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# KANSAS FARMER

CONTINUING MAIL & BREEZE

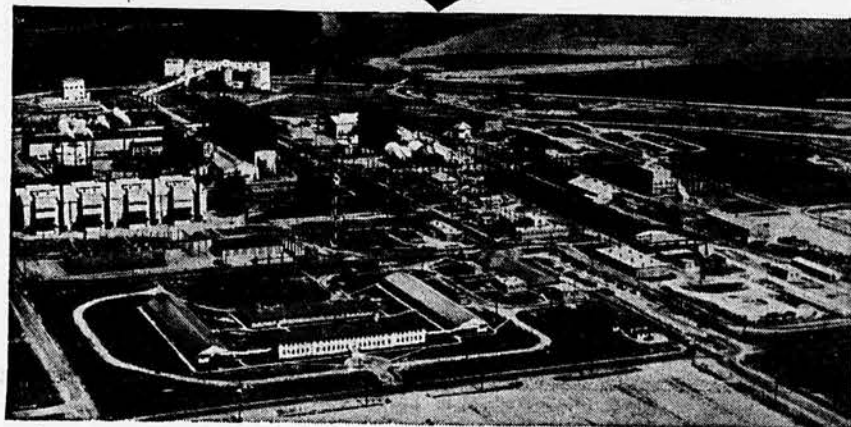
SEPTEMBER 6, 1947



We'll Be Seeing You---Kansas State Fair, Hutchinson, September 14-19



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## Handy Ideas

### Prevents Silage Freezing

To prevent silage from freezing against the silo doors put tar paper over the doors when filling the silo.—L. R. E.

### Handy Flashlight

When a coon or possum hides in a tree, an ordinary flashlight taped underneath the end of the gun barrel will provide light where it is needed.—R. E. L.

### Clean Salt Box

We use a square box for stock salt. With boards nailed along each side which protrude at each corner, the stock cannot easily tip the box.—L. R.

### Clean Garden Tools

I soak rusty garden tools in kerosene and then use a wire brush and an emery cloth on them to finish cleaning.—Mrs. J. H.

### Tape Adds Wear

I cut a few strips of wide adhesive tape and crisscross them on the underside of new table oilcloth where the corners of the table are likely to cause wear and cracks. This gives longer wear to oilcloth.—Mrs. Fred Fienup.

### Leather-Lined Pockets

To prevent pliers or other tools wearing holes in pockets of new overalls, I rip the pocket loose and sew in a piece of soft leather at the bottom of the pocket. Then sew the pocket on again. The leather-lined pocket will wear as long as the overalls.—Mrs. C. Craker.

### Paraffin for Vases

If a pottery vase should be porous enough to leak, try coating inside with paraffin. As cold water is always used for flowers, the paraffin will not melt. Of course, hot water should not be used when washing the vases.—Mrs. C. B.

### Handy Basket

For a large lawn, I find it handy to take an empty fruit basket along when mowing. All broken glass, cinders, twigs and such are placed in the basket, and when basket is too heavy for carrying easily I turn the mower free side up and put the loaded basket above the wheels and haul it to the trash pile.—Mrs. L.

### Leave No Marks

For shock absorbers on metal porch chairs cut 2-inch lengths from discarded garden hose and place split side up on the runners. They'll leave no rust marks or paint scrapings on the porch floor. Nor will they "walk" across the porch when in use.—F. W.

### Corn-Shucking Gloves

I sew pieces of overall material over fingers of gloves to be used for corn shucking, and gloves last about 3 times longer. I use twine to sew the "reinforcements" on, then cut to shape the fingers after sewing them.—Mrs. Fred Fienup.

### Good Strainer

Keep a piece of cheesecloth secured with a rubber band over the tin in which you store kitchen fats for waste. The strainer is always there and no washing is necessary.—Mrs. L.

### Handy Putty Knife

One of the handiest of kitchen tools is a cheap putty knife. It can be used for scraping inaccessible corners of woodwork and utensils. It is strong enough to use for prying jar or can covers, for lifting tacks and a hundred other jobs.—I. W. K.

