thrifty. Where an honest word of appreciation is in order, she invariably remains silent. Tho basking in any complimentary remarks that come her way, she is unable to see that friendship thrives on honest appreciation. That it is very important to human existence.

On the other hand, we must mention the flatterer, a welcome individual to society. No doubt, in many cases his compliments are a matter of courtesy. Tho, he may not be sanctioned, he seems to be quite harmless. If his flattery is recognized as such, it is merely amusing. If it goes unrecognized, it has given the recipient as much of a lift as if the remarks were sincere. Either way, he can't miss.

Compliments? Yes, folks, whether or not we admit it, we all like them. Appreciation or approval or admiration is like maple sugar to a sweet tooth. Let us be both generous with our compliments and gracious in our acceptance. They help oil the intricate machinery of our daily living.—By M. H. G.

January Night

The creek is muted now, by thickened ice
A thousand stars hang low above the trees;
No season hurry mars the frosty hours,
It's time for meditation; time for ease.
—By Mary Holman Grimes.

February Game

For a small group the February game is just right. It will be fun for a party or just the family. One person selects some pictures of the great men we honor during the month, like Washington crossing the Delaware, Washington taking command of the army, Washington at home with his family, Lincoln's assassination, Lincoln splitting logs or any you might have in books about the house.

One person is to pass the pictures around the group, allowing each person to look one minute, no longer. Then that person asks questions of each, such as the number of horses in the picture, clothing, are there stones in the picture, or whatever may be in the background.

A score is kept and the person answering the most questions correctly gets a suitable reward.

Better Homes

Larger farm incomes are being used to improve farm homes, reports the Bureau of Agricultural Economics. The number of farmhouses with modern bathrooms more than doubled from 1940 to 1947.

For Ground Hog's Day

Ground Hog's Day is February 2. Why not celebrate in your club or school by putting on a little playlet, "Mr. Ground Hog's February Party." There are 5 characters in the cast—Mr. Ground Hog, Abraham Lincoln, George Washington, Mr. Longfellow and Mr. Handel. To liven up your February party, we suggest you see this playlet. Please address orders to Entertainment Editor, Kansas Farmer, Topeka. Price 5c.

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SCIENTIFIC FACTS: Both coffee and tea contain *caffein*—a drug—a nerve stimulant! So while many people can drink coffee or tea without ill-effect, others suffer nervousness, indigestion, sleepless nights. But POSTUM contains no *caffein* or other drug—nothing that can possibly cause nervousness, indigestion, sleeplessness!

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No Cooking. Makes Big Saving.

To get quick and satisfying relief from coughs due to colds, mix this recipe in your kitchen. Once tried, you'll never be without it, and it's so simple and easy.

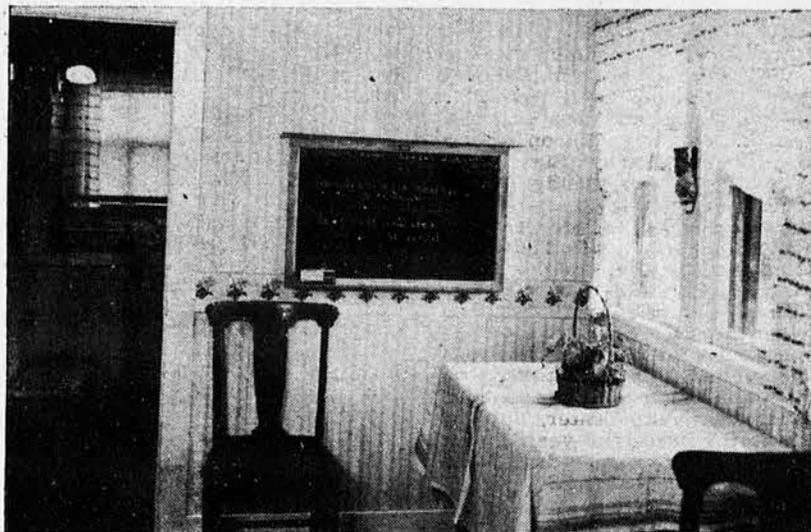
First, make a syrup by stirring 2 cups granulated sugar and one cup of water a few moments, until dissolved. A child could do it. No cooking needed. Or you can use corn syrup or liquid honey, instead of sugar syrup. Then get 2½ ounces of Pinex from any druggist. This is a special compound of proven ingredients, in concentrated form, well-known for its quick action on throat and bronchial irritations.

Put the Pinex into a pint bottle, and fill up with your syrup. Thus you make a full pint of splendid medicine and you get about four times as much for your money. It never spoils, and tastes fine.

And for quick, blessed relief, it is surprising. You can feel it take hold in a way that means business. It loosens the phlegm, soothes the irritated membranes, and eases the soreness. Thus it makes breathing easy, and lets you get restful sleep. Just try it, and if not pleased, your money will be refunded.

Homemaking

Has Utility Room off Kitchen



A utility room just off the kitchen keeps the kitchen in order, eliminates steps to the basement and the outdoors. Here the washing is done, the men hang up their work clothes and wash.

Nosy—A Game

Before your guests arrive, arrange in a shallow basket various things to test the sense of smell. Sheets of paper, numbered, and pencils also are to be provided each player. Each bag in the basket is numbered. Here are suggestions for items to put into the bags: mothballs, coffee, pine needles, a few drops of vanilla on cotton, orange peel from a freshly peeled orange, an onion, some cloves, a drop or two of turpentine, strong cheese, cinnamon and some perfume. You may have other things about the house as well.

To play the game, each player is given an opportunity to smell each bag, but he cannot speak. He may be as "nosy" as he likes. After each whiff he jots down the name of the scent. For example, number 5 may be the onion, so he writes opposite number 5 the word onion. Whoever has the best "nose" for detecting the correct scents, should be awarded some amusing prize. One of the artificial noses worn for character make-up will be a suitable prize. Choose the most exaggerated shape.

New Season Patterns



9162—Looks like a million with a pretty pert peplum. It lends flattery to your figure. Sizes 12 to 20. Size 16 takes 3¾ yards of 39-inch material.

4878—This smart 2-piecer costs so little in time, money and effort. Has no shoulder seams. Sizes 34 to 48. Size 36 requires 4½ yards of 35-inch material.

9405—Charming little frock for the young miss. Has gay scallops, tiny waist and swish petticoat. Sizes 10 to 16. Size 12 requires 2¼ yards of 35-inch fabric; dress contrast and petti-

coat requires 2¼ yards of 35-inch material.

9473—Simply stunning dress done in just 4 main pieces. Easy to make. Sizes 11 to 17. Size 13 requires 3 yards of 35-inch fabric.

4960—Darling outfit for your little tot . . . frock, cape and hat to go with everything. Easy embroidery transfer included. Sizes 2 to 10. Size 6 frock uses 1¾ yards of 35-inch material; cape and hat, 1¼ yards of 54-inch material.

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

Homemaking

Complete Year of Outstanding Work

CHAUTAUQUA county points with pride to the accomplishments of the 12 women's units in 1948. Community service has been the goal of most of the groups and has been reached in various ways, depending on the needs of the individual communities.

Bethel Chapel unit, 10 miles from the nearest town, purchased the Pleasant Valley schoolhouse, reroofed it, redecorated it, equipped it with a piano and cooking facilities and in doing so provided a much needed community center. Tho this group is small in number, together they have provided better and happier living for the community.

The Sunflower unit also purchased a schoolhouse and now is busy equipping it as a community center, altho the specific project for the year was the erection of a road sign to direct traffic at a junction northeast of Sedan. Their third successful achievement was creation of a circulating library by pooling books among the families, thus making good reading for all.

Outstanding among the many achievements of the Summit Farm unit was a contribution of \$100 toward furnishing a room in the Sedan hospital, besides making and giving a comforter to a children's welfare center. This group was hostess to the other units of the county with a radio breakfast program, complete with master of ceremonies and prizes contributed by merchants. A feature of this program was a hat parade that provided fun and created a good spirit among the women of the entire county.

Two long-lasting and practical projects were accomplished by the Elgin unit. They sponsored a school-lunch project and organized a 4-H Club. Tho this group has not been in existence long, its record is already imposing. The unit has sponsored the Parent Teacher's Association, takes an active interest in the school and each member reads at least one good book for self-improvement.

The members of the Hewins unit, seeing the need for a playground for children, got a lot, cleared and leveled it, and now have plans for providing equipment, thus making it a safe place for the children to play.

The Cedar Vale unit sponsored the erection of a picnic table, and benches

were placed in the local park for the benefit of the public. This group added to the year's program a lesson on making candles for the Christmas holiday season.

The Niotaze unit gave a gift to the school as their community project. The needs of the Belknap unit differ from some of the others in that it is several miles from town, has a thriving school, church and 4-H Club. For its community work, the members assisted other organizations with their projects.

Party Suggestions

Stunts, contests, games—15 of them! If you are planning a lively winter party you will want to see our leaflet, "15 Games for Young and Old." Please address Entertainment Editor, Kansas Farmer, Topeka. Price 3c.

Grant Creek group took over the decoration of the Round Mound schoolhouse for the purpose of providing a community center. Wauneta points with pride to the 4-H Club in the community that owes a great part of its success to members of the unit.

That the unit members of Chautauqua county are not only a working group, but a thinking group as well, is indicated by their participation in the UNESCO program. Each unit worked out its individual plan for presenting this program. The Grant Creek group was outstanding in that each member presented a report on the way of life in a foreign country. The Cedar Vale unit held an open house and invited as guest speaker, Dr. Arthur Chen, of Southwestern College, of Winfield.

All groups gave generously to the Cancer Fund, the March of Dimes and the Red Cross.

The members are looking forward to a new year of interesting lessons and helpful community work. Included in the 1949 program are lessons on textiles, clothing labels, lessons on finishes for garments, garden culture and a garden tour to be conducted by E. G. Kelly of Kansas State College Extension Service.

For Better Lard

Do you have trouble with lard darkening and taking on a rancid flavor after it has been stored for a few months? There is now a good way to prevent this.

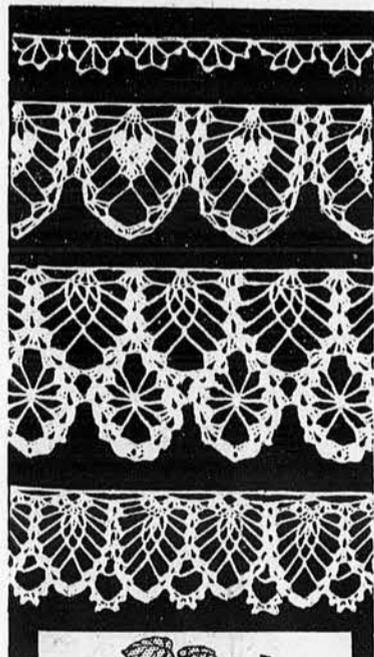
By adding 2 or 3 pounds of hydrogenated vegetable fat to each 50 pounds of fresh lard, you'll help preserve the right flavor. This fat may be purchased by asking for any one of the vegetable fats at the meat counter of your favorite grocery store. There are several brands widely distributed in this area and widely used instead of lard. It helps keep out the air which causes it to become rancid. This amount of vegetable fat should be added to the fat in the kettle when the lard is hot, just before settling and separating the cracklings in the lard press.

Pour the fresh lard into tall narrow containers. Pint and quart jars are excellent but they must be boiling hot at the time you pour in the hot lard. Fill containers brimful, seal and store in a cool, dark, dry place. High-quality lard is white and smooth and mild in flavor and keeps many months.

Refinishing Furniture

We have just prepared a new leaflet giving complete instructions for refinishing furniture, new or old. It advises as to the type of finish suitable for various woods, it covers the questions of the removal of the old finish. It explains how to apply a varnish finish, also shellac, wax, linseed oil, lacquer, paint and enamel. It covers the subject of mixing these various finishes and how to care for brushes. When writing for this leaflet entitled, Refinishing Furniture, please send 5 cents to the Farm Service Editor, Kansas Farmer, Topeka.

Sure Favorites



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- CONVERSION TYPE**
INTERNATIONAL H, M, CASE DC, OLIVER 70, COCKSHUTT, FARMCREST, CO-OP
- STANDARD**
INTERNATIONAL W-9, W-6, JOHN DEERE BR, D, CASE LA, OLIVER 88 70, M-M UTS, MASSEY-HARRIS 30, 44, 55
- TRACK TYPE**
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... you get all these practical features and MORE with Automatic's time-tested, field-proven TRACTORKAB. Order YOURS today! See dealer or mail coupon.

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Now That You Have Electricity

By CHARLES HOWES

THE explosion and power failure at the Kansas Power and Light Company generating plant east of Topeka at 3:21 p. m., December 9, was a disaster of major proportions. Yet it served to emphasize the efficiency and loyalty of the crews who man the machinery and controls in the big plant. One hour and 36 minutes after the first explosion, circuits serving hospitals in Topeka were again in use. The interconnecting transmission lines brought power from other power-com-

pany plants in Kansas, and within 23 hours the plant was 40 per cent in operation. It was a remarkable display of management and organization.

Now we read about how electronics are being applied to sorting the good eggs from the bad, electric egg candling, if the term can be applied. The egg is placed in a coil which creates an electromagnetic field. Good eggs absorb the least power, bad ones the most. The robot tester is reported to be



COLD January weather— HI-V-I FLOWS FREELY!



Silence the cold "whoosh" of January winds with the comforting sound of a motor that turns over instantly. HI-V-I bathes car and tractor motors in a protective film of lubrication. It cleans as it lubricates, freeing motors of corrosion and sludge. This cuts fuel consumption to a new low . . . keeps motors ready for the "go" signal on the coldest January days.

For faster starts and better lubrication in zero weather, use HI-V-I, the free-flowing oil.

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within a fraction of 100 per cent accurate.

Welding from the standard 110-volt home electric circuit took another step forward recently with the announcement of an electric-arc welder employing a 3-way arc system. The unit has been patented by 2 Indianapolis engineers and is adaptable for welding large pipe and plate, or for use in small home workshops.

To give you an idea of how the use of electric power is progressing a Westinghouse official estimates that the amount of power sold in 1957 will be nearly double the amount in 1947. He says that farms in 1947 had less than 2 horsepower per worker as compared with more than 7 horsepower in the average of other U. S. industries. And he thinks the rate of increase on the farm will far exceed that in urban areas. Furthermore, he says that a large proportion of the residential increase will come from such items as home freezers, air conditioners and dishwashers, but adds that a large proportion of the increase will come from the demand for better lighting.

Realization that demand for electricity is going to increase is apparent in the plans of the Kansas City Power and Light Company. This company announced at year's end the start of a 27-million-dollar generating station for Kansas City. The unit will increase the available power for rural and city use by 40 per cent.

The move is significant. Other power companies in Kansas are undergoing or planning expansion to take care of the demand. And it is interesting to read some of the facts of interest about a power station of this nature. It will use water too pure to drink, distilled water from which many elements have been removed to prevent rust and corrosion. The boilers (each as tall as a 12-story building) will require 74 tons of coal an hour, more than 35 carloads per day. The coal will be pulverized almost to the texture of face powder for more efficient fuel combustion. The turbogenerators will revolve at more than 700 miles an hour and yet the balance of these giant units is such that a coin standing on edge on the unit will not topple.

All of that is an indication of the size of the investment which this business organization is risking on the future.

The weeding-out process seems to work in the appliance field as well as in all others. It's an indication of the healthy system under which we operate in a democracy. On V-J day, we read, 400 manufacturers planned to enter the home-freezer field. Only 185 actually started to produce units. There are 58 manufacturers now producing home freezers and of these, only 24 are a factor in business.



"Our bottle came back . . . marked 'INSUFFICIENT POSTAGE!'"

The problem of getting just the right angle on knife edges seems to have been solved with the new motor-driven electric knife sharpener which a well-known manufacturer of home appliances has placed on the market. The latest report is that more than 150,000 of them are in home use.

Your home furnace may assume an unfamiliar shape before too many months, and it may also cool your home, drawing heat and cold directly from the earth, judging from progress reports on the heat pump. This column discussed this mechanical unit some time ago; now we have some pilot-plant information.

The heat pump is an electrically-operated unit that is no more complicated in principle than your electric refrigerator or air conditioner. In fact, it is little else than air conditioning in reverse, providing heat in winter, cooling in summer.

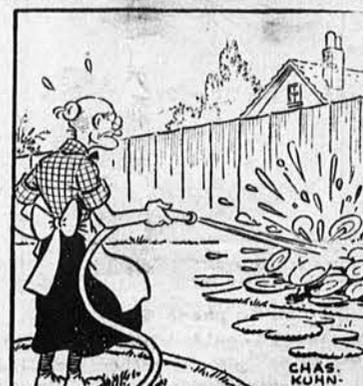
The pilot-plant unit, an experimental heat pump, has been in operation near Manhattan under the watchful eye of H. S. Hinrichs, of the Kansas Power and Light Company. Since late in November the unit has heated an 18-by-36 prefab metal building. Hinrichs says it appears to him this may be the factor which will provide a sound economic foundation for central station rural electric service in the rural areas.