### Three Good Ideas

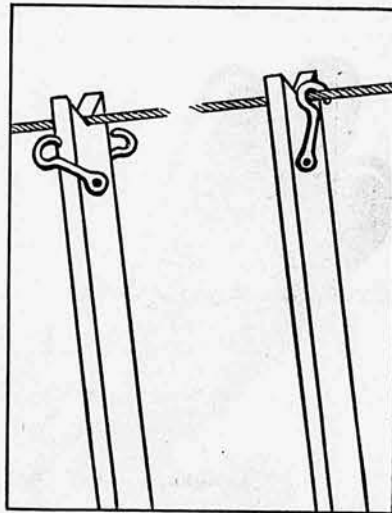
I wrap a piece of burlap or felt saturated with oil around the hay rope, making it bulky enough so that the pulley frame will squeeze oil out of it as it passes thru.

When I have to haul loads of hay or grain up a steep hill, I fasten a 4 by 4

so it will drag behind the wheels. When the horses rest the post will block the wheels, making it impossible for the wagon to run back.

I use a tire pump to clean out the drill when I want to change seed. The job is done quickly without having to take off all the spouts.—A. H.

### Holds Clothes Poles



A clothesline pole cannot fall over if fitted with two 2-inch oval brass hooks as shown. Facing in opposite directions, these hold the pole securely to the line.—E. R. G.

### Rainproof Address

Rub a bit of furniture wax on a soft cloth and pass it lightly over the writing on the package you must take out in the rain to mail. No matter how hard it rains, the address will not blur.—I. K.

### Washable Linings

Finish rough drawers on the inside by pasting oilcloth on the bottom and around the sides. It's always clean, as all it needs is a wiping with a damp cloth.—I. W. K.

### Pin in Cork

I keep the corks in novelty salt and pepper shakers from being pressed in too far by pushing a straight pin thru the cork crosswise of the opening.—Mrs. L.

### Hoe as a Guide

I have painted hoe handles and marked them at 12 inches, 18 inches, 2 feet and 3 feet. Then when planting garden I use the handle for a guide in marking off rows.—M. O.

### I Have Found That

A refrigerator bowl cover will protect the bicycle seat from the weather. A coarse chore boy makes a dandy holder for short-stemmed flowers.—Mrs. Paul Norris.

### Senator Capper on Radio

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

## KANSAS FARMER

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It's a Brand-New

# State Fair

By DICK MANN

**W**OULD you like to know in advance what you are going to see this year at the Kansas State Fair, Hutchinson, September 14 to 19?

Nearly everyone wishes, sometime, to step behind the scenes for a few hours and watch preparations for this gigantic agricultural show. We did just that on July 30 of this year. Now we want to take you with us on a preview tour of the fair and tell you what we saw and heard.

With genial Sam Mitchell, the fair secretary, we inspected the remodeling going on over in the 4-H exhibit building. And, believe me, you are going to be surprised when you see it. Even after we describe it here you are not going to believe it.

Everything in that building you saw last year has been torn out and the whole interior is being remodeled. "We never have been able to properly show 4-H Club clothing exhibits," remarked Mr. Mitchell, "but we're going to from now on."

Those were no idle words. When you step into the building you will think you have wandered into a modern city department store. Along the walls will be sleek, ultra-modern display rooms made of pressed wood and trimmed with aluminum strips. The rooms are designed with windows and you will feel as if you are looking at displays in a big city store.

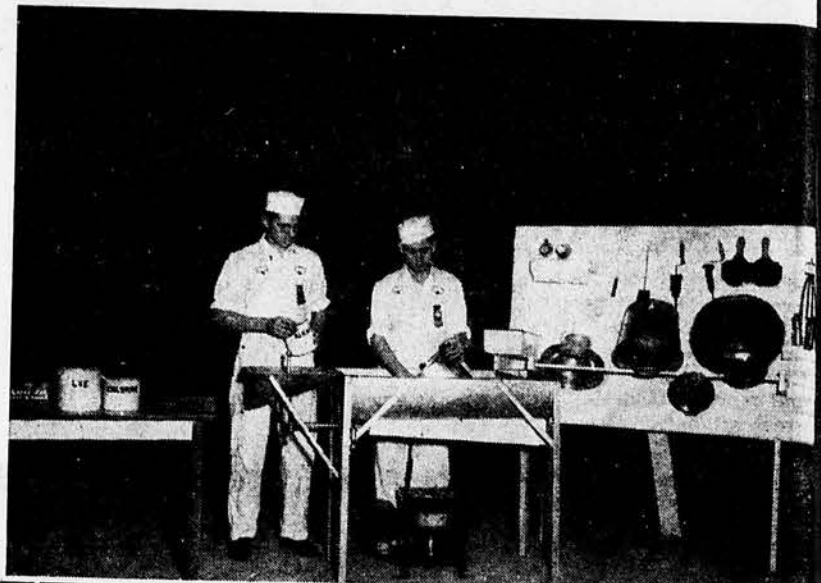
Clothing will not be hung on racks or displayed in old showcases as in the past. They will be draped on store models, donated by downtown merchants in Hutchinson. Professional window dressers from the stores will prepare the displays for your education and enjoyment. Everything will be displayed in a modern merchandising method just as if it were being offered for sale.