The Manhattan experiment is seeking to obtain design data on the application of the heat pump to Kansas conditions. More than 50,000 Kansans have seen the small display which the company has sent to communities throughout the state and termed, "The Modern Miracle for the Home of Tomorrow—Worth Waiting For."

Lemon Juice and Milk

To remove ink stains from furniture rub them with lemon juice. Then wash the juice off with milk and apply furniture polish.—Mrs. P. H., Audrain Co.

GRANDMA . . . By Charles Kuhn



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1949 Farm Goals Get Kansas O. K.

THE Kansas U. S. D. A. Council has accepted the 1949 flaxseed, dairy, young chickens, turkeys, sheep, tame hay and legume and grass seed production goals as suggested by the U. S. Department of Agriculture. All goals are for higher production in 1949 except flax.

FLAXSEED—70,000 harvested acres for Kansas in 1949. This compares with 72,000 harvested acres in 1948. The support price will be 90 per cent of parity which council members estimate will be about \$3.75 a bushel. Flax loans direct to farmers will be used in 1949 rather than processor contracts. This change will require farmers to arrange their own warehouse or farm storage to receive price support benefits.

DAIRY—3 per cent increase in 1949 over 1948. The Kansas council believes Kansas agriculture would be better balanced if more cows are kept for milking. Dairy product prices averaged about 121 per cent of parity in 1948. Demand is expected to remain high. The council calls attention to the need for greater use of efficient production methods by dairy producers by the use of pastures, grain feeding on an individual cow production basis, and other high-production methods. Many areas in Kansas are on a milk ship-in basis at present.

YOUNG CHICKENS AND TURKEYS—10 per cent increase suggested in number to be raised. Eggs and poultry are eligible for 90 per cent of parity support prices in 1949. The council recommends more attention to the production of high-quality eggs.

STOCK SHEEP AND LAMBS—The goal calls for as great an increase as conditions permit. The council believes the outlook for sheep and wool is greatly improved over that of recent years. Definite price support arrangements have been made by Congress. Supplies of fine wool have been used and carry-overs greatly reduced. Demand is expected to be strong. Council members report renewed interest in sheep production by farmers attending agricultural meetings where this subject was discussed.

ALL TAME HAY—A 2 per cent increase over 1948 acreage was recommended by the U. S. D. A. but the Kansas council believes a 10 per cent increase would be even more desirable in Kansas.

LEGUME AND GRASS SEED—Individual goals for important seeds are recommended as follows:

	National	Kansas
Alfalfa	170% of 1948	200,000 A.
Red Clover	148% of 1948	70,000 A.
Sweet Clover	193% of 1948	65,000 A.
Lespedeza	133% of 1948	80,000 A.
Redtop	248% of 1948	
Brome	210% of 1948	
Kentucky Bluegrass	170% of 1948	
Meadow Fescue	79% of 1948	
Sudan	221% of 1948	10,000 A.

The council urges greater attention to seed production methods of farmers. Legume and grass seeds are needed to permit seeding steep slopes to permanent cover and in crop rotations. More grass seeds are necessary to seed waterways and other soil-conservation practices.

SWEET POTATOES—The goal is for the same acreage in Kansas as in 1948, about 2,000 acres.



No job is too tough . . . no weather too bad for the USTRAC!

Just make a note of the jobs on your farm that your present wheel tractor can't handle. Perhaps you need a drainage ditch . . . a gully filled . . . a road repaired . . . stumps or rocks removed . . . hedge grubbed . . . post holes dug. You can do ALL these jobs and many more with the USTRAC . . . as well as your normal farm work such as plowing, disking, harrowing, harvesting, feed grinding, etc.

Will operate in wet, loose ground where a wheel tractor would bog down. No weather is too tough for the USTRAC!

Ideal for Orchards and Vineyards

Delivers 31.2 Brake HP, 20 HP at the drawbar — yet is only 37 inches wide and 54 inches high. Ideal for orchards and vineyards. Can't be beat for hillside work; rough terrain; narrow working widths. Extremely maneuverable and easy to operate. Economical — cuts fuel costs as much as one-third over wheel type tractors.

Pulls 3-Bottom Plow

The USTRAC pulls a three bottom 14" plow in third gear under normal condi-

USTRAC's Dependability Backed by Thousands of Tractors

The USTRAC gives you all the features of the Clark Airborne tractor that performed so outstandingly during the last war. Over 3,000 of these tested, proved tractors are in civilian use today. USTRAC's 4-cylinder Continental gasoline engine is well known for its long life and dependability. Four forward and four reverse speeds, up to 5.8 MPH.



USTRAC "Speedigger"

Digs up to 600 post holes per day. All size holes, any depth. More "Speediggers" in use than any other. Fits 87 models of wheel and crawler tractors, Jeeps and trucks.

- Complete Line of Attachments and Implements for the USTRAC
- BULLDOZER
 - "SPEEDIGGER" Post Hole Digger
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 - POWER TAKE-OFF
 - HYDRAULIC CONTROL
 - POWER WINCH
 - BELT PULLEY
 - SNOW PLOW
 - LIGHTS
 - MOLDBOARD PLOWS
 - DISK PLOWS
 - DISK HARROWS Single and Tandem
 - SPIKE TOOTH HARROWS
 - ROTARY HOE
 - ROLLER-PACKER-MULCHER
 - MANURE SPREADER
 - FARM WAGONS
 - TRAILER, Low type
 - GRAIN ELEVATOR and UNLOADER

EARLY DELIVERY! Mail this coupon and get all the facts!

U. S. TRACTOR CORP., WARREN, OHIO

I would like to know more about the USTRAC. Send complete details, prices, and name of nearest dealer.

Send folder and prices on the "SPEEDIGGER."

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ADDRESS _____

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"Your wife is on the phone. She wants to know where you put the egg beater after you finished up the dishes last night."

HEARTBURN?

Acid taste in mouth? That awful gassy feeling? Then—try a switch to POSTUM!

For the latest scientific facts reveal that, in many persons, caffeine in both coffee and tea tends to produce harmful stomach acidity, as well as nervousness, and sleepless nights! While many people can drink coffee or tea without ill-effect, many others can't.

So if you suffer heartburn, indigestion, sleeplessness, make this test: give up coffee—give up tea—drink POSTUM exclusively for 30 days—judge by results! Remember, POSTUM contains no caffeine or other drug—nothing that can possibly cause indigestion, nervousness, sleeplessness! Ask your grocer today for INSTANT POSTUM—A Vigorous Drink made from Healthful Wheat and Bran.

Read the Ads In This Issue

There's a world of helpful information in the scores of advertisements in this particular issue of the Kansas Farmer.

Read them carefully. If you want to find out more about the articles described, don't hesitate to write the advertiser.

You Can Buy Advertised Products With Confidence!

Conserve Your Soil

One man and any farm tractor builds high terraces, dams, fills gullies, etc., easily, swiftly. Loads, unloads, spreads, without stopping. Bulldozes backward. 16 yd., 34 yd. sizes. 2 models. Prompt delivery from your dealer or direct from factory. Send for Free Literature and Low Prices.

K-S ROTARY SCRAPER

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MAIL THIS TODAY

Free 200

EARLIEST TOMATO

Gurney's Earlibell. Ripe in only 62 days. Bright red, smooth, delicious. Fine for slicing or canning. Big pkt., enough for any family; also handy Planting Guide and new Catalog of HARDY, Northern Grown seeds and plants—all free, post-paid. Please enclose stamp.

Get this big pkt. tomato and Catalog & Planting Guide, free. Write your name, address plainly, mail.

GURNEY SEED & NURSERY CO.
1713 Page Yankton, So. Dak.

LIGHT and POWER

from your own

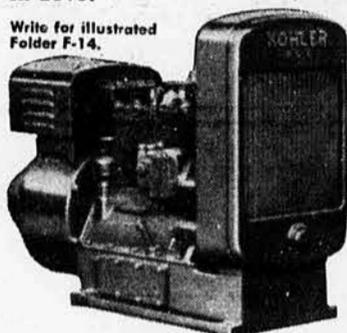
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Independent and stand-by service for:

Water Pump • Washer • Ironer
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Make work easier, save time, provide conveniences you've wanted. Reliable, economical to operate. Starts automatically. 750 watts to 10 KW, AC or DC. Also 32 and 110 volt battery charging plants. Kohler Co., Kohler, Wisconsin. Established in 1873.

Write for illustrated Folder F-14.



Kohler Electric Plant 3A21, 3 KW, 115 volt, AC. Automatic start and stop.

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Order FLEX-O-SEAL PORTABLE IRRIGATION PIPE NOW



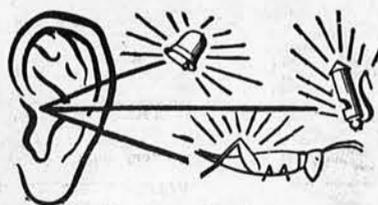
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**SPRING
DELIVERY**

Don't wait until next summer's sun is burning up your crops or a dry spring is ruining your chances for profit before you order FLEX-O-SEAL Portable Irrigation Pipe. Make sure that you have this protection at the start of the growing season by placing your order TODAY. Write, wire or phone your order. FLEX-O-SEAL is available in 3, 4, 6, and 8 inch diameters in Aluminum or Galvanized. FREE folder, *Rain the Lifeblood of Farming* mailed upon request.

CHICAGO METAL MFG. CO.
3736 Rockwell Ave.
Chicago, Illinois

FLEX-O-SEAL

EAR NOISES?



If you suffer from those miserable ear noises and are Hard of Hearing due to catarrh of the head, write us NOW for proof of the good results our simple home treatment has accomplished for a great many people. **NOTHING TO WEAR.** Many past 70 report ear noises gone and hearing fine. **Send NOW for proof and 30 days trial offer.**

THE ELMO CO., Dept. 140, Davenport, Iowa

Will Fight Off Frost

By JAMES SENTER BRAZELTON

ENGINEERS of Michigan State College and the Michigan Agricultural Experiment Station have invented a frost-fighting machine which, it is said, is to be placed on the market soon. Equipped with infrared heat generators, the device is capable of raising the temperature as much as 8 degrees over a square acre or more at a cost of less than \$1 an hour for fuel.

The college has applied for a public patent. Inquiries have been received from around the world from interested fruit growers. It is hoped the machines can be built under mass production so they can be sold to truck farmers and fruit growers at a cost of \$100 to \$125 or less. Detroit industrial technicians co-operated with the college engineers in inventing the machine.

Starch From Sweets

According to Louisiana State University Extension service, the manufacture of starch from sweet potatoes has great possibilities. If the results of research discoveries are put into practical operation 2 important things will be accomplished. (1) It will give the country a domestic source of root starch most of which now comes from cassava imported from the tropics. (2) It would provide a valuable new market for a widely-grown crop. It is on account of these possibilities that horticulturists and engineers are continuing their research to lower the cost of growing and harvesting sweet potatoes for starch.

Help for Apples

Scientists at the experiment station in Geneva, N. Y., have found that by adding calcium they can retain more of the original firmness of apples during canning and freezing. Tests have shown that calcium-treated apples keep their shape better in pies than do untreated apple slices. When apples are soft, due to advanced ripening, the calcium treatment is useful in making the tissue firmer before processing.

For canning it is recommended that 0.1 per cent calcium chloride be added to the salt water in which the apples are usually soaked before steam blanching. For freezing, blanching in water to which 0.5 per cent calcium chloride has been added, has proved successful under commercial conditions. A number of calcium salts other than the chloride were tested by the station chemists. Under certain conditions the use of calcium lactate might be even more beneficial than the chloride. Its more neutral flavor results in a better-tasting apple pie.

Put Atom to Work

Dr. C. E. F. Guterman, director of research at Cornell University, tells of a recent discovery by which atomic energy can be put to work for the benefit of the farmer. He describes a radioactive technique whereby, he says, the effect of radioactive elements on plants and animals can be studied. Doctor Guterman predicts this will mean more knowledge about plant and animal life than ever before, and doubtless will lead to better methods of controlling plant and animal diseases.

Prevents Brown Peaches

Discoloration or browning that often shows up in frozen peaches may be prevented by adding a small amount of vitamin C in the form of ascorbic acid powder. Credit for this discovery is given to the food scientists at the New York State Experiment Station, at Geneva. The powder, which is available

at most drug stores, is added to the sirup, as the peaches are packed for freezing, at the rate of two tenths of a gram to a pint.

For home use it is suggested that 2 grams of the powder be dissolved in about one fluid ounce of water, and this solution then added to the amount of sirup necessary for 10 pints of peaches. The mixtures of sirup and ascorbic acid may then be divided equally among 10 containers and the peaches sliced into the mixture. Powdered ascorbic acid may be purchased in 2-gram lots in powder papers. Each paper then will contain just enough powder for 10 pints of peaches. The solution when once made should be used at once as it will deteriorate on standing.

More About Stericooling

In *Kansas Farmer* for September 18, 1948, we told of a new process called Stericooling for treating peaches to retard decay and make it possible to ship longer distances. There is more news to report on the process, now that it has been tried out commercially the past season.

A peach growers' co-operative at Benton Harbor, Mich., put all of its 2-inch Elberta peaches thru the icy bath of a Stericooler machine and collected an average of 34 cents a bushel more than the average price paid on the Benton Harbor market.

Furthermore, there was not a single complaint from any of its customers about brown rot in any of its peach shipments. The manager of the co-op said the Stericooling process not only arrested development of brown rot spores, but it suspended the ripening of the fruit itself and added 4 to 6 more days to its "shelf life" after it reached the retail stores.

A New President

John T. Bregger, widely known horticulturist of Clemson, S. C., was elected president of the American Pomological Society at the recent meeting held at Yakima, Wash., in joint session with the Washington State Horticultural Association. Mr. Bregger is well known to Kansas fruit men, having appeared on the annual programs of the Kansas State Horticultural Society. He has many friends in Doniphan county where he helped lay out the first young orchards on contour lines. He is a former editor of *American Fruit Grower*, and now is a soil conservation specialist. He probably knows more about peach varieties and peach problems than any other one man. To the presidency of the pomological society he succeeds Stanley Johnston, of South Haven, Mich., the originator of the "Haven" line of peaches, the newest of which is Fairhaven.

New Fruit Center

There are at least two fellows in Doniphan county who have not lost faith in the fruit industry. It must be faith; else Howard and Russell Meidinger would not be erecting the fine 40-by-80-foot aluminum fruit-packing center on their well-managed fruit farm southwest of Wathena. The new packing plant will be fully equipped with the most modern and up-to-date washing, grading and packing machinery.

The building will be large enough to house their tractors and spraying equipment when not in use, and there will be ample storage space for fertilizers and spray materials.

Won Bull Contest

JOHNSON county dairymen won the Kansas Dairy Bull Contest for 1948, it is announced by Walter H. Atzenweiler, agricultural commissioner for the Kansas City, Mo., Chamber of Commerce. The project was sponsored jointly by the Kansas City organization, Kansas State College and the county Farm Bureau units.

Eight counties entered in the contest ranked as follows: Johnson, 1,740 points; Labette, 1,690; Allen, 1,470; Reno, 1,190; Sedgwick, 1,160; Franklin, 700; Jefferson, 640, and Harvey, 300.

A total of 376 registered bulls were purchased during the year by competing dairymen. Of this number a total of 180 registered bulls replaced grade bulls, which was the principal object of the contest. Three of the bulls were proved and 43 were sons of proved bulls. Of the 376 bulls purchased, 187, or 50 per cent, were from dams with records of 400 or more pounds of butterfat.

Add Years To Your Silo With

SILO SEAL

Merit

The acid in silage, over a period of years, causes the lining of silos regardless of construction material, to disintegrate. Immature feeds and excessive moisture silage, being extremely high in acidity, are especially injurious to silo linings.

Silo Seal has been successfully used for nineteen years by Kansas Farmers and Dairymen and can be applied as silage is fed out, thus eliminating scaffolding. Write today for literature. Immediate delivery.

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McPherson Concrete Products Co.
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MANY MACHINES IN ONE

Basic unit with Standard 7 HP Motor saws down trees, bucks them up and clears brush land, quickly turns waste land into fertile fields. Available attachments include: post hole digger, sickle bar mower, land tiller, generator, electric welder. More diversified than any other farm machine. Ideal for custom work. Free literature and low prices on request. Write today.

OTTAWA MFG. CO., 1-911 Walnut St., Ottawa, Kans.

World's FASTEST, EASIEST-TO-USE Fence Tool

Does 6 Hrs. Work in 3

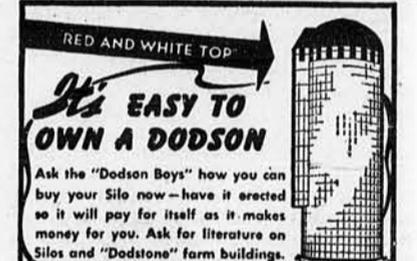


Weights 8 lbs. Pulls 1/2 Tons!

Does more difficult fence work so much Easier, Better, Faster! Powerful, easy to operate. Mechanical "dogs" on strong hooks grip wire securely, hold wire away—prevent injury if wire break. Ideal for drawing both wire-ends taut for splicing. Pulls wires up or down. Handles all kinds of wire. Has many uses besides stretching and repairing fences. Built of finest materials.

ORDER TODAY FROM YOUR DEALER. If he hasn't the genuine Golden Rod, send \$5.95 and we'll ship direct. **\$5.95** postpaid. GET YOURS NOW.

DUTTON-LAINSON CO., Mfg. Div. Dept. 23 Hastings, Nebr.



DODSON MFG. CO., INC.
Wichita and Concordia, Kan.



SINCE THEY WERE BABIES—THE QUINTUPLETS always used this for coughs of CHEST COLDS

The Quintuplets have always relied on Musterole to relieve coughs, sore throat and aching muscles of colds. No other rub at any price gives faster relief! Musterole also helps break up painful local congestion.

In three strengths: Child's Mild Musterole, Regular and Extra Strong for grown-ups. Buy it today!



Marketing Viewpoint

By H. M. Riley, Livestock; John H. McCoy, Feed Grains; Joe W. Koudele, Poultry; Paul L. Kelley, Dairy Products.

Would it be advisable to buy a new combine now? I have some wheat on hand but not enough to pay it all, so would have some interest to pay. What is the outlook on wheat prices?—M. G.

When considered from a long-range viewpoint, it appears that the major trend of wheat prices is downward. World production is gradually returning to normal and the demand for United States wheat in the export trade is expected to decrease in the years immediately ahead. If weather conditions continue favorable, supplies of wheat are expected to accumulate.

The immediate outlook for wheat prices hinges largely upon the support program and progress of the new crop. On the basis of present crop condition substantial price advances are unlikely. It appears that maximum advances will not exceed to any extent the loan rate plus carrying charges, unless unfavorable weather causes a deterioration in crop prospects. On the other hand, until the new crop is fairly well assured the support program is expected to be effective in limiting price declines.

It is extremely difficult to advise on the purchase of a combine. This certainly is not the time to go heavily into debt, and the word heavily is used advisedly because the debt on the combine must be viewed with other obligations in relation to the earning power of the farm business.

Conditions indicate that combines will continue to be scarce next summer. From the practical standpoint, if a combine is definitely needed and can be obtained at a price that is not out of reason, it probably should be purchased. The support price assures you of at least the loan rate for wheat. The loan rate for 1949 production is not known, but it should still be relatively high.

How did prices received by Kansas farmers for eggs and chickens during 1948 compare with those for the United States as a whole?—F. H.

An average of prices received on the 15th of the month for all months, except December in 1948, shows the following: For eggs, Kansas producers received 38.6 cents a dozen as compared with a national average of 47.6 cents a dozen. For chickens, Kansas producers received 23.4 cents a pound as compared with a national average of 29.3 cents a pound.

Will retail prices of milk show any declines since other foods are declining?—H. K.

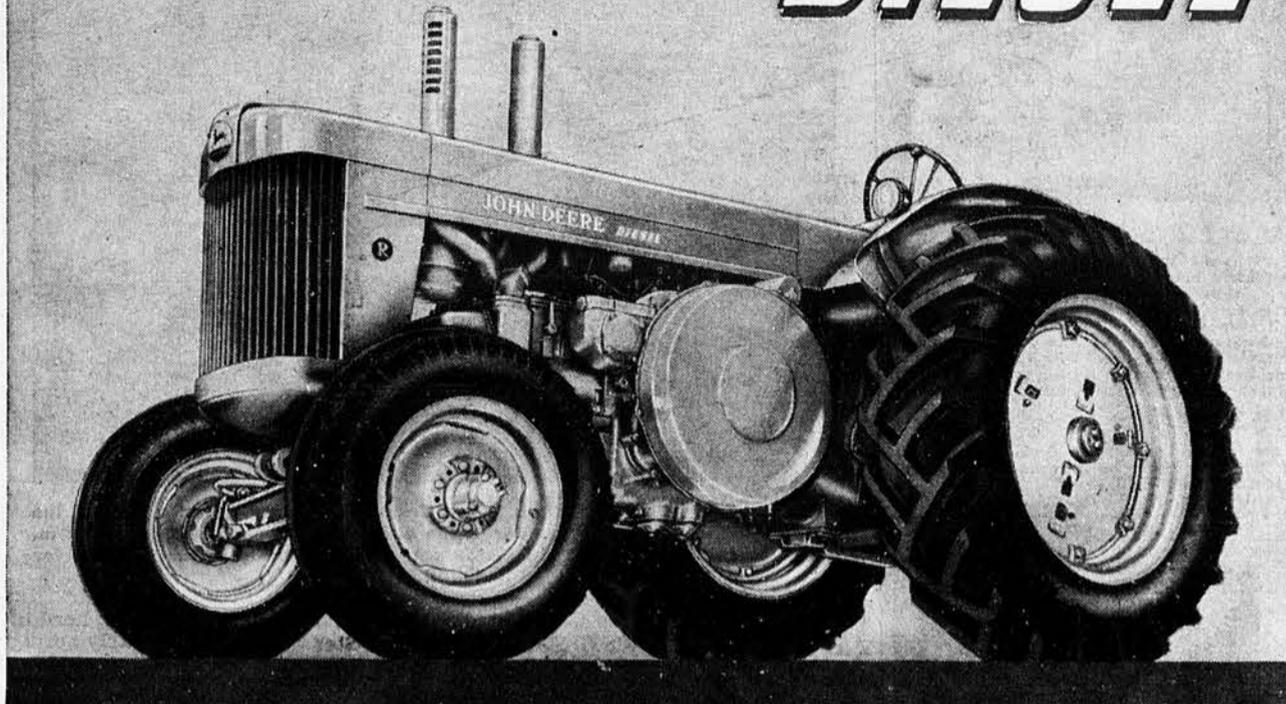
It would seem reasonable to expect some decline in retail milk prices during the spring months. However, retail milk prices probably will not show the same percentage decline as other foods, since milk prices did not rise as much as many foods did in the last few years. Some markets already have reported slight decreases in retail milk prices. This should help maintain consumption. Consumers over the entire country did not consume quite as much fluid milk in 1948 as they did in 1947.

What will prices for good fat steers do in the next 30 days?—J. B.

Prices for all livestock have declined sharply from last summer's high levels. Price breaks in December were especially sharp on fed cattle. The large volume of cattle taken to the feed lots this fall are expected to keep prices on fat steers from recovering much in the next 30 days. However, another break such as occurred in December is not expected in the period you are asking about. It is probable that prices for good fat steers will continue to show weakness. Day to day price variations are expected to be especially sensitive to market receipts.

Colby is named in honor of J. R. Colby, one of the oldest settlers; Effingham, in Atchison county, for Effingham H. Nickels, of Boston, a promoter of the C. B. U. P. railroad; Emporia from the Latin word *emporium*, meaning a market or trading place.

Meet the John Deere DIESEL



YOU'VE heard about this great new tractor. Many of you have seen it on trial runs throughout the country where it passed every test with flying colors. Now, it's in production, and what a tractor it is!

A "heavyweight" among wheel types, the Model "R" has the knockout punch to whip those big jobs in a hurry—the stamina to slug it out continuously under heavy loads in hard, grueling conditions with fewer time-outs for adjustment and repair.

Naturally, you expect greater fuel economy from a Diesel-type engine but you'll be surprised how much farther your fuel dollar goes in the Model "R." Equally important, maintenance expense is bound to be less because the Model "R" is a two-cylinder tractor—with half the pistons, bearings, injectors, etc., required in other wheel-type Diesel tractor engines... with remaining parts built correspondingly heavier, stronger. This means less wear, greater freedom from trouble... fewer, lower repair bills.

In modern design, the "R" is a stand-out. It has the famous John Deere Hydraulic Powr-Trol for effortless operation

of heavy implements. Both Powr-Trol and the power shaft are controlled by an independent clutch for continuous operation when desired. There's a speed for every job. An auxiliary engine provides instant starting.

Comfortable seat... roomy, step-up platform... unobstructed view... convenient controls... foot-operated differential brakes... balanced weight with a highly-efficient steering mechanism—all contribute to an extreme ease of handling that's comparable to smaller tractors.

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How Can Pork Be Scarce?

Criger Stock Farm Produces Hogs by the Hundreds

By ED RUPP



Carl Criger, left, and his father, Albert Criger, Elk county, select a load of the fattest shoats from the remainder of the early spring crop raised on the farm. Those selected are shunted out of the pen to be driven up to the farm lot for loading.

AFTER one look at the Criger stock farm, in Elk county, you would never guess there could be a shortage of pork, or beef either. Included in the ranch are 1,257 acres, much of which is tillable. Most any direction you look you will see pigs. And if you don't see pigs, there will be steers.

In one year's time between 800 and 1,000 pigs grow up on this ranch. And when they range out over the fields they cover a lot of area. The number of steers on a deferred feeding program is smaller in number, only 500, but that many steers can take up a lot of room.

Managing this large livestock business are Albert Criger and his son, Carl Criger. Carl had several years of experience with the army in the European theater during the war as a gunner in the air corps. He looks more at home astride his saddle horse than he would riding a bomber. And you can guess he is much happier than he was while a prisoner for nearly a year after being shot down from his aerial mount.

A third partner on this farm is Jim Criger, another son, who is studying agriculture at Manhattan.

Ever See a "Pig Pony"?

Now riding a horse is not an unusual occupation on this farm. Usually where you find cattle you will find horses. After all, what good is a cowboy without a horse. But this is the first time your correspondent ever saw a "pig pony." They have so many pigs on this farm that they actually find a horse a convenient means of transportation for herding or driving hogs.

After Mr. Criger announced they were going to cut out a load of fat hogs for shipping, he stepped into the stirrup and galloped away. He was riding his white horse that side-reined like a veteran. We fully expected him to do the cutting job on horseback, but he did dismount long enough to select 30 shoats that would tip the scales at

more than 200 pounds from a herd of 100 or more left from his early spring crop.

When the load of shoats had been selected, the men were up on horseback again to herd them across a field and up the road to headquarters where they would be loaded for market. Having had a bit to do with hogs in other days, and being well acquainted with their stubborn ways, we decided we had missed something in early life. These porkers seemed not like pigs at all, they were well mannered when they knew they were being followed by men on horseback.

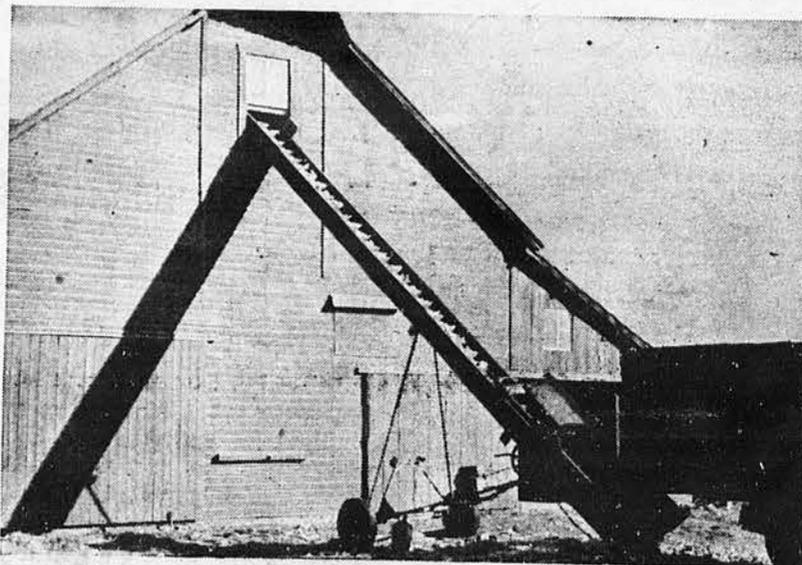
Always Use Gilts

After Mr. Criger reported they produce between 800 and 1,000 pigs a year, a little mental calculation told us that would mean 65 or 70 sows with spring and fall litters. And that many sows could consume a lot of feed: But they do not keep sows on this farm, the pigs are all farrowed from gilts. Son Carl answered the query on that with, "Sows are a nuisance to have around. They're nothing but a bunch of old boarders."

There just isn't room for old sows on this ranch. Farrowing all their pigs from gilts means a saving in feed. And young sows will bring a higher market price than old sows. As Carl put it, old sows are just a bunch of old boarders, especially when running a commercial hog program and not interested in producing registered boars and gilts.

There is something else that is different about their hog program. They raise 2 litters a year, but not in fall and spring. Instead they have spring and summer litters. All gilts farrow when about a year old. The first group will have pigs in March, then the second set will produce the second litter for that year in July. It makes it easier to handle such a large-scale program and they have a good opportunity at hitting a seasonal high market.

(Continued on Page 27)



This stock barn was converted into a granary for use in the immense feeding program on the Criger farm. The portable elevator in use here handles baled hay as well as the ear corn it is carrying up to the top window.

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THE WICHITA DESICCATING CO.



Men on the Criger Stock Farm find cow ponies good for driving hogs, too. This load of porkers was herded across a field and along the road from fattening pen to loading point.

Early pigs are farrowed in a 22-pen farrowing house, but the summer pigs are farrowed out in the open, coming at a time of year when weather-tight shelter is not a must. Even then these pigs can find shelter should they want it. If the shade trees do not suit them completely where they are available, they can slip into large, open shelter houses that are scattered about the farm. These shelters are permanently located where several fences join so pigs can be held on a clean pasture. Usually 3 different pastures are available to each shelter.

Their newest shelter is a tile structure 24 feet deep and 80 feet long. It is open to the front but doors hinged at the top can be dropped down to cover more than half the open front. It helps reduce drafts during most severe weather.

Depend on Pasture

Pasture is one of the big crops grown on this farm. Bluestem pasture is reserved for the steers. And before bluestem comes along in spring, brome grass provides them with good grazing. For pasture the pigs must depend largely on cultivated acreage. But at least some of the cultivated acreage must be used for roughage production, hay and row crops. They had 200 acres of row crops last year and 150 acres of alfalfa. Alfalfa supplied them with hay for the steer program and some grazing for the hogs.

But probably their best hog pasture comes from cereal grains seeded largely for that purpose. Between 100 and 150 acres are seeded in fall to wheat and oats. Yes, they seeded oats in fall for hog pasture, not really expecting it to live thru winter.

Drill Oats Shallow

The secret in getting good fall pasture with a seeding of oats, Mr. Criger says, is to drill it in shallow. Cover it only about one-half inch, he says. The other part of the secret, of course, is fertile ground.

Even the fall oats pasture may last only a few months, it is an important part of the program. Because very little grain is fed to these pigs until they are heavy enough to tip the scales at 100 or 125 pounds. It is not the quickest way to get pigs to market weight, but it saves on grain.

This stock farm has been in the Criger family for 3 generations and the fourth is just now getting busy with his books. He is Pat Criger, 7-year-old son of Carl. But it is only in the last 10 or 12 years that the feeding program has been on such a large scale.

It requires a lot of feed handling, but they have a grain elevator converted from a former stock barn to cut down on labor costs. A feed grinder is in place inside the elevator. After the

feed is ground, it is blown into a storage bin located above the driveway. When ready to take feed to the hogs or steers, a truck is driven onto the scales in the driveway. Feed drops into the truck from a trapdoor until the desired amount is reached.

Driving out with a load of feed for the hogs, the horn replaces the lungs for calling the porkers. When the pigs hear the horn they come running from all corners of the pasture to get their share.

Yes, one wonders how there ever could be a shortage of pork or beef. But short or long, chances are good that a lot of food will go to market from this farm for several more generations.

Buy Fertilizers Early

Since fertilizers will be in very short supply this year, manufacturers are urging farmers to order their fertilizers early and to accept early delivery. Companies do not have storage space for large reserve supplies, it is said.

It is predicted that the demand for commercial fertilizers this coming spring will be the greatest in history. If fertilizer moves out to the farm in a steady flow, production can continue at a regular pace.

Does Many Jobs

The manure loader on the IH tractor on the Alex Blomquist farm, Saline county, gets a real workout. Thru the winter the hydraulic equipment is kept on the tractor and the loader sees regular usage. In summer it doubles as a bulldozer. Mr. Blomquist and his son, Kurtis, built a small blade which hooks on in place of the manure scoop. It comes in handy for small dirt-moving jobs when building terraces. Then, too, they have found this hydraulically-operated loader can do a first-rate job of post pulling when they are repairing fences on the farm.