At the west end of the building the old demonstration stage has been torn out. Remember how you had to wait between demonstrations while the stage was set for the next one? That won't happen any more. The new stage, as modern as tomorrow, has a double set. While a demonstration is in progress on one set, another demonstration will be getting prepared behind a curtain on the other set. It will be ready to go the minute the first one is finished. This means a continuous performance for all demonstrations.

Interiors of most of the buildings will be done by a professional interior decorator this year. All the old, bare spaces will be covered and every building will be really beautiful.

Next to the 4-H Club exhibit building, the biggest change will be found under the grandstand. One big center section has been completely remodeled and redecorated with pressed wood of attractive designs. Here will be grouped for your convenience all of the home appliance displays. You won't have to tramp all over the place to compare radio models or some

[Continued on Page 33]



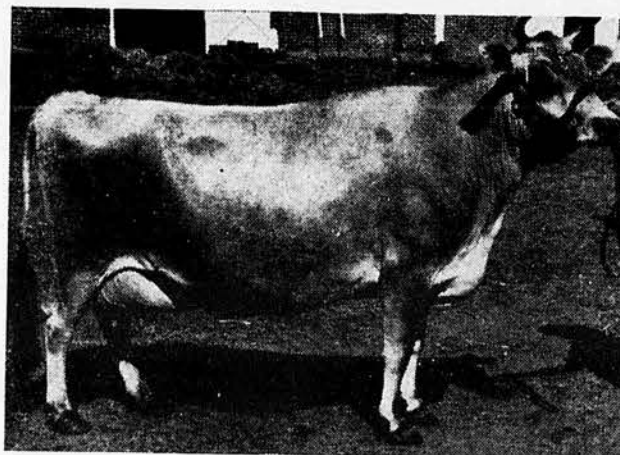
More than 120 demonstration teams will "show their stuff" at the State Fair. Championship teams will be picked to represent Kansas in the national contests.



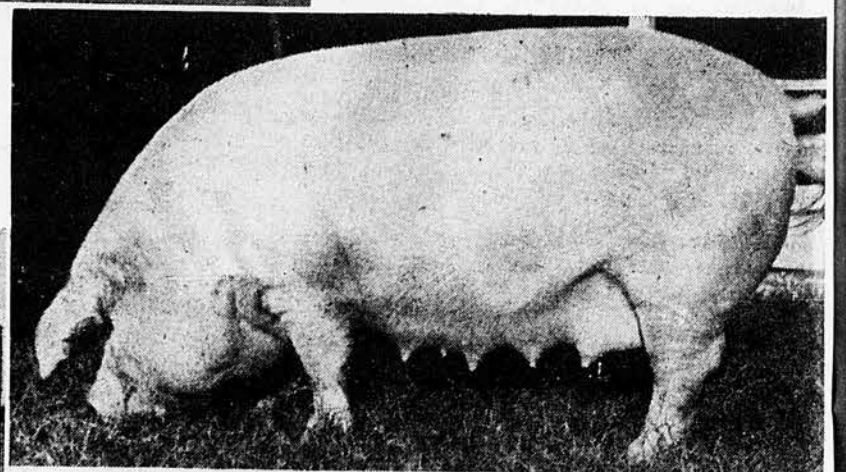
F. F. A. and 4-H Club boys and girls will continue their rivalry in the show ring at the Kansas State Fair. Both groups will hold annual encampments at the fair.



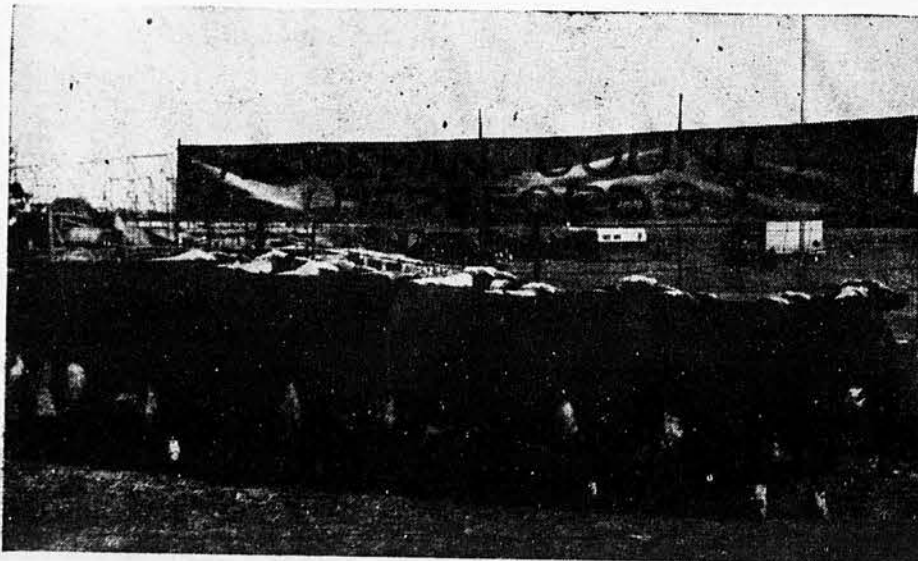
The domestic science department will have new quarters this year and all new display booths. The best loaf of home-baked bread will bring a free trip to Chicago for the woman who exhibits it.



Dairy judging at the State Fair will be moved to a large tent this year to relieve congested conditions. Competition will be keen in all breeds.



The usual large number of hogs in all breeds will be on hand. A state sale will be held by the Kansas Hampshire Association on Tuesday at the fair.



Seven large tents will be required to hold the overflow of cattle at the State Fair. County herds like this one will again compete.



# Farm Matters

## AS I SEE THEM

I AM glad to be home again for a while. And hope that I will be able to visit personally with as many of you as possible before I return to Washington.

The date of return is rather uncertain just at present. Unless the foreign situation requires earlier and more immediate action, Congress will not meet again until January. An earlier session is possible, however. All sorts of demands are being made by nations and peoples overseas. The demands are so large that it will require Congressional action to meet them. Whether the urgency is such that action will have to be taken before winter; whether so serious they will have to be met in full or in large part, is under study by the Administration and by special Congressional committees and delegations at this time.

Even if a special session is not called, there is the possibility that the Senate Foreign Relations committee, of which I have been a member for a quarter of a century, may be called back in the late fall for hearings on whatever proposals the Administration is prepared to make.

As I have mentioned before, and attempted to emphasize in the Kansas Farmer of July 19, the huge exports of foodstuffs for Europe are being paid for largely with American dollars. This particularly is true of wheat. When the flow of American dollars—provided by the American taxpayers—ceases or decreases measurably, the export of foodstuffs will slow down correspondingly.

As early as last March, following the message from President Truman requesting \$400,000,000 for economic and military assistance for Greece and Turkey, I estimated that Europe's demands would approximate \$25,000,000,000 to \$30,000,000,000 over 4 or 5 years. My latest information, unofficial but from what I might call official sources, is that Europe wants \$30,000,000,000 from the United States over a 4-year period.

A rough-hand estimate is that the United States may scale this down to between \$15,000,000,000 and \$20,000,000,000—maybe.

Latest from President Truman is that his Administration right now cannot determine the total cost of future foreign aid.

One has to bear in mind that Latin America and the Orient are watching the flow of American dollars to Europe with keen interest—with hands outstretched, palm up would be a better description, perhaps—and are preparing pleas against racial or continental discrimination.

Just for your information, U. S. cash dollars extended to foreign nations the past fiscal year totaled \$5,359,000,000. This figure included World Bank loans for the fiscal year, which ended June 30. According to the United States News—which presents generally a pretty reliable summation of Washington thinking and planning, the so-called Marshall proposal "is not likely to involve more" than that amount per year. It may be that imports into the United States (and tourist spendings abroad) during this fiscal year will amount to \$5,000,000,000 or so.