Good Luck With Brome

Brome grass makes excellent dairy pasture. That is the opinion of Herman Bonine, Neosho county. A couple of years ago he seeded 28 acres of brome for his herd of Jersey cattle. In 1947 he harvested 250 pounds of seed an acre where he applied 100 pounds of ammonium nitrate. Where no nitrate was applied there was no seed. After the seed crop was removed early in summer, the grass provided good grazing until mid-December.

Last year he was unable to get nitrate for his brome. There was no seed crop, but there was good hay and pasture. Early in June he cut a ton of hay an acre. After that the 28-acre patch carried 30 animals in good condition until mid-October.



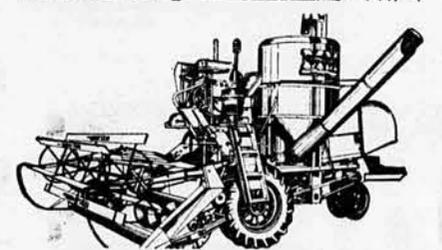
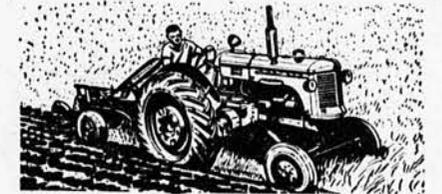
These little pigs on the Criger Stock Farm were not ready for market yet. They were from the summer litter, farrowed in July. A honk of the car horn brought them up for feed. But honking the horn to bring them up for a picture did not work so well. The pigs knew it wasn't feeding time. Only about half of them heeded the call. A new tile shelter house is in the background, showing some of the drop doors lowered for winter protection.

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Family Goals

(Continued from Page 6)

of his ideas were so good they have been adopted by Kansas State College and are now recommended for their practical use. A shortage of water on the farm always has been a problem. This past year Mr. Westhoff went to great expense to get the city water line from Gardner extended a quarter mile, so he now has all the water he needs for home and livestock use.

The Westhoffs have 3 children: Peggy Sue, 14; James Ross, 11, and Ann, 6.

Money for College

Each of the children has certain jobs to do around the farm, and a definite plan has been worked out so James can earn his college money and be equipped to start farming on his own after graduation. Here is the Westhoff plan:

James takes care of all the dairy calves on the farm in exchange for the best heifer calf, her increase, and the feed. As soon as the calves are weaned, they are turned over to him and he takes them from there.

When James gets ready for college, he can do any one of several things: He can sell off his herd for school expenses if he doesn't want to be a dairyman; he can turn the cows over to his father to manage while in school, or, he can go into dairying on his own with or without the college education.

Peggy does all the milk-room work before the night milking and helps her mother with the dishes and housework. Ann is too young yet to take a very active part, but will have her chores assigned as she becomes old enough to care for them.

The Family Travels

Another Balanced Farming point that sometimes is overlooked is planning for family recreation and travel. No family we know has done a better all-around job of planning and carrying out family recreation and travel projects than the C. M. Williams family, of Johnson county.

There are 3 children in the family: Clyde, a freshman now at Kansas University; Lois, a junior in Olathe high school; and Jeanee, in the 4th grade.

Mrs. Williams has been leader of the Sharon 4-H Club for almost 10 years and is the leader for monthly county 4-H Club parties which about 200 young people in the county attend. Last year the Sharon club was one of 7 in the state to receive the WIBW award for outstanding achievement.

Mr. and Mrs. Williams take part in all 4-H Club activities but their interests go much deeper than that. All family activities are built around what the children like to do and, thru careful planning, they get the most out of every event.

One way to do this, they have found, is thru pictures and recordings. They have 2 cameras, one for making colored

slides, and the other for black and white still pictures. These are included everywhere the family goes and pictures are taken to be placed later in albums or, in the case of the slides, to be shown on a screen at family or neighborhood gatherings. In this way every event is relived many times. The family also has 2 recording machines. Many of the youth programs are recorded for future replaying so the young people can hear themselves just as others hear them. These permanent records of pictures and recordings add much to 4-H programs, 4-H projects and family and neighborhood parties.

Fun All Year

Both winter and summer outdoor fun is planned and carried out. The family has a boat on Olathe lake. During the summer as many boating, fishing and swimming parties as possible are planned. Then, in the winter, there are ice-skating parties, chili suppers and hay rides. All thru the year, the family attends farm group meetings such as 4-H Club, Farm Bureau, Farmers Union and Grange events.

Altho they don't always make it, a planned vacation trip for every year is a major project with the Williams family. "Traveling provides both entertainment and education," says Mr. Williams. "We always try to go on these trips as a family but, if that is not possible, part of the family goes."

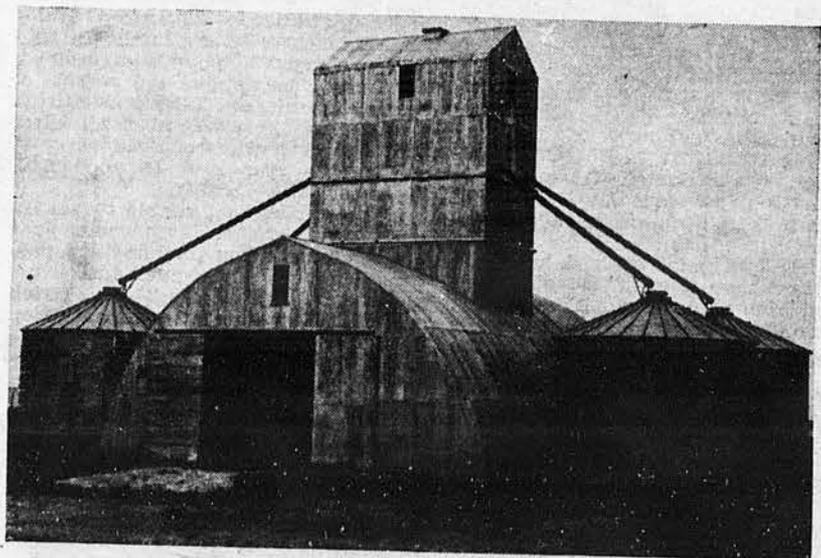
"In 1946, we went to Yellowstone park. In 1947, all of us couldn't get away, so Clyde went to Florida with 3 of his boy friends and Lois went to Canada, down thru California to Mexico, and back home with her grandparents. During 1948, the entire family went back to Virginia, to Washington, D. C., up thru Maine to Canada, and back past Niagara Falls. As the result of this planning, the family has been in 36 states and Clyde has been in all but 5 of the 48 states."

Won a Scholarship

The value of a broad education for the children thru schooling, travel and a good social life was demonstrated during 1948 in Clyde's case. As the result of taking a general intelligence and knowledge test offered by the Navy, he won a 4-year scholarship to Kansas University. He gives the credit to his parents for providing him with lots of good reading material such as newspapers, magazines and books, plus his travel experiences and broad social contacts. "We feel that all of these things are necessary to give children the background and experience they need to meet the problems of life," says Mrs. Williams.

All 3 of these families are stressing points which bring the family as a whole the greatest benefits in comfort, security, good training and enjoyment.

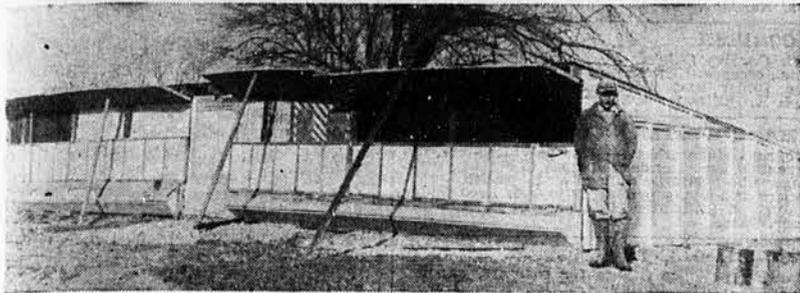
Outmodes the Scoop



THIS 25,000-bushel grain elevator was constructed last year by Elmer Bryant, Lane county. He used part of it for storage purposes last year. In a matter of a few years he figures the elevator will have paid for itself at the usual storage rate.

The 4 outside steel bins hold 3,300 bushels each. And there are six 2,000-bushel bins in the main portion of the structure. All storage space is connected by gravity flow to a 2,000-bushel pit beneath the driveway. Then there is a 1,000-bushel bin above the driveway. The latter 2 bins are reserved for movement of grain between bins or into trucks for delivery. Helping him with the construction was Oscar Link, of Dighton.

Costs 33 Cents a Chick



HERE is a new-type, cheaply-constructed broiler-growing house being used by the Seymour Packing Co., at Burlington. The house is 20 by 40 feet, with a front elevation of 5½ feet and a rear elevation of 2½ feet. Front, side and back panels are removable, feed hoppers are mounted on the outside front and back, and running water the length of the building is provided by a trough. The building has floor space of one square foot for 2 chicks and can be built at a cost of 33 cents a chick. Additional feed hoppers can be installed on both sides by shortening side panels.

Sees Advantage In Deferred Feeding

ON LIMITED acreage deferred feeding has definite advantages. Irl Johnson, Cowley county, proved that to his complete satisfaction last year. It reduced his labor output and made it possible for him to expand his beef-production program.

Before last year he maintained a herd of about 18 Angus cows on his 240-acre farm. Then he switched over to a deferred program, starting with 21 calves in the fall of 1947. They averaged 260 pounds at purchase weight and cost 20 cents a pound in October. He sold them November 22, 1948, at an average weight of 729 pounds. Three of the steers brought 24 cents and the others sold at 25½ cents. His first deferred calves made an average gain of 469 pounds thru the year, somewhat better than average. And they sold at a price of 4 to 5½ cents above purchase cost. Deducting cost of calves and all feed expenses, he figured a return of about \$2,200 for wintering, pasturing and labor.

Wintering expenses were not great. They were roughed thru largely on sorgo silage, prairie hay and a small feeding of alfalfa hay. Early in spring they went on brome grass pasture and sweet clover. In summer he carried them thru on 80 acres of native grass.

About August 1, he started feeding some cake on grass and put them in the dry lot September 1. They were in the dry lot 82 days, with about 70 days on full feed of 14 pounds of grain a day including 1½ pounds of cake.

During cold winter weather, Mr. Johnson says he had warm water available

for the calves. He believes it helped a lot. At least they drank a lot every day even during the coldest weather, where in other years it seemed to him steers drank water only about every other day.

Yes, Mr. Johnson has sold his Angus cow herd. Not that he didn't like raising calves. But he can produce more beef easier with the deferred program on his 240 acres. Anyway, he bought 26 more calves last fall.

Gives Clover a Boost

An application of 1,000 pounds of rock phosphate an acre a year ago made a big difference in oats and sweet clover yields last summer on the Bill Scott farm, Labette county.

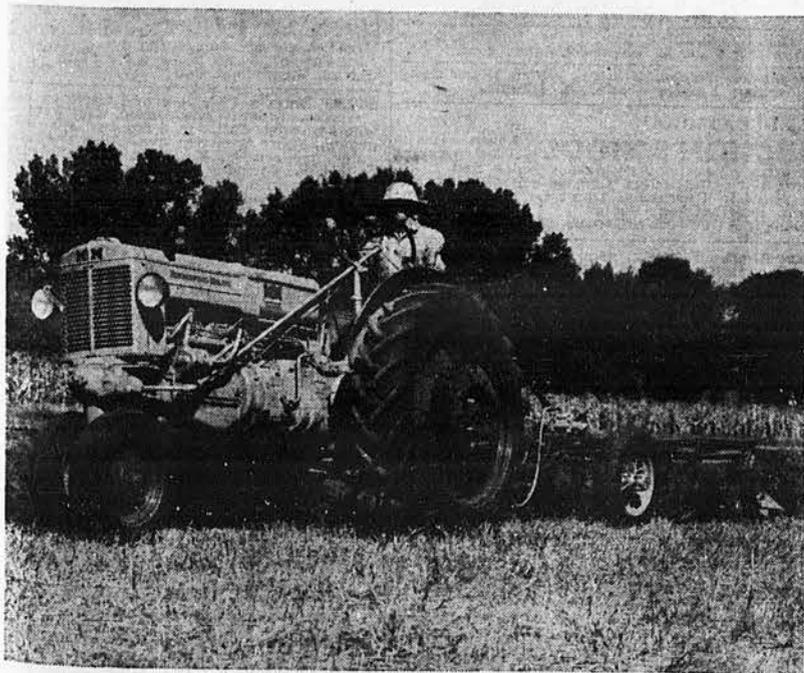
The rock phosphate was applied in a 12-acre field, but he had enough of the fertilizer at that time to cover only about 9 acres. Where phosphate was applied the oats was much better. Altho harvested together, it was estimated there was a difference of about 10 bushels in the yield.

The big difference was in the sweet clover. Where no rock phosphate was applied clover was thin on the ground and was only 2½ feet tall. Where phosphate had been applied the clover stand was good and grew 3½ to 4 feet tall. In midsummer he applied phosphate to the remainder of the field but could see no improvement in that short time.

Next spring he plans to plow sweet clover under for corn.

Best results can be expected from rock phosphate by using it in rotation in this manner.

A Powerful Tractor



THIS new model of the Minneapolis-Moline Z tractor is said to have 10 per cent more power than its previous model. It is designed for the 2-3-bottom plow class. Other features include 4 front-end styles, a steering wheel adjustable to height, back and seat cushions that are both air and hair filled, brake pedals that operate singly or together, large-size rear tires, and optional hydraulic control system for either tractor-mounted or pull-behind implements.



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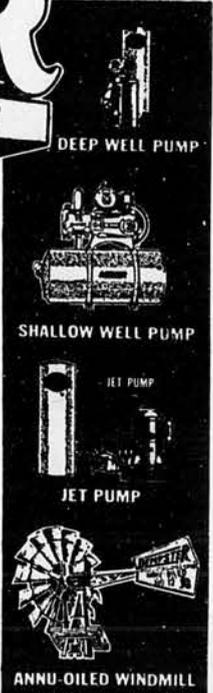
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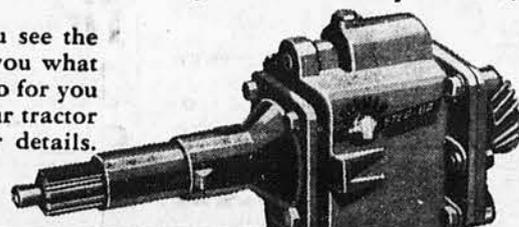
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If you raise White Leghorns, get Coombs STRAIN-CROSSED CHICKS. Share in benefits of hybrid vigor. We believe you'll be well pleased. So will your pocketbook. These chicks are rugged. Pullets lay more eggs under farm conditions than either parent strain. Flock records run as high as 235.6 eggs per bird. Here are averages made by Kansas farm flocks:

Production per bird . . . 219.7 eggs
Avg. egg weight . . . 25.5 oz. per doz.
Feed per doz. eggs . . . 5.4 lbs.

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If you raise Austral-White Chicks, get good ones with real egg breeding. Coombs Austral-White Chicks from cross of high egg production ROP strains, Australorps and Leghorns. High speed fall-winter layers. Farm flocks on test averaged 207.5 eggs this past year.

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25,000 Berry's Chicks every week to raise on shares. Liberal proposition. Get your chicks when wanted. Settle in 6 months when chickens grown. Many varieties available. Cockerels for quick broilers. U. S. Approved. Pullorum controlled. Write today for information about share chicks. Berry's Chicks, Box 3316, Atchison, Kan.

Top Pedigree Breeding produces Both Nationally Famous Chicks—descended from World's Champion Layers. Thousands high egg record males 1949 matings assure you greater profits. 6 breeds and assorted \$6.90 per 100 up. Free catalog in natural colors. Advance orders save 3c chick. Booth Farms, Box 736, Clinton, Mo.

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Baby Chicks, \$4.00 per 100 up. Leading pure breeds and hybrids. Backed by 46 years breeding for high egg production. Blood tested past 20 years. Circular free. Steinhoff Hatchery and Farms, Osage City, Kan.

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Chicks on a 30-days trial guarantee. All varieties Missouri Approved. Blood tested. Easy buying plan. Low prices. Chick manual free. Missouri State Hatchery, Box 171, Butler, Mo.

Sensational Value—Assorted Heavies \$6.85. Mixed Assorted \$6.45. No Cripples. No Culls. Send money order, prompt shipment. 100% alive. FOB. Clinton Chick Store, Clinton, Missouri.

What the President Wants

(Continued from Page 7)

market for agricultural products, particularly among low-income groups, and to increase and stabilize foreign markets."

In pursuance of the program for increasing consumption among lower income groups, Senator Aiken, of Vermont, ranking Republican member of the Senate Agriculture committee, immediately following the delivery of the President's message, reintroduced his National Food Allotment bill. The bill carries these provisions, so far as the recipient families are concerned:

First, every American family is entitled to an "adequate" diet; what it takes to make an adequate diet is set forth in the bill.

Second, no American family should be required to spend more than 40 per cent of its income for the adequate food diet.

Third, thru the use of food stamps, the difference between 40 per cent of the family income and the cost of an adequate diet would be paid by the Federal treasury.

How It Would Work

Senator Aiken says here is an example of how the program would work: "Suppose the retail cost of the food allotment per person was \$15 a month and for a family of 4 was \$60. If the family had an income of \$100 a month, it could get the \$60 worth coupons for \$40. If the family income was \$125, it could buy the same number of coupons for \$50. But if its income was \$150, the family would have to pay \$60 for \$60 worth of coupons and therefore would find no advantage in participating. . . . Thus, the Government's contribution would largely represent a net increase in family food consumption."

Under the language of the bill, this family with no member working, would be entitled to \$60 worth of coupons for 40 per cent of its combined income from unemployment compensation, strike benefits, and/or other source of income.

"Operation of the program would be relatively simple," according to Senator Aiken. It would not be in any sense a relief program; no 'means test' or long investigations by welfare agencies would be necessary. A simple declaration of income, similar to that required with the Federal income tax, would be sufficient. Any family would be eligible to buy coupons by paying the required percentage of its income.

"This would be in marked contrast to the food stamp plan, which in almost every area was limited to families receiving public assistance. If the food-allotment program is used to its maximum limit the best estimate of its cost is around 125 billion dollars a year. . . . The actual cost will depend upon the extent to which Congress is willing to appropriate funds for it. . . . It is conceivable that the expenditure of say a billion dollars under the food-allotment plan would so stimulate the economy as to offset the cost of the program. . . . It is substantially different from the prewar food-stamp plan."

For the immediate future, or as long as it is in effect, the European Recovery program should continue to provide an export market for some farm surpluses, depending upon Congressional appropriations—and the proportion not required for foreign rearmament purposes.

Urges More for Farmers

President Truman intends to continue doing more for the farmers than just support prices and impose production controls and provide adequate diets for all American families, however.

"We should give special attention to extending modern conveniences and services to our farms. Rural electrification should be pushed forward. And in considering legislation relating to housing, education, health, and social security, special attention should be given to rural problems. . . . We should push forward with the development of our rivers for power, irrigation, navigation and flood control. We should apply the lessons of our Tennessee Valley experience to our other great river basins."

Farmers are not singled out alone for government-benefits, however. As noted in the Aiken bill, every American is to be guaranteed an adequate diet from the cradle to the grave. Social se-

curity benefits are to be extended to all workers and self-employed persons; farm operators as well as farm workers.

The general level of health in the country is to be raised thru use of Federal funds and controls. Free medical services as required are to be provided for all, thru "a system of prepaid medical insurance which will enable every American to afford good medical care." Specific provisions, including something similar to the employees' withholding tax, are to come later.

Education for all Americans also has become a Federal obligation, the President points out.

"It is equally shocking," he told the Congress, "that millions of our children are not receiving a good education. Millions of them are in overcrowded, obsolete buildings. We are short of teachers, because teachers' salaries are too low to attract new teachers, or to hold the ones we have. I cannot repeat too strongly my desire for prompt Federal financial aid to states to help them operate and maintain their school systems."

"The housing shortage continues to be acute. Congress should enact the provisions for low-rent public housing, slum clearance, farm housing, and housing research which I have repeatedly recommended. The number of low-rent housing units provided for in the legislation should be increased to one million units in the next 7 years. . . ."

"The civil rights proposals I made to the 80th Congress I now repeat to the 81st Congress. . . ."

"Until a system of world security is established upon which we can safely rely, we cannot escape the burden of creating and maintaining armed forces sufficient to deter aggression (thruout the world). Further improvements in our national security legislation are necessary.

"Universal military training is essential to the security of the United States."

Wants Act Repealed

"That act should be repealed," he said, after a paragraph denouncing the Taft-Hartley Act.

The President urged tax increases (corporation, estate and gift and middle and higher income brackets) to raise an additional \$4,000,000,000 a year. This figure would not include social medicine and other food allotment and some other parts of the social reform program, approaching Britain's socialist program.

In addition to the controls required for the farm program, the President asked also the following powers, as part of the price for the millenium which, like prosperity's return in 1930, seems to be just around the corner:

"At the present time, our prosperity is threatened by inflationary pressures at a number of critical points in the economy," the President told the Congress. "The Government must be in position to take effective action at these danger spots. To that end, I recommend that Congress enact legislation for the following purposes:

"First, to continue the power to control control consumer credit and enlarge the power to control bank credit.

"Second, to grant authority to regulate speculation on the commodity exchanges. (The bill by Barkley last session would give the President authority to require 100 per cent margins, practically ending hedging in the grain markets.)

"Third, to continue export authority control and to provide adequate machinery for its enforcement.

"Fourth, to continue the priorities and allocation authority in the field of transportation.

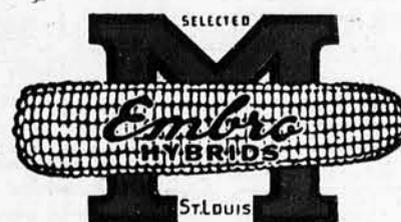
"Fifth, to authorize priorities and allocations for key materials in short supply.

"Sixth, to extend and strengthen rent control.

"Seventh, to provide standby authority to impose price ceilings for scarce commodities which basically affect essential industrial production or the COST OF LIVING (foodstuffs included), and to limit UNJUSTIFIED wage adjustments which would force a break in the established price ceilings.

"Eighth, to authorize an immediate study of the adequacy of production facilities in critical short supply, such as steel; and, if found necessary, to authorize government loans for the expansion of production facilities to relieve such shortages, AND FURTHERMORE TO AUTHORIZE THE CONSTRUCTION OF SUCH FACILITIES DIRECTLY IF ACTION BY PRIVATE INDUSTRY FAILS TO MEET THE NEEDS."

President Truman calls his program the "Fair Deal." The state of the union is good, after 16 years of the New Deal, with the exceptions noted, and the need for additional controls and expenditures noted in the message.



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EMBRO Hybrid Seed Corn

Plant Embro for larger yields and larger profits.

There is an Embro hybrid especially adapted for your farm.

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Monitor ALL THE WAY

● A dipper full to drink, or a thousand gallons for livestock—all the fresh clean water you want, whenever you want it—when your well is equipped with MONITOR all the way.

THE PUMP

Here is a heavy-duty pump built especially for modern service with pump jack or windmill. Other MONITOR models for other needs.

THE JACK

This pump jack has the new MONITOR prize-winning design, with positive oiling, spiral gears, almost silent operation. It runs easier, lasts much longer.

New engineering provides a balance of strains on working parts, keeping bearings true at all pump rod loads up to 1,000 lbs. Fitted for electric or gas engine drive.

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Hardy Recleaned Tested Kansas Alfalfa Seed \$23.70
 Certified Buffalo Alfalfa \$57.00, Sweet Clover \$10.80, Kansas Bromes \$5.60, all per bushel track Concordia, bags free. Carries return guarantee.
 Samples, folder, prices other seeds on request.
JACK BOWMAN, Box 615, Concordia, Kan.

KANSAS CERTIFIED HYBRID SEED CORN
 K-2234 U. S. 13 K-1784 K-1585 K-1583
 The quality is excellent. Detasseling, processing, and grading properly supervised. All seed treated with Spergon DDT.
 Prices: K-2234, Flats, \$10.50; U. S. 13, K-1784, K-1585, K-1583, \$9.00. Freight prepaid.
 Inquiries welcome.
CARL BILIMAN, Holton, Kansas

Lespedeza, \$10.00 per 100; Bromes Grass, \$25.00; Alfalfa, fancy \$45.00, choice \$35.00; German Millet, \$6.00; Orange Cane, \$5.00; Atlas Sargo, \$5.00; African Millet, \$6.00. Hybrid Seed Corn, \$7.00. Samples free. Send for catalog. Hayes Seed House, Topeka, Kan.

Cherokee Seed Oats—True to name seed. Write for prices, bag, truck load or carlot. Harry Bullock, Okaloosa, Kan., or United Hybrid Growers Association, Shenandoah, Ia.

Pure, Certified Pink Kafr, Norkan, Midland and Ellis, the new white-seeded sweet sorghum forage crop. Fort Hays Experiment Station, Hays, Kan.

Cherokee Seed Oats—\$2.75 retail. Special wholesale prices on truck or carload lots. Wilson Hybrids, Inc., Harlan, Iowa.

For Sale: Hardest and best yielding Alfalfa and Pasture Grass Seed. Bober's Seeds, Box 751, Rapid City, S. D.

Certified Madrid Clover and Atlas Sorgo for sale now. Rolland Klaassen, Whitewater, Kan.

PLANTS AND NURSERY STOCK
 Strawberry Plants Postpaid, Premier, Aroma, Blakemore, Klondike, Tenn. Beauty, Dunlaps, Missionary, 100—\$1.25; 500—\$4.00; 1,000—\$7.00. Everbearings, Progressive and Gems, 100—\$2.50; 500—\$8.00; 1,000—\$15.00. Warren H. Lackey, Harrison, Tenn.

50 Two-Year Concord grapevines \$4.00, list free. Ponzer Nursery, Rolla, Mo.

ELECTRICAL EQUIPMENT

LIGHT PLANTS
 Complete stock of parts for Delco—Montgomery Ward, Fairbanks-Morse, Onan, Sears.
GENERAL PRODUCTS
 159 No. Emporia Wichita, Kan.

For Sale—Large Stock 32-Volt Electric Appliances, fans, butter churns, electrical drills, hair clippers, shavers, irons, toasters, heating pads, combination radio and phonographs, cylinder vacuum cleaners, Dormeyer food mixers, electric motors in 1/2, 3/4 and 1 H.P. Regular list prices. Bridgeport Equipment Co., Inc., Bridgeport, Nebr.

AUTOMOTIVE
 Welding Generators, 150 ampere \$47.50, 1/2 horse, 1750 RPM motors, \$19.75, 3/4 horse, 3450 RPM, \$22.50, 1 horse, \$28.50. Compressors, \$17.50. Butler, 1885 Milwaukee, Chicago.

MISCELLANEOUS
 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.

Fish Bait—Over 20 recipes and suggestions only 10c. Many favorable reports received. K. F. Fisherman, 1715 Lane, Topeka, Kan.

Life of Jesse James, 35c. Luhn's Book Store, St. Joseph, Mo.

Gas & Electric Kitchen Ranges Coal and Wood Ranges Combination Ranges
 Coal, Wood and Electric or Coal, Wood and Bottled Gas
 14 Famous Brands to choose from Write or Visit
MIDWEST APPLIANCE STORE
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HONEY
 New Crop, Fine Flavor and Quality. Sixty-pound can, \$12.00. Prepaid to 400 miles.
HAHN APIARIES
 1715 Lane Topeka, Kansas

February 5 Will Be Our Next Issue
 Ads for the Classified and Livestock Section must be in our hands by **Saturday, January 29**
 If your ad is late, send it in Special Delivery to 912 Kansas Ave.

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

MACHINERY AND PARTS

New Jayhawk, America's best hydraulic loader buy! Simplified design. No framework above tractor. Attaches, detaches 3 minutes. Tested to 2,350 pounds. Has patented automatic load leveler. Hay crane, bulldozer, sweeper, snow scoop attachments. Fits 53 row crop and wide tread tractors. Costs less to buy, operate, maintain. Free catalog gives full details. Write Wyatt Mfg. Co., Box L-58, Salina, Kan.

For Sale—High Speed Road Gear Attachment 15 miles per hour—easy to install to fit John Deere Tractors A and B, also McCormick-Deering Regular F20 and F30 Tractors. Bridgeport Equipment Co., Inc., Bridgeport, Nebr.

Hi-Compression Kit, Inserts and manifold for John Deere tractors. Easily installed. Priced, many satisfied users. Write Canfield Supply, Box 372, Fairfield, Iowa.

New and Used Tractor Parts. Write for big, free 1949 catalogue; tremendous savings. Satisfaction guaranteed. Central Tractor Wrecking Co., Des Moines 3, Iowa.

Headquarters for Tractor Parts, most all makes. Send for free 76-page 1949 catalogue. Acme Tractor Salvage Company, Lincoln, Nebr.

Richman's Grain Elevators, Poorman's Price, \$130.00 up. Immediate shipment. Get free circular. Link Mfg. Co., Fargo, N. D.

FARM EQUIPMENT

WHITE HOUSE PAINT
 Guaranteed unconditionally 3 years. Pure linseed oil and white lead. A \$5.49 value. Mail orders filled. Limit 25 gallons per customer.
 \$3.88 per gal. in 5's
Moore's Farm Store, 7 West B, Hutchinson, Kan.

Clearance Sale—Hammer mills, hammer mill belts, blowers, elevators, speedjacks, disc harrows, tank heaters, weed burners, Butler grain bins, cream separators, manure loaders, oil heaters, pump jacks, tractor tires, gas engines, electric motors, electric drills, electric chick waterers, electric brooders, electric washing machines. Henderson Implement Company, Omaha 8, Nebr.

Automatic Jayhawk one-man hay tool sweeps, loads wagons, stacks easier, faster, cheaper than any other machine. Fits any tractor, truck, jeep. Attaches, detaches 2 minutes. Carries load on own wheels. Hydraulic or mechanical operation. Very low priced. Free catalog. Write Wyatt Mfg. Co., Box A-26, Salina, Kan.

Skyline All-Purpose feed mills. Order yours now. Price complete is \$245.00. Satisfaction guaranteed. This price good only until our present stock is exhausted. R. V. Lehner Company, Distributors, Ness City, Kan.

FILMS AND PRINTS

3c Deckledge Reprints 3c
 Beautiful Velox Deckledge prints made from your negatives only 3c each. 6 or 8 Exposure rolls developed and printed on deckledge paper 25c. Aircraft DeLuxe enlargements three 5x7 only 50c. Four 8x10 enlargements from negatives \$1.00. Your favorite photo copied and 10 printed made 65c.
SUMMERS STUDIO, Unionville, Mo.

This Ad Plus 35c gives you 16 Jumbo, oversize, enlarged prints from any 8-exposure roll developed. Enlargement coupon free. Quality and quick service for 19 years. Skrudland, 6444-H Diversey, Chicago.

Prompt Service. Two prints ("Never Fade" Deckledge Velox) of each negative on roll 30c. Highest quality. Reprints special offer. Write Welch Photo Company, 2418-32 Penn., Minneapolis, Minn.

Valentine and Easter Cards from your negative. 18 for \$1.00. Three prints each 8-exposure roll 40c. Two each 35c. One each 25c. Reprints 3c. L. V. Eastman, Bode, Iowa.

This Ad and 25c gets you 10 oversize reprints or 5 4x6 enlargements. Jumbo Printers, Lake Geneva 5, Wis.

AGENTS AND SALESMEN

Earn Up to \$23 Weekly and get your own dresses as a bonus without a penny of cost to you. Show Fashion Frocks to friends. No canvassing, investment or experience necessary. Fashion Frocks, Dept. B-1081, Cincinnati, Ohio.

FARMS—KANSAS

Improved 80 Acres, 8 miles from 2 towns, 12 miles from county seat, on highway 57, electricity available, \$4,000, immediate possession. Improved 80 acres in Catholic community, fine high school, 5 miles from town, fine highway, gas and oil on next farm, \$5,750. Possession March 1. W. Graves, St. Paul, Kan.

Stock Farm, 5 miles town, 360 acres, highly improved, 2 large silos, good water, 200 plow, 80 fine bottom, \$85 per acre. T. B. Godsey, Emporia, Kan.

For Sale—Well improved 160 acres. Write for particulars. Lars Peterson, Owner, Osage City, Kan.

FARMS—MISCELLANEOUS

Only 20 Miles Topeka . . . 160-acre diversified Kansas farm watered by branch and well, close-in location, good buildings, immediately available at only \$5,550! Dandy 10-room house, electricity available, well, cistern, good 20x40 frame barn, 12x20 poultry house, tool house, graded RFD road, only 1/4 mile grade school, 3 1/2 high school town; 70 have been cultivated, 14 bottom, 5 alfalfa, 15 wooded, some marketable timber; immediate possession, extraordinary value offered by aged owner at only \$5,550, terms. Write for details and big free Winter catalog many states. United Farm Agency, 128-KF, BMA Bldg., Kansas City 8, Mo.

Strout's Farm Catalog, Fall-Winter issue mailed free! Over 2,800 genuine bargains Coast to Coast. Tell us what you want. Where? Price? Terms? Save thru Strout Realty, 20 West 9th St., Kansas City 6, Mo.