In other words, the rest of the world—largely Europe in this instance—may reasonably be expected to have some 11 billion American dollars for the fiscal year. In view of this, I feel sometimes that the "dollar famine" complained of by the rest of the world may be partly for bargaining purposes. Offset to this statement is that at present the United States is the only outside source for industrial goods and foodstuffs for many parts of the world.

I have set forth the foregoing picture because I believe Kansas farmers are entitled to the best information available on world trade conditions. Continuation of market demands for American wheat and other foodstuffs is based for the near future upon these conditions.

Britain and other European nations—and the Latin American nations, also—are shutting down forcibly on imports into their countries of American industrial and some farm products, such as tobacco in the case of Britain. They are trying to limit imports to essentials, such as foodstuffs, coal, steel, and so forth.

Taking into consideration also the short corn crop in the United States this year; the lowered production of wheat in Canada; Australia's drastic transportation shortage, food prices in the United States are likely to be very high for some time to come. But the high prices cannot continue forever, barring a dollar inflation that we must do everything in our power to avoid. My previous advice still holds—pay off your debts while farm prices and incomes are high. The pendulum is bound to swing the other way in time.

### Money Well Spent

I THINK one of the best investments Uncle Sam ever made is in research—agricultural research. Your tax money is paying for it, but I am confident this whole country is getting its money's worth. As we look around our farms we find many instances in which agriculture has been helped.

Authorities tell us control of hog cholera research cost about \$50,000. That is a lot of money. But they also show it has been returning dividends on that investment for nearly 40 years at from 10 million to 15 million dollars a year.

Perhaps there is grasshopper trouble in Kansas this fall. It is estimated in the 10 years, 1936-45, these pests destroyed crops valued at 400 million dollars. But during those same years, Federal and state co-operative control measures saved crops worth 600 million dollars at a cost of less than 25 million dollars. Measures for controlling grasshoppers came out of research.

The corn crop always is a subject of considerable interest. We are told on good authority that hybrid corn research covering 30 years cost the Federal Government—meaning the taxpayers—5 million dollars, and the states about the same amount. But last year alone the Nation collected a dividend of at least 750 million dollars. And the knowledge gained in research will pay a dividend every year from here on out. Or, no doubt, additional discoveries will increase that dividend.

Production from dairy cows has been improved. With cows on test, butterfat has been increased from an average of 215 pounds 40 years ago to around 339 pounds to the cow for a million cows in dairy herd improvement associations. At an average price of 50 cents, this increase of 124 million pounds of butterfat yearly adds more than 60 million dollars to the income of dairymen. Now, better breeding and care on the part of farmers have been tremendously important in this increase. And, of course, in putting all agricultural research information to good use. But I know you join me in congratulating our scientists on the progress they have made.

Because of research, either publicly financed or paid by private industry, we have better poultry buildings, improved machinery, efficient tractors, trucks and cars; higher-quality poultry, fruits, grasses, grain crops. There is improvement over years ago in almost everything we see around us

—and doubtless this will continue. It is a great age.

Now, there is another angle to the picture. Research that goes on virtually day and night with farm crops affects us all just as much—thru our income; thru the demand for farm crops. I am not one to say that use of crops in industry will solve all surplus problems. I think we must make balanced farming and balanced marketing handle the big end of that job. However, every time a new use is found for a farm crop we all are that much better off.

Right now I have in mind the research going on at the four regional laboratories which Congress authorized back in 1938. They were set up to work out new uses for raw materials from our farms. There is an encouraging report on what has been accomplished in the Yearbook of Agriculture 1943-47 recently published by the Department of Agriculture.

This report shows that one laboratory is hunting new uses for corn, wheat and the less important cereal crops, soybeans and other oilseed crops, and crop residues such as straw, stalks, corn cobs and hulls. I think good progress is being made—worthwhile progress. Two processes, for example, have been developed for producing starch from wheat and wheat flour. "Conversion of the wheat starch commercially produced by these processes into glucose sirup and dextrose sugar provided millions of pounds of sweeteners." That might help, if and when, wheat surpluses show up again.