900 Acres Bent County, Colorado. Improved general-purpose farm, 300 acres under cultivation. Near railroad and state highway. Price \$22,500. Terms. Louis Miller, Frankfort, Ind.

Trend of the Markets

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

	Week Ago	Month Ago	Year Ago
Steers, Fed	\$26.50	\$32.00	\$34.75
Hogs	21.75	22.25	28.75
Lambs	24.25	24.50	26.50
Hens, 4 to 5 lbs.	.25	.25 1/2	.18
Eggs, Standards	.44 1/2	.47 1/2	.40 1/2
Butterfat, No. 1	.63	.61	.88
Wheat, No. 2, Hard	2.29 1/2	2.38	3.47 1/2
Corn, No. 2, Yellow	1.45	1.43 1/4	2.84 1/2
Oats, No. 2, White	.90 1/2	.89 1/2	1.49
Barley, No. 2	1.30	1.36 1/2	2.16
Alfalfa, No. 1	30.00	30.00	39.00
Prairie, No. 1	17.00	17.00	20.00

Farm Home Meet At Coffeyville

ANNOUNCEMENT of the detailed program for the Southeast Kansas Farm, Home and Industrial Conference in Coffeyville, January 26-27, indicates both rural and urban residents of that area will have a profitable 2-day session. The event is sponsored by the Coffeyville Chamber of Commerce, in co-operation with the Kansas State College Extension Service.

In an assembly opening the conference, Paul W. Griffith, of the Extension Service, will discuss "Keeping Southeast Kansas Agriculture Up-to-Date," and L. A. Hawkins, Chicago, will speak on the topic, "Industry and Agriculture Work Together." Hawkins is with the farm practice research department of International Harvester Company.

Separate agricultural, home economics and industrial meetings will be held the first afternoon and second morning of the conference. Round-table discussions in which the audience is invited to participate will be included.

C. R. Jaccard and R. C. Lind, both of Kansas State College, will discuss soil-conservation topics in the opening agricultural section. Jaccard's topic is economics of soil conservation and Lind's topic is conservation problems in Southeast Kansas. The round-table discussion will be on a soil-conservation and flood-control program.

A Fashion Talk

Present-day fabrics and fashions will be discussed by Mrs. Sara Pennoyer, Kansas City, Mo., at the women's section, January 26. She is a fashion stylist with the Donnelly Garment Co. The second speaker for this program is Mrs. Ruth Gagliardo, Lawrence, whose topic is books for the entire family. She is director of the reading circle for the Kansas State Teachers Association.

One of the most popular speakers in this area, Roberto De La Rosa, cultural agent for the Mexican government, has been obtained for a program the first evening of the conference. He will use as his topic, "The Other American Way of Life." Another feature of this program will be songs by the Montgomery County Chorus.

The agricultural section Thursday morning, January 27, will be on public policies and legislation relating to agriculture. Roy R. Green, agricultural economist with the Federal Reserve Bank at Kansas City, Mo., will discuss the economic situation as it affects agriculture. R. J. Doll, of the economics and sociology department at Kansas State College, will follow with a talk on federal agricultural legislation. In a panel on these topics, representatives of Kansas farm organizations will assist Green, Doll and Jaccard. They include J. D. Smerchek, Manhattan, secretary-treasurer, Kansas Farm Bu-

reau; E. T. Fortune, St. Marys, president, Kansas Farmers Union; and Ray Teagarden, LaCygne, master, Kansas Grange.

Opening the home economics section January 27 will be a discussion of Kansas artists by John F. Helm, of the department of architecture at Kansas State College. Mrs. Carol Stensland, executive secretary of the Kansas Commission for UNESCO, will follow with a talk, "You, Your Community and World Peace." Awards of standard of excellence to home demonstration units by Miss Georgiana H. Smurthwaite, state home demonstration leader, will conclude the session.

Making the Farm Pay

A 3-phase program covering the fields of the conference is scheduled for the closing assembly program the afternoon of January 27. Dean L. C. Williams, of the Kansas State College Extension Service, will speak on "Making Farm Practices Pay Off"; Miss Smurthwaite on "Today's Home"; and M. A. Durland on "Engineering Ideas Pay Off in Kansas." He is assistant dean of the school of engineering and architecture at Kansas State College.

J. A. Trovillo, manager of the industrial department of the Wichita Chamber of Commerce, is scheduled to speak on the industrial section program the opening afternoon of the conference. His topic is "The Community and Its Industrial Development." The other speaker for this session is L. A. Hawkins, who is also to appear on the program which opens the conference.

The industrial section Thursday morning, January 27, will be devoted to a discussion of the outlook and problems of industry and business in Southeast Kansas. Prominent industrial, financial and businessmen from the area are to participate.

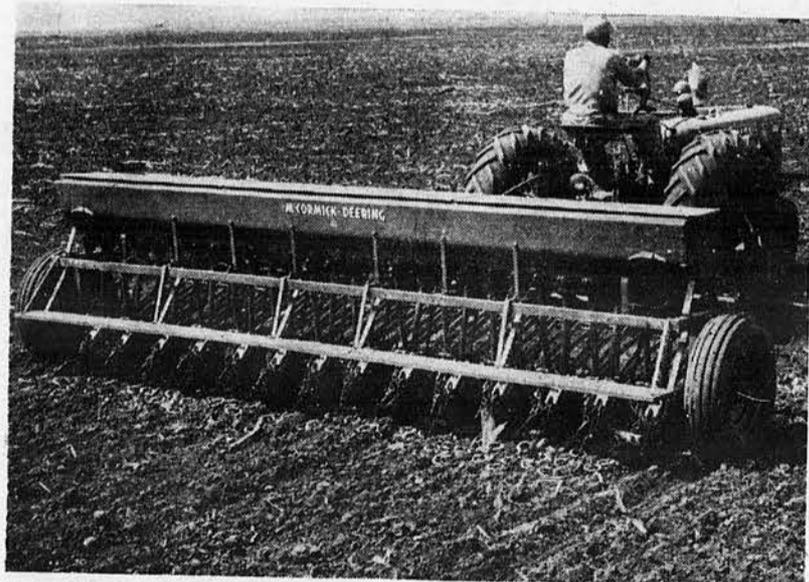
Dates of the other 4 Kansas Farm, Home and Industrial conferences are: Hutchinson, March 28-29; Dodge City, March 29-30; Colby, March 30-31; Beloit, March 31-April 1. All are sponsored by the local Chamber of Commerce and Kansas State College.

Less TB

Bovine TB is on the decline, states the U. S. Department of Agriculture. Since 1918, when the State-Federal tuberculosis eradication program was started, reactors among tested cattle have been reduced from 5 per cent to 0.19 per cent.

The same reduction has been found in condemned carcasses. These have been reduced from one half of one per cent to 0.008 per cent. Similar reductions have been made in condemnation of hog carcasses.

Accuracy in Seeding



INTERNATIONAL HARVESTER'S new model M low-wheel grain drill in the 28-6 (14-foot) size seeding 5 1/2 acres of grain an hour. This new drill, available in various sizes, operates on 6:00x16 tires. It offers smooth, light draft operation and accurately controlled depth on seedbeds. Bearings are pressure lubricated and sealed against dust. The new model MF, similar to the M, has a large-capacity divided hopper for fertilizer on one side and seed on the other. The fertilizer adjustment can be set to dispense 30 to 1,135 pounds of commercial fertilizer to the acre. Both the models M and MF will be available with fluted or double-run feed and with a selection of furrow openers.

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SHEEHY'S ANNUAL DUROC BRED GILT SALE

Welty Bros. Sales Pavilion

Nevada, Missouri
Thursday, February 3
A Sale of
40 CHOICE, WELL GROWN DUROC BRED GILTS

They will farrow in February and March and are bred to the following boars—Missouri Star by Star Blend; Eureka Ham by Eureka; Bright Ace by Proud Crusader; Super Master by Super Sensation. If you want choice gilts of good breeding at reasonable prices then don't miss this sale. Write for sale catalog to

C. M. Sheehy & Son, Richards, Mo.

BUY MISSOURI DUROCS
45 Duroc Bred Gilts

Sell at the Chamber of Commerce Sales Pavilion just back of Transit House in

South St. Joseph, Mo.
on Tuesday, February 1
(Time 1 P. M.)

30 Gilts bred to "Modern Trend," the boar who has sired so many prize winners at leading shows. His get will be new blood for Kansas breeders and farmers. 15 bred to "Progress," who has sired so many good ones for us. 5 Fall Boars sell. We never sold a better offering than this one. Come see them sell. We would like to send you one of our sale catalogs. Write to

EARL MARTIN & SON, DeKalb, Mo.
Auctioneer: Bert Powell and Earl Kearns

SHEPHERD'S SUPERIOR DUROCS

Offering excellent Bred Gilts sired by or bred to Super-Spotlight, Lo Thickmaster, Perfect Trend or latter February and March farrow. Also serviceable boars—big thick, deep bodied. Real Red heavy humped. Visitors say "Best I ever saw." None better. Registered. Immuned. See these or write before buying elsewhere. Durocs only since 1901. Prices right. G. M. Shepherd, Lyons, Kan.

DUROC BRED GILTS AND BOARS

All ages, by Top Crown by the Illinois champion Crown Prince. Satisfaction or your money back. Best we ever raised.

BEN M. HOOK & SON, Silver Lake, Kansas

Kansas Spotted Poland Breeders' Association
BRED SOW SALE

at the Sale Barn at

Marysville, Kan., Feb. 22

Write WAYNE L. DAVIS, Sale Mgr
Mahaska, Kansas

Spotted Poland Sale

Fairgrounds

Topeka, Kansas
February 14, 1949

40 Top Bred Gilts. For information and sale catalog write:

HERBERT or H. E. HOLLIDAY
Richland, Kansas
or CLYDE MILLER
Rt. 2, North Topeka, Kan.

For Sale
REGISTERED POLAND CHINA GILTS AND FALL BOARS

Sired by Challenger's Wonder, Black Star and Manchu's Echo. Bred to 2 great Boars, Massif Lad, first prize fall boar at Des Moines and a great son of Shawnee for March and April farrow.

Will sell one or truckload at reasonable price.

J. H. SAYLER, Lyndon, Kan.

SPOTTED POLAND CHINA BOARS

Ready for service. Sows and gilts sired by or bred to Buster Boy and his helper, Advancer Grandview Supreme. Weanling pigs champion breeding.

DALE KONKEL, Haviland, Kansas

Chester White Boars, Gilts, Pigs
100 Chester White Boars; Special prices on Summer Gilts; Weanling Pigs; registered, vaccinated. BLOOM RANCH, Corning, Iowa.

QUALITY HAMPSHIRE FOR SALE

Production tested, nations top bloodlines. Boars, Gilts, Sows and Pigs. Priced reasonable. For sale at all times.

DWAIN HOLCOM, Gypsum, Kan.

Coming Events

January 15—Finney county foods and nutrition leaders training school, Gertrude Allen, Garden City.

January 17—Jackson county livestock and crops school, Holton.

January 17—Harper county 4-H Achievement banquet, Anthony.

January 18—Harvey county annual Dairy Herd Improvement Association meeting, Newton.

January 18-19—Johnson county farm management and planning school, Paul Griffith, specialist, Olathe, Legion building.

January 19—Mitchell county. District sheep and swine school, C. G. Elling, Beloit, municipal building.

January 19—Lyon county Soil Conservation Service annual meeting.

January 20—Labette county-wide 4-H meeting with Roger Regnier, assistant state 4-H Club leader.

January 21—Shawnee county. District sheep and swine school, Garfield Park Shelterhouse, North Topeka, 10 a. m. to 3 p. m. Make reservations with your county agent for dinner. Carl Elling, KSC in charge of program.

January 24—Barton, Stafford and Pawnee counties D. H. I. A. meeting, Great Bend.

January 24—Ottawa county project lesson for home furnishings, Minneapolis.

January 24—Osborne county district 4-H leaders conference, Osborne, Legion Hall, Glen Bussett.

January 24-25—Mitchell county balanced farming school, Beloit municipal building.

January 24-25—Mitchell county home improvement school. Extension specialists, Self, Stover, Wendling. Municipal building, Beloit.

January 25—Ellsworth, Pawnee, Rice, Rush, Russell and Stafford counties district sheep and swine school, Great Bend.

January 25—Chautauqua county winter beef and crop school, specialists E. A. Cleavinger, Lot F. Taylor, Claude King, Sedan.

January 26—Barton county administrative conference for township officers, Hoisington.

January 26—Morton county winter school of agronomy and irrigation, Frank Bieberly, Walter Selby.

January 26—Woodson county home demonstration unit health leaders, Martha Brill, leader. Yates Center, courthouse.

January 26—Finney county district 4-H leaders training school, John Hanna, Garden City.

January 26—Osborne county annual meeting soil conservation district co-operators.

January 26-27—Jewell county home improvement meeting, Mrs. Self, Harold Stover, Leo Wendling.

January 27—Pottawatomie county tractor maintenance school, Wamego.

January 28—Butler county district sheep and swine school, El Dorado. C. G. Elling, in charge.

January 28—Shawnee county first 1949 stag night, Garfield Park Shelterhouse, 7 p. m. Feeding soil to produce healthy people. Phone 8682, Topeka for reservation.

January 28—Mitchell county crops and livestock school, Beloit, Municipal building, 10 a. m. Hoss and Willoughby, specialists in charge.

January 28—Harvey county district 4-H leaders conference, Newton.

February 1—Johnson county family life meeting.

February 1-4—Riley county agricultural week, Manhattan.

February 5—Norton county 4-H county council, Norton, Legion hall, 1:30 p. m.

February 7—Johnson county clothing school, Christine Wiggins, specialist.

February 7—Johnson county 4-H council meeting, Olathe, Legion building.

February 7—Pottawatomie county beef and crops school, Westmoreland.

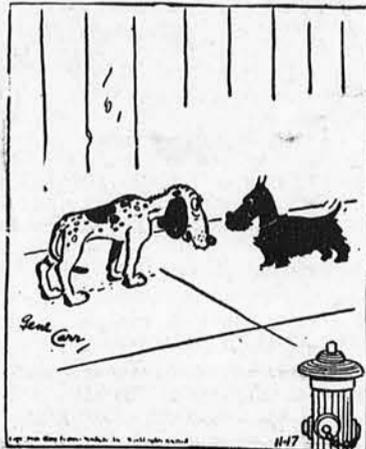
February 8—Lyon county crops, livestock and insect school, Emporia.

February 8—Shawnee county farmers day, C. L. King, Lot Taylor and L. E. Willoughby, in charge. It will be a plant disease, livestock and crop production meeting.

February 9—Chautauqua county horticulture meeting, Jerry Amstein, "Garden Culture and Care."

February 9—Johnson county rural life meeting, Olathe, Legion building.

February 9-10—Woodson county Farm and Home improvement school, Vera Ellithorpe, Harold Ramsour, Leo T. Wendling, leaders, Yates Center.



"Sure I'm glad to see you—I'm just tired of wagging my tail, that's all."

Bauer Brothers Annual Poland China BRED SOW SALE

Friday, February 11, (1 P. M.) at Fairbury, Nebr.
70 HEAD—60 Bred Gilts and 10 Fall Boars

60 BRED BILTS—Sired by Copyright, Midwest, Desirable and Grand Nation—an offering of broody, herd building material.

10 FALL BOAR PIGS—sired by Copyright and Desirable.

HERD BOARS—Gladstone, fully as great a boar as the greatest ever used in this herd. He is large, thick and perfectly balanced and sound. A top candidate for high honor at this year's shows. Copyright—Senior herd sire—a phenomenal sire with 1948 sons heading 5 leading herds including Oscar Andersons of Illinois.

NOTE—Our mailing list has been revised. For catalog write to



THIS IS COPYRIGHT

BAUER BROTHERS, Gladstone, Nebr.

Auctioneer: Harve Duncan

Jesse R. Johnson with Kansas Farmer

Annual Duroc Sale, Monday, Feb. 7

at 1 P. M. at the Amis Sale Barn,

Smith Center, Kan.

Judging contest in the A. M. for F. F. A. and 4-H Club members. Instructors and leaders are invited to bring their students and participate in this event at 9:30.



60 REGISTERED DUROCS

50 Bred Gilts — 10 Fall Boars and Gilts

This great offering of gilts are bred to Western Star, a great son of Red Star, the 1,300-pound, twice Ohio champion and modern Duroc boar at the last Duroc Congress. This excellent offering of gilts are sired by many great boars. As I have bought many top gilts in the fall sales. Several are sired by Cois Model and Orion Cherry King bred boars. Durocs since 1900. Catalogs on request.

VERN V. ALBRECHT, Smith Center, Kan.

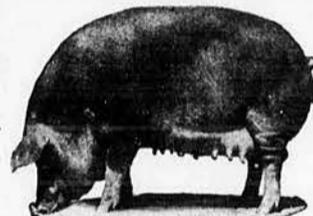
Bert Powell, Auctioneer

Kansas State Duroc Breeders Annual Sale

At the Marysville Sale Pavilion—1 P. M.