From corn comes a product known as zein which may be used in the production of an industrial fiber; it also has found wide industrial use in shellac, printing inks and adhesives. Soybeans, of course, are yielding a rubber substitute and a very long list of other products. Milk is being converted into a rubber-like material, and bristles for paintbrushes.

I think it very interesting that some 200,000 tons of corn cobs were put to profitable uses during the war. The yearbook reports that one laboratory discovered a method for cleaning carbon and oil deposits from airplane engines with ground corn cobs in an air blast. To supply industrial needs about 50 grinding plants were established to produce cob products; only one existed before the war. A survey made in 1943 showed that about 16 million tons of cobs are produced annually. If they can be turned into a profit, that certainly will pay for a good deal of research.

Our research men never are satisfied. They will go on and on looking for new uses for farm products. Success to them—it means a great deal to all of us. They are tackling the field of vegetable wastes. This yearbook reports that vegetables are important but wasteful. Some 20 odd kinds are commonly grown. Returns from them to growers add up to about 300 million dollars a year. But our research men tell us not more than 20 to 30 per cent of the crop is eaten. What to do with the leftovers is the problem. I think it will be solved.

*Arthur Capper*

Topeka, Kan.

## More Wheat in '48?

Food Demand and High Price Challenge to Farmers

By ED RUPP

THERE is a story making the rounds. One Kansas farmer asked another why he was not going to town to attend a crops meeting, where better farming methods would be emphasized. The second farmer answered with a question, "Why should I when I'm not farming as well now as I know how?"

The story illustrates a problem faced today by Kansas wheat farmers. The world needs more food. And just when Kansas has completed a record-breaking wheat harvest, more than 294 million bushels, the Federal Government

asks for an increased wheat acreage.

The U. S. D. A. goal for Kansas wheat last year was 13,500,000 acres. Revised figures on actual seeding were above that, 15,277,000 acres. The goal this year is even higher. The suggested acreage from Washington is 14,250,000 acres. And indications are that Kansas farmers will meet that goal, probably surpass it.

Many farmers had more wheat acres for harvest this year than they would have ordinarily. But more wheat is requested and the present price is a stimulant.

Where do we stand on summer fallow? L. M. Knight, Manhattan, executive assistant to the state director, PMA, says summer-fallow acreage had been approximately 3,000,000 acres.

But a year ago payments were made on 2½ million acres. He guessed that payments could easily drop down to 2 million from there. The reduction was caused by both extra seeding of wheat and harvesting of volunteer this summer.

Then there is another factor to consider. There are reports that large acreages of sod have been broken out for wheat, to cash in on the high price while it lasts. There are no official surveys available as yet, but estimates run up to half a million acres for this

(Continued on Page 37)





### Keep Your Corn Crop Off the Ground!

Use "Noursite" Picker Roll Compound for better picking and cleaner husking. Don't blame your corn picker. Those dry husks will make the best roller slick and cause part of your crop to fall to the ground. Put your corn crop in the crib.

Noursite is economical—light applications to both picking and husking rollers several times a day will keep your pickers on the job 100%. Use it sparingly for best results—a little goes a long way.

Save every ear . . . order a supply of Noursite Picker Roll Compound from your Nourse dealer today.

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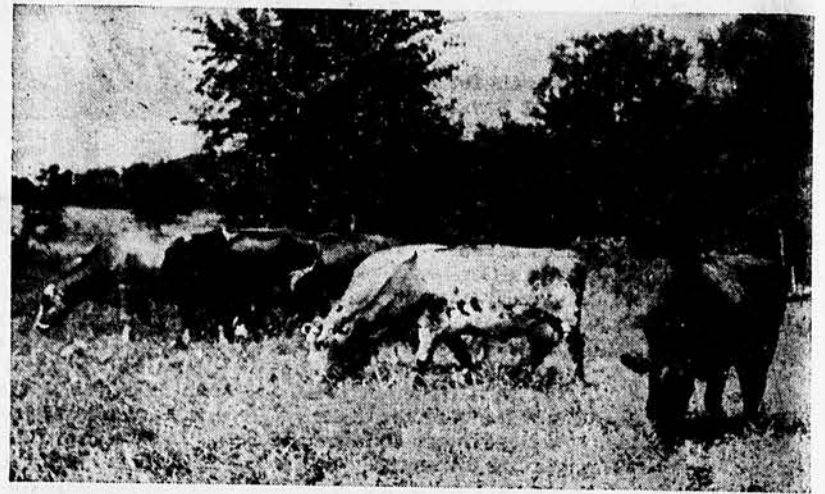
**"Business is Good!"**