Marysville, Kan., Feb. 12

50 Head of selected Bred Gilts, from the leading Duroc breeders of Kansas. Also 10 Fall Boars of top breeding and good individuals. For information and catalog write



KENNETH E. MAKALOUS, Sales Manager, Marysville, Kan.
Bert Powell, Auctioneer
Mike Wilson for Kansas Farmer

Mid-Kansas Duroc Association SHOW and SALE

Kansas State Fairgrounds

Hutchinson, Kan., Jan. 27

50 Head of Selected Gilts and 5 Choice Fall Boars Sell

This is a top offering of noted herds and bloodlines. Make this sale a must. Remember time:

Show 10:30 A. M., Sale 1:00 P. M.

For catalog address

HERMAN POPP, Haven, Kan.

SPOTTED POLAND Bred Gilts and Fall Pigs

Choice quality and breeding ready for immediate shipment.

CARL BILLMAN, Holton, Kansas

DUROC BRED GILTS

Also Fall Boars selling privately this winter. Gilts by Topper and Kan Be, bred to Star King for March and April farrow. Husky Fall Pigs by Topper and Kan Be. HAVEN HOLLOW FARM, G. F. Germann & Son, Manhattan, Kan.

Wreath-Streeter DUROC SALE

at 1 P. M. at the Wreath Farm, 2 miles west of

Manhattan, Kan. February 8

40 Reg. Duroc Bred Gilts
A few registered Hereford Calves
Championship breeding plus individual excellence. For catalog write
WREATH FARM, Manhattan, Kan.
or CHARLES L. STREETER
Riley, Kan.
Bert Powell, Auctioneer.

BERGSTEN'S Improved Hampshires

Now offering outstanding Fall Boars. Immune and registered. New breeding for old customers.
R. E. BERGSTEN & SONS, Randolph, Kan.

ETHYLEDAL FARM PRODUCTION HAMPSHIRE

Bred and open gilts, same breeding as winners in Carcass Contest at American Royal. Established type. See them.
DALE SCHEEL, Emporia, Kan.

See What Landscaping Does!

For Sale: 15 Head of REG. HOLSTEIN HEIFERS

Ages from baby calves up to 18 months old. A few of these heifers are bred. Most of them are sired by our Maytag Fobes Fascinator bull, whose six nearest tested dams average 848 lbs. of fat in a year. He is a double grandson of Posch Ormsby Fobes. Also have a few choice bulls up to servicable age of this breeding.

HIGHER VIEW DAIRY FARM

Hays, Kansas

Farm located 4 miles north of Hays, on Highway 183.

The 3rd member of the Pabst's Holstein family at Sunnymede Farm, Topeka

Purchased at 1948 National Sale

PABST HICKORY CREEK ROAMER

Daughter of Pabst Roamer and Pabst Wayne Glenda, who is out of All American Jr. Yrlg. 1942 Pabst Barta Prilly Wayne. Hickory Creek is now bred to our Senior Sire Pabst Burke Lad Star. Sons of our "Burke" sires are available.

C. L. E. EDWARDS, Topeka, Kan.



WISCONSIN'S CHOICE HOLSTEIN CALVES

Fine selection of beautiful Wisconsin Holstein heifer and bull calves. Fifty on hand at all times. Registered. Well started. No milk required.

Send for Pictures and Price List.

J. M. McFARLAND & Son
Watertown, Wisconsin

SMOKY VALLEY HOLSTEINS

OFFERING HIGH PRODUCING COWS. Leading Bloodlines.

W. G. BIRCHER & SONS, Ellsworth, Kan.

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, LENO, KAN.

FOR SALE

ENTIRE AYRSHIRE HERD

WE OFFER 19 HEAD:
(12 Registered Ayrshires and 7 Holsteins.)
7 Registered Cows, 3 years old.

- 3 Registered Heifers, 2 years old.
- 2 Registered Yearling Heifers.

In addition to the 12 Registered Ayrshire cows and heifers just mentioned we offer 7 Grade Holsteins.

Inquire of
P. J. ISAAC
Meade, Kan.
Phone 18F12

AYRSHIRE DAIRY CATTLE

PERFECT UDDERS—IDEAL TYPE—BEST OF GRAZERS. Write for literature on names of breeders with heavy-producing 4% milk stock for sale.

AYRSHIRE BREEDERS' ASSN., 260 Center Street, Brandon, Vermont.

GUERNSEY BULL CALVES For Sale

One 6-months-old son of Langwater James. One to 2 months old grandson of Coronation Levity Prince. Write or visit.

DAN R. WOHLGEMUTH, Hillsboro, Kan.
Formerly Lyn-Lee Guernsey Farm

REGISTERED GUERNSEYS

Since 1906 High Production. Correct Type. Popular Bloodlines.

Ransom Farm, Homewood (Franklin Co.), Kan.

• AUCTIONEERS •

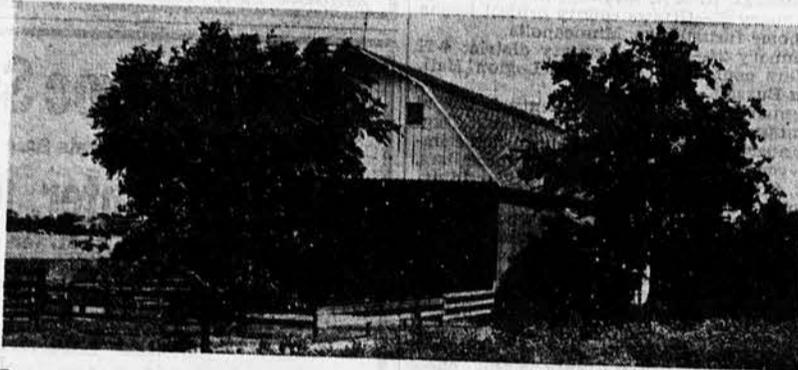


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Haven, Kansas

BERT POWELL
AUCTIONEER
LIVESTOCK AND REAL ESTATE
1529 Pines Avenue
Topeka, Kan.



Grass, shrubs and trees, properly placed around the farmstead can do wonders in setting off farm buildings to the best advantage. The A. R. Challenders, of Harvey county, have made this rambling farmhouse a beauty spot thru landscaping.



Trees and shrubs help the barn appearance, too, on the Challenger farm. This scene was taken from the driveway into the farmstead.

It's a Home-Grown Barn

Livestock Loading Chute Especially Handy



This large barn, 56 by 70 feet, on the John F. Wingrave farm, Woodson county, is made entirely of lumber cut on the farm. It has oak siding, asbestos-shingled roof, and laminated rafters in the center section.

WHEN his large barn was struck by lightning in 1944 and burned to the ground, John F. Wingrave, of Woodson county, knew what to do about it. He built a new one entirely of native lumber cut from his farm. Most of the barn is constructed of oak and the lumber was put in place while still somewhat green as it nails more easily, states Mr. Wingrave. Under this system, siding is placed as tight as possible and allowed to shrink while the barn is in use. Cracks later are covered with batting. The Wingrave barn has a concrete and rock foundation with a spread base 3 feet below ground level. It also has laminated rafters in the 2-story center section to make the roof self-supporting. "Laminated rafters are a big aid to baled hay storage," says Mr. Win-

grave, "because they eliminate support posts." The roof is covered with asbestos shingles.

"When we built this barn we really didn't have any choice about using native lumber," Mr. Wingrave recalls, "but we never have been sorry. Cost of the lumber cut and sawed was only \$18 a thousand.

Over-all dimensions of the Wingrave barn are 56 to 70 feet. The 2-story center section is 28 by 56 feet and is used exclusively for baled hay storage. The barn has a 1-story shed on 3 sides. This area is used for feeding and for grain storage.

Mr. Wingrave has a livestock loading chute arrangement that he likes very well. He built the chute at one of the outside corners of the barn, and the door opening out onto the chute also serves as one side of the barn, and the door opening into the barn and out thru the chute into trucks. It is so easy to use, several of Mr. Wingrave's neighbors bring their livestock to his barn for loading.

Fine Dairy Records

Some fine production records of Kansas Holstein-Friesian cows have been reported by the Herd Improvement Registry Department of The Holstein-Friesian Association of America. Duey Dale Marathon De Kol Fern-dell, owned by E. A. Dawdy, Salina,

had a record of 589 pounds butterfat, 15,739 pounds milk, 365 days, 2 milkings daily, 6 years, 4 months old; and Ormsby Lady Pontiac Fosch, 505 pounds of butterfat, 15,820 pounds milk, 329 days, 2 milkings daily, 10 years, 10 months old.

Saline Valley Lady Faith, owned by Wilson Brothers, Lincoln, had 525 pounds fat, 14,549 pounds milk, 320 days, 2 milkings, 4 years, 4 months old; and Supreme Bess, 518 pounds of fat, 12,474 pounds milk, 365 days, 2 milkings, 6 years, 10 months old.

Collins Farm Count Skylark, owned by Glenn A. Palmer, Topeka, had 430 pounds fat, 11,150 pounds milk, 321 days, 3 milkings, 4 years, 4 months old.

Stick to a Program

Stick to a definite summer-fallowing program. It pays. That is the contention of Jess Taylor, Greeley county. Last year he was tempted to let the volunteer wheat grow on his farm. Others did and in many cases took 20 and 25 bushels an acre off these fields. But Mr. Taylor stuck to his program and turned under several hundred acres of volunteer. The immediate result was that it cost him heavily last year. This year is another matter. He has good wheat on the ground that was fallow last year. And there was a marked difference between summer-fallow and continuous-cropped wheat this year. Where continuously cropped wheat made 12 and 15 bushels at the most, the other yielded up to 30 and 35 bushels.

In addition to sticking to his program of summer-fallow, he also sticks to a definite program of contour strip-cropping.

Under Cover

With more invested in his new Farm-all C tractor and his motorcar than in any other pieces of equipment on his farm, Irl Johnson, Cowley county, decided it would be wise to keep them under cover. That was sufficient reason for him to build a combination garage and shop where he keeps them both out of the weather. His tractor is one of the latest that has the built-in hydraulic equipment. He says it is a laborsaver and saves time, too.

Public Sales of Livestock

- Aberdeen-Angus Cattle**
- February 22—U. S. Center Aberdeen-Angus Breeders' Association, Smith Center, Kan.
 - February 24-25—Heart of America Breeders' Association, Kansas City, Mo. W. Clay Woods, Secretary, 912 Commerce Bldg., Kansas City, Mo.
 - February 26—L. M. Thornton, Garden City, Mo.
 - February 28—Johnston Brothers, Belton, Mo.
 - J. B. McCorkle, Sales Manager, Suite 3710 A. I. U. Bldg., Columbus 15, Ohio.
 - March 8—C. E. Reed, Wichita, Kan.
- Guernsey Cattle**
- May 2—Missouri Guernsey Breeders' Association, Columbia, Mo. H. A. Herman, Secretary, Eckles Hall, Columbia, Mo.
- Hereford Cattle**
- January 27—A. R. Schlickau & Sons and Oliver Brothers, Argonia, Kan.
 - February 26—C. K. Ranch, Brookville, Kan.
 - March 7—Marshall County Hereford Breeders, Marysville, Mo.
 - March 29—North Central Kansas Hereford Breeders, Belleville, Kan.
- Jersey Cattle**
- January 19—Joe Merino, Trenton, Mo. Donald Bowman, Sales Manager, Hamilton, Mo.
- Shorthorn Cattle**
- March 31—Mid-Kansas Shorthorn Breeders Sale, Salina, Kan. Mervin F. Aegerter, Sales Manager, Seward, Neb.
 - April 6—North Central Kansas Shorthorn Breeders sale, Beloit, Kan. Edwin Hedstrom, Secretary.
- Duroc Hogs**
- January 19—Joe Merino, Trenton, Mo. Donald Bowman, Sales Manager, Hamilton, Mo.
 - January 27—Mid-Kansas Duroc Breeders, State Fair Grounds, Hutchinson, Kan.
 - February 1—Earl Martin & Son, DeKalb, Kan. Sale in South St. Joseph, Mo.
 - February 3—C. M. Sheehy & Son, Richards, Mo.
 - February 4—Peppard Farms, Lawson, Mo.
 - February 7—Vern V. Albrecht, Smith Center, Kan.
 - February 8—Wreath Farm, Manhattan, Kan., and Charles L. Streeter, Riley, Kan. Sale at Manhattan, Kan.
 - February 12—Kansas State Sale, Marysville, Kan.
 - February 15—Dannen Mills Farms, St. Joseph, Mo. C. W. Glassell, Manager, St. Joseph, Mo.
 - February 21—Weldon Miller, Norcatur, Kan.
- Hampshire Hogs**
- February 26—O'Bryan Ranch, Hiattville, Kan.
- Hereford Hogs**
- February 18—Kansas State Sale, Holton, Kan. Milt Haag, Secretary, Holton, Kan.
- Poland China Hogs**
- February 11—Bauer Bros., Gladstone, Neb. Sale at Fairbury, Neb.
 - February 14—Kansas Poland China Breeders, St. Marys, Gordon McLinn, Sale Manager, Silver Lake, Kan.
- Spotted Poland China Hogs**
- February 14—H. E. Holliday & Son, Richland, Kan., and Clyde Miller, Rt. 2, Topeka, Kan. Sale at Fairgrounds, Topeka, Kan.
 - February 22—Kansas Spotted Poland China Breeders Sale, Marysville, Kan. Wayne L. Davis, Sale Manager, Mahaska, Kan.
- Hogs—Several Breeds**
- February 19—Clay County Hog Breeders, Clay Center, Kan.
- Sheep—All Breeds**
- June 24-25—Midwest Stud Ram Show and Sale, Sedalia, Mo. Rollo E. Singleton, Secretary, Columbia, Mo.

• AUCTIONEERS •



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

Beef CATTLE

Offering Polled Herefords



Several bull calves and several heifer calves coming one year old. All sired by W. Advance Domino 2nd, a son of Aster Advanced Bth. Priced reasonable. We invite your visits and inquiries. MARTIN I. SHIELDS and SONS, Lincolnville, Kan., near Highway 77 and 50N

REG. HEREFORDS

Bulls 10-24 months old; also a number of bred and open Heifers. Best of bloodlines. RAY RUSK & SON, Wellington, Kansas

REG. HEREFORD BULLS

Hazlett and WHR Breeding 2 big, rugged bulls from 12 to 14 months old. WAITE BROS., Winfield, Kansas

Reg. Hereford Bulls for Sale

We have 2 full brothers of the prize winning Walnut Hill Bonny, a 2-year-old and a yearling. Also some other bulls. Walnut Hill Hereford Ranch, Great Bend, Kan.

ABERDEEN-ANGUS BULL CALVES



sired by Applewood Bandolier 24th, 11 months of age and under. This is an exceptional well bred, well developed, smooth set of bulls that will go out and do the job for their new owners. Priced to sell. Write or see HAROLD LOGAN, Diller, Nebr.

LATZKE ANGUS FARM



Offering now good sons of Elleenmere 1004th and Hardwickmere 60th. We also have a few good bred cows to offer. Farm 9 miles south of Junction City on 77. OSCAR C. LATZKE, Junction City, Kan.

Growing in Popularity

Aberdeen-Angus are making steady progress. Meeting modern market demands for high quality beef production. Practical cattlemen quickly recognize this breed above all others. The Blacks excel in uniformity, hardiness, early maturity, high dressing percentages at mature weights, and are naturally hornless. Write for free literature. American Aberdeen-Angus Breeders' Association, Dept. KF, 7 Dexter Park Ave., Chicago 9, Ill.



Polled Shorthorns

Bull Calves, 6 to 16 months old. Nice reds and roans, sired by Alpine Charmer and Royal Robin. Bred right, priced right. Come and see them. Harry Bird & Sons, Albert, Kansas

POLLED SHORTHORN BULLS

Sixteen reds carry blood of Coronet's Master, Gloster Dale and Red Oak Sensation. MILLER STOCK FARMS, Mahaska, Kansas.

Dual-Purpose CATTLE



OFFERING MILKING SHORTHORNS

Six richly bred heifers. These heifers are bred to a top son of Griffarm Promoter for September calving. Also unrelated bull calves by Robin's Searchlight. Bull calves by Griffarm Promoter. LEO BREEDEN, Great Bend, Kan.

SPRING VALLEY MILKING SHORTHORNS

For Sale—Bulls of serviceable age out of cows classified Very Good and Good Plus and sired by Nauvoo Champion R. M. PAUL STUDDT, Ada, Kansas

MILKING SHORTHORN

Herd sire—Blue Jacket President, roan, RM, classified Very Good. Can't use him any longer. \$450 buys him this month. His "Get" have been popular winners at different shows. He is one of the few bulls in service sired by Dualyn President RM. HEIDERBRECHT BROS., Inman, Kan.

MILKING SHORTHORN BULLS

3 red, Reg. Bulls, 15 months old. Sired by a bull classified "Excellent" and out of R. M. dams. Also a few females, Elmer Knackstedt, Inman, Kan. 2 miles north, 1/4 west.

IN THE FIELD



Jesse R. Johnson, Topeka, Kansas, Livestock Editor

and MIKE WILSON, Livestock Fieldman, Muscotah, Kansas.

The B. K. HEREFORD RANCH, of Longford, sold 40 head of Hereford calves on December 16. John Ackerman, of Delphos, purchased the top-priced male of the auction for \$360. Bernard Clanton, Minneapolis, paid the top of \$220 for females sold. The general average was \$218.50 for the 40 head. Ross Schaulis, Clay Center, was the auctioneer.

LINCOLN COUNTY HEREFORD BREEDERS' ASSOCIATION offered 36 head of well-fitted Hereford cattle for sale on November 17, at Sylvan Grove. The 36 head sold stayed in Kansas, altho they were sold over a large territory. A top of \$730 was paid by J. H. Streit, Topton, for the top bull, consigned by Fred Sowers. George Murray, Jr., of Barnard, paid a top of \$425 for the top female, consigned by James F. Wright. A general average of \$366 was paid on the 36 lots consigned. Freddie Chandler was the auctioneer.

CARL MILLER, who for many years was one of the most prominent Hereford breeders in Kansas, dispersed his breeding herd at the St. Marys sale pavilion on January 6. The pavilion was packed with Hereford breeders and farmers from far and near, who had come to share in this good offering. Herman Koche, of Onaga, paid \$1,510 for T. S. Royal Rupert 13th, the top of the sale. William Gerhing, of Belvue, took the top female of the sale at \$535. The bull average was \$433 and \$333 was the average paid for females. Sixty-three head made a general average of \$349 a head.

GEO. D. CARPENTER & SON, of Clay Center, have one of the leading herds, both in breeding and accepted Berkshire type, to be found in the middle section of the entire country. Representatives of the herd have been winners in some of the leading shows of the territory. The Carpenter farm is situated and improved for the best results as to labor saving and general hog health. About a dozen sows and gilts have been bred for litters on the farm and a dozen more will be consigned to public sales to be held during the winter. The Carpenters are strong for the big uniform litter kind and no sow is ever taken out of production as long as she produces well on the farm; then her best gilt takes her place in the herd.

The SAM GIBBS HEREFORD production sale held at the Clay Center Sale Barn, January 8, made history for Clay county. For a number of years Mr. Gibbs has sold his offspring in auction sales at the age of one year or less. Again this year the offering was entirely made up of 1948 calves. William H. Snaveley, of Ames, paid \$900 for the top calf, a January 19 son of Rulling Son the 6th. Gordon Webster, of Brookville, paid \$525 for the top-selling female. The bulls averaged \$370, while the females made an average of \$304. The 29 head from the Gibbs herd made a general average of \$336 per head. This was the highest average that Mr. Gibbs has ever made in his annual production sale. And, so far as known, it is a record average of any Hereford calf sale held in Clay county. Many of the purchasers in the recent auction were breeders who have bought cattle from Mr. Gibbs in the past. Ross Schaulis was the auctioneer, assisted by press representatives.

ORVILLE CAMERON dairy cattle sale, Junction City, January 4, was well attended, altho it was one of the colder days of the winter. Rain the day before and a cold night preceding the sale did not add to the condition of the cattle selling.

Interest in this sale, as in other sales, was for fresh or near-fresh cows or heifers. There were not too many of these but bidders wanted them. Five head of this kind sold from \$300 to \$340. The top was for a Jersey cow just fresh, and she sold for \$340 to Tuttle Brothers, of Manhattan. Her heifer calf, a few days old, sold for \$38. Buyers came from a wide area but the buyer of the largest number was A. S. Feller, Clay Center. Two young Guernsey bulls were sold, one selling for \$205.

If this sale is an indication of the values to be paid during 1949, then dairy cattle will sell well. The auctioneers were Bert Powell, Topeka, and Francis Maloney, Junction City.

Tons of Green Manure

Sweet clover plowed under for green manure will rot pretty fast, says Warren Hasel, Neosho county. Plowed under for corn it will give no trouble at all during corn cultivating time, he says.

A year ago Mr. Hasel seeded sweet clover with 14 acres of oats. Last May the clover was ready to be turned under ahead of corn. It was just a little more than ready. The clover was as high as the tractor. He had to put on steel wheels to get sufficient footing to plow the crop down. But when it was time to cultivate corn, the sweet clover stems were well-rotted already. They caused no trouble at all.

Flood waters inundated the corn, some for several days. It hurt the crop, but it still averaged about 50 bushels.

In the Bag

I keep a clean feed bag in the kitchen closet to put jars in it as they are emptied and washed. When the bag is full it is taken to the attic or cellar and left just as it is until I am ready to use the jars again. By this method the jars are kept free from dust and are always ready to use.—Mrs. C. C.

NORTHEAST KANSAS HEREFORD BREEDERS' ASSN. SHOW & SALE

Fairgrounds

Topeka, Kan. --- February 5

Judging at 9:00 A. M. — Sale at 12:30



64 HEAD

41 Bulls--23 Females

Bulls mostly of breeding age. Females are bred and open heifers and three bred cows. Consigned from the following Kansas breeders.

CONSIGNORS:

Beeks Hereford Farm, Baldwin
Becker, E. G., Meriden
Belden, Wm., Horton
Booth, F. E., Wellsville
Bruns & Nelson, Riley
Cleland, F. W., & Son, Baldwin
Davis, Dr. C. G., Kansas City
Engler, Allen, Topeka
Gideon, Garland R., Paxico
Gideon, L. H., North Topeka
Hug, Frank, & Son, Scranton
Kansas State College, Manhattan
Kovar, Clyde, Rossville
Lawrence, F. H., Meriden

McKnight, James, Eskridge
Morrison, C. P., Meriden
Mulvane Farm, Rossville
Premier Farms, Wolcott
Rezac, E. W., Rossville
Sackett Herefords, Tonganoxi
Sanders, N. S., Miller
Sanders, R. R., Miller
Schuetz, Al J., Mercier
Shaner, Paul H., Topeka
Southard, J. M., Topeka
True, Wm., Paxico
Williams, Orion, Hoyt
Wiseman, Charles W., Topeka

For catalog write

NORTHEAST KANSAS-HEREFORD ASSOCIATION

E. G. Becker, Secretary, Meriden, Kan.

Guy Pettit, Auctioneer

Mike Wilson for Kansas Farmer

Lunch Served on Grounds

Kansas Hereford Hog Breeders' Association Sale

February 18 — Holton, Kansas

Ireland Sale Pavilion — 1 P. M.

40 Bred Gilts. Bred for spring farrow, carrying the service of some of the breeds most popular boars.
20 Open Gilts, sired by noted sires.
6 Fall Boars, some of herd boar material. You will find in the tabulations of this offering the blood of such great boars as Fashion Model. Prize Goods. Bright Model the junior champion boar at the 1947 Kansas State Fair. Also the blood of Riverside Chief. Anyone interested in top Hereford hogs should not fail to attend this sale. There will be a banquet on the night of February 17, at the Holton Hotel for breeders and those interested in Hereford hogs. For catalog and information write:



MILT HAAG, Sale Manager, Holton, Kan.

DON'T FORGET THE

THIRD ANNUAL HEREFORD SALE

Harper, Kan. — Thursday, January 27

1 P. M. at the Harper County Fairgrounds

50 Head of Choicely Bred Herefords

16 BULLS and 34 FEMALES—16 Bred Heifers—For catalogs write

ED OLIVIER, Harper, Kan. — OLIVIER BROTHERS, Danville, Kan.

A. R. SCHLICKAU & SONS, Haven and Argonia, Kan.

Mike Wilson for Kansas Farmer



JOE MERINO DISPERSAL

Sale held in tent on gravel road 12 miles Southwest of Trenton or 5 miles Northeast of Jamesport, Mo.

Machinery Sells 11 A.M.—Real Estate 1 P.M.



Trenton, Missouri — Wednesday, January 19

40 Head of Quality Reg. Jerseys

2 Young Herd Bulls, both sons of Thomas Royal Doughty owned by the Springfield, Mo., M. F. A. Breeding Assn., and a son of the \$15,000 Brampton Royal Maid's Basil. 19 Cows, 13 Heifers and 6 Young Bulls. Herd under D. H. L. A. test. Tested for Tb. and Bang's—individual health papers.

60 Head of Good Reg. Durocs

6 Sows, 17 Bred Gilts and 37 Fall Boars and Gilts. Best of bloodlines. Cholera immuned.

Special Attention

Two good fertile farms will sell at auction—150 acres and 206 acres. Also Farmall H Tractor and full line of machinery less than one year old.

For catalog and full particulars write

DONALD J. BOWMAN, Sales Manager, Hamilton, Mo.

Auctioneer: Bert Powell

"SPEEDY SPRAYER IS THE BUY!"

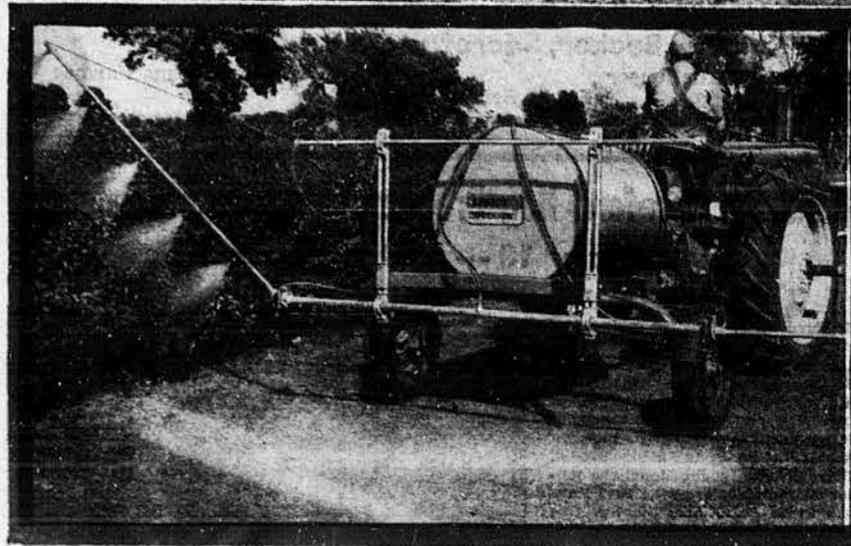
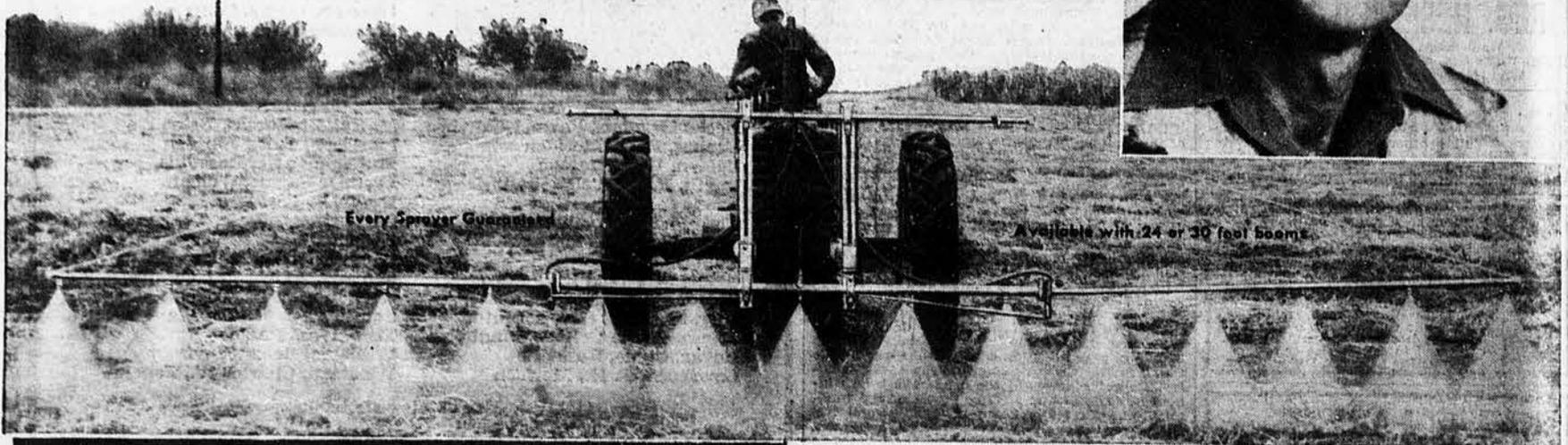
SAYS ARTHUR ALINK, BEAVER CREEK, MINNESOTA

"I'm certainly glad that I bought a SPEEDY SPRAYER," says Mr. Alink. "It does a top job of spraying and cost me less money than other sprayers."

"Most farmers today know that spraying to kill weeds and insects is a sound investment. Weeds can reduce crop yields a lot.

With my SPEEDY SPRAYER, I increased crop yields more than enough to cover the amount of money I spent for it.

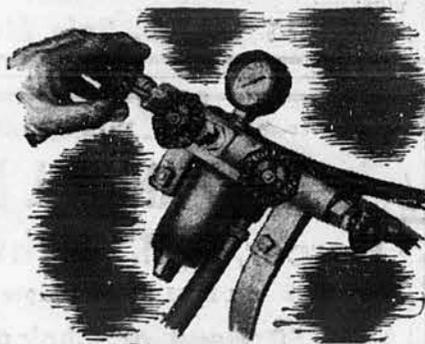
"In my opinion, every farmer should spray to kill weeds and insects. It is also my opinion that the SPEEDY SPRAYER is the best buy in the market today."



Trailer models also available with utility box, 210 gallon tank or attachments for two 55 gallon tanks.

EXCLUSIVE FINGERTIP CONTROL MANIFOLD SPEEDS UP SPRAYING OPERATION...

"Time saved is money in the pocket," says Mr. Alink. "With the new SPEEDY fingertip control I can control all sections of the spray booms by merely turning easy-to-reach handles—I don't even have to leave the seat of my tractor. No clogged or slow spray nozzles... scientifically designed filter is built into the manifold... easy to change or replace."



NO BENT or BROKEN BOOMS with the new 1949 SPEEDY SPRAYER EXCLUSIVE DOUBLE-ACTION HINGE

"One reason I bought a SPEEDY SPRAYER is because of the double-action hinges. When the spray booms on my SPEEDY hit stumps, rocks, etc., the double-action hinge lets the boom swing with the object, allows it to pass, then returns to normal position. The all-steel hinge construction assures trouble-free operation at all times."



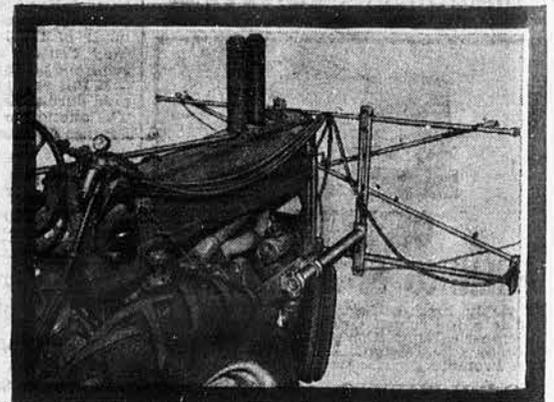
OPEN...
Balanced hinge bearings hold booms rigid when open... NO wobble or end play.



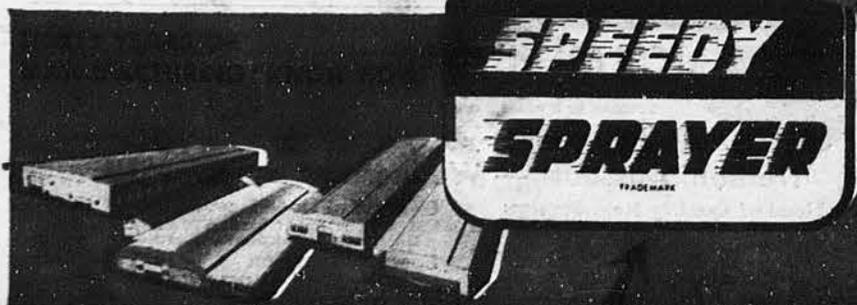
CLOSED...
In normal spraying position, spray booms remain rigid.

ATTACHMENTS FOR ANY TRACTOR

The 1949 SPEEDY SPRAYER fits all tractors. By simply attaching two adjustable frame mounts, inserting and tightening four bolts, your SPEEDY SPRAYER is ready to use.



SEND COUPON TODAY... for details, descriptive literature and complete information.



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