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are cordially invited  
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**KRAUSE ONE-WAY PLOW**  
**EXHIBIT at the**  
**Kansas State Fair**  
**Hutchinson, September 14 to 19**

Plan to visit the Krause factory in Hutchinson. Transportation arrangements can be made at the Krause booth

**KRAUSE**  
PLOW CORPORATION  
HUTCHINSON, KANSAS

## Proper Farm Lease Helps Soil Program



Cattle owned by Claude E. Wilson, Neosho county, enjoying lespedeza on worn-out cropland retired to pasture. A complete renovating job on this farm is being done jointly by tenant and landlord.

**I**F EVERY farm tenant in Kansas could have a landlord like Byrd Clark, of Erie, tenant farming would be a pleasure and soil fertility would be in safe hands.

Mr. Clark bought a 160-acre Neosho county farm 5 years ago and inherited his present tenant, Claude E. Wilson. The 2 men are operating on a 3-year lease basis and now are on their second lease agreement.

The entire farm was in very poor shape with one 40 "a wreck," as Mr. Clark describes it. The first agreement made by the new landlord was in regard to this 40. He promised to furnish the seed if Mr. Wilson would seed it down to lespedeza and redtop, which the tenant did gladly. This 40, with a newly constructed pond in it, now is a fine pasture.

All of the farm has been limed and from 200 to 400 pounds of 30 per cent phosphate is applied with all crops. A sweet clover rotation is well under way and the tenant is permitted to capitalize on the crop by pasturing it free of rent. The seed on the second-year crop is shared with two thirds going to the tenant and only one third to the landowner. Balbo rye is used as temporary pasture to give the native grass a rest. The tenant buys all feed shares of the owner to feed his livestock.

The farm is being terraced and the farmstead also has been improved. Two rooms were added to the original tenant house and electricity is being installed by the landlord. An old barn was completely remodeled out of native lumber cut by the tenant on the farm and milled by the landlord. A manure loader was added to the farm equipment and all manure now goes back on the soil.

Has it paid the landlord to do all this? Here is what Mr. Clark says: "That farm has shown some profit every year. I don't want to make it all in one year. I would like to build it up to a point where I could expect a reasonable profit every year over a long period of time."

The tenant, Mr. Wilson, hopes the farm eventually will support 40 head of cattle. He is putting up a new silo and has sowed 18 acres of sorgho and Virginia beans together for silage. "I could have had a longer lease than 3 years," he says, "but I believe we

will both be more on our toes if we have to renew it every 3 years."

Another improvement being made by the 2 men is grubbing hedge. They grubbed out 45 rods of hedge in one place and 75 rods in another so they could join fields and put in terraces.

### Need Tough Plants

I notice J. S. Brazelton stated in *Kansas Farmer* that most all tomato plants set out in his territory around Troy, come from Southern states. Why is that? Can't those tomato plants be produced in Kansas?—J. K. M.

There are several reasons why growers here prefer the Southern-grown plants. These plants, of course, are field-grown and that makes them more rugged and able to stand transplanting better. The hothouse or hothed plants just can't take it when they are set out in the fields. They are weak and spindly while the shipped-in plants are stalky and in many cases already carry the first cluster of blossoms. The home-grown plants cost more than the field-grown plants. This is obvious for they are more costly to produce. In an effort to harden them off before the final setting in the field they are often transplanted several times either into cold frames or flats or paper pots. Each time they are reset adds to the cost of the plants.—J. S. B.

### Pays From Start

Corn planted last year on the contour produced one third higher yield than formerly, reports H. D. Hunt, of Republic county. For this reason Mr. Hunt believes conservation farming pays right from the start. Slopes on the Hunt farm run to 4 and 5 per cent. These fields had suffered considerably from sheet erosion and gullying.

Now Mr. Hunt has a complete soil-conservation plan. He has begun management of crop residues, seeding of grassed waterways in preparation for terraces, inclusion of alfalfa in the crop rotation, improved pasture management, and protection of his trees.

He plans to seed to permanent pasture some land that should be retired, will construct terraces, use stubble-mulch tillage on cropland, and establish a rotation grazing system.

## See It at the State Fair



**NEW AT THE FAIR:** For the first time, Kansas State Fair visitors will see this Massey-Harris self-propelled corn picker. The manufacturer points out that it is ideal for contour work.



# for the Time of Your Life!

## September 14-19 KANSAS STATE FAIR Hutchinson

A huge, glittering show window of the abundant resources of the great state of Kansas. Products of Kansas farms, and flocks, of Kansas mills, dairies, and other industries. The handiwork of Kansas artists and artisans, homemakers and husbandmen.

See the acres of farm and industrial machinery and equipment. Huge exhibit barns filled with the finest of beef and dairy cattle, horses, mules, sheep, and swine from our great American farms.

But it's more than that. The Kansas State Fair is Kansas' greatest picnic ground and amusement park—nearly 200 acres equipped with every facility for a good time, and for your education and inspiration.

It's Kansas' own State Fair, owned by the people of Kansas and operated for the benefit of Kansans.

### ADMISSION PRICES

General admission to outside gates, 50c (tax included). Children under 12 years free. No admission charge for automobiles and free supervised parking inside the fairgrounds.

*The Greatest Spectacle!*  
*The Grandest Holiday of 1947!*

### Day by Day Program

#### Saturday, September 13

- 6:00 p. m. Grand Preview Opening of the Kansas State Fair. Independent Midway. Outside gates free to all. Rides galore. A night of fun at your Official State Fair.
- 8:00 p. m. Jimmy Lynch and his Death Dodgers, thrill show in front of the Grandstand.

#### Sunday, September 14 OPENING DAY

- 8:00 a. m. Official opening of Kansas State Fair. Exhibit Buildings open.
- 2:00 p. m. Championship Automobile Races on Half-Mile Track.
- 6:00 p. m. Official opening of State 4-H Club encampment.
- 8:00 p. m. Spectacular night stage show in front of the Grandstand, "State Fair Revue of 1947."

#### Monday, September 15 SCHOOL DAY

- 8:00 a. m. Outside gates free to all children.
- 9:00 a. m. Judging starts in all livestock departments.
- 9:30 a. m. Livestock selection. Vocational Agriculture, F. F. A. chapters.
- 10:30 a. m. Special program for school children at Grandstand.
- 1:30 p. m. Thrilling motorcycle races. National championship events.
- 2:30 p. m. State sheep-shearing contest.
- 8:00 p. m. "State Fair Revue of 1947." High School bands.

#### Tuesday, September 16 LIVESTOCK EXHIBITORS DAY

- 8:00 a. m. Judging of 4-H Style Revue and Best Groomed Boy Contest. 4-H team demonstrations and contests.
- 1:30 p. m. Championship automobile races.
- 7:30 p. m. 4-H Club parade at Grandstand.
- 8:00 p. m. "State Fair Revue of 1947." High School bands.

#### Wednesday, September 17

##### KANSAS MASTER FARMERS AND FARM HOMEMAKERS DAY

- 10:00 a. m. Annual reunion of Master Farmers and Farm Homemakers. Banquet in evening. Kansas Dairymen's Judging Contest, state championship. (Sponsored by Kansas Farmer.)
- 1:30 p. m. Jimmy Lynch and his Death Dodgers, thrill show program in front of Grandstand.
- 2:30 p. m. Public Style Dress Revue, 4-H Club style queens and best groomed boys. State champion awards.
- 7:30 p. m. Parade of prize-winning livestock, in front of Grandstand.
- 8:00 p. m. "State Fair Revue of 1947."
- 10:00 p. m. Pepsi Cola fireworks display in front of Grandstand. High School bands.

#### Thursday, September 18 GOVERNOR'S DAY

- Visit to the State Fair by Governor Frank Carlson.
- State 4-H Clubs judging team contests.
- 10:00 a. m. Livestock Hall of Champions.
- 1:30 p. m. Automobile races.
- 4:00 p. m. State Who's Who 4-H Club ceremony.
- 8:00 p. m. "State Fair Revue of 1947." High School bands.

#### Friday, September 19 WHEAT FESTIVAL DAY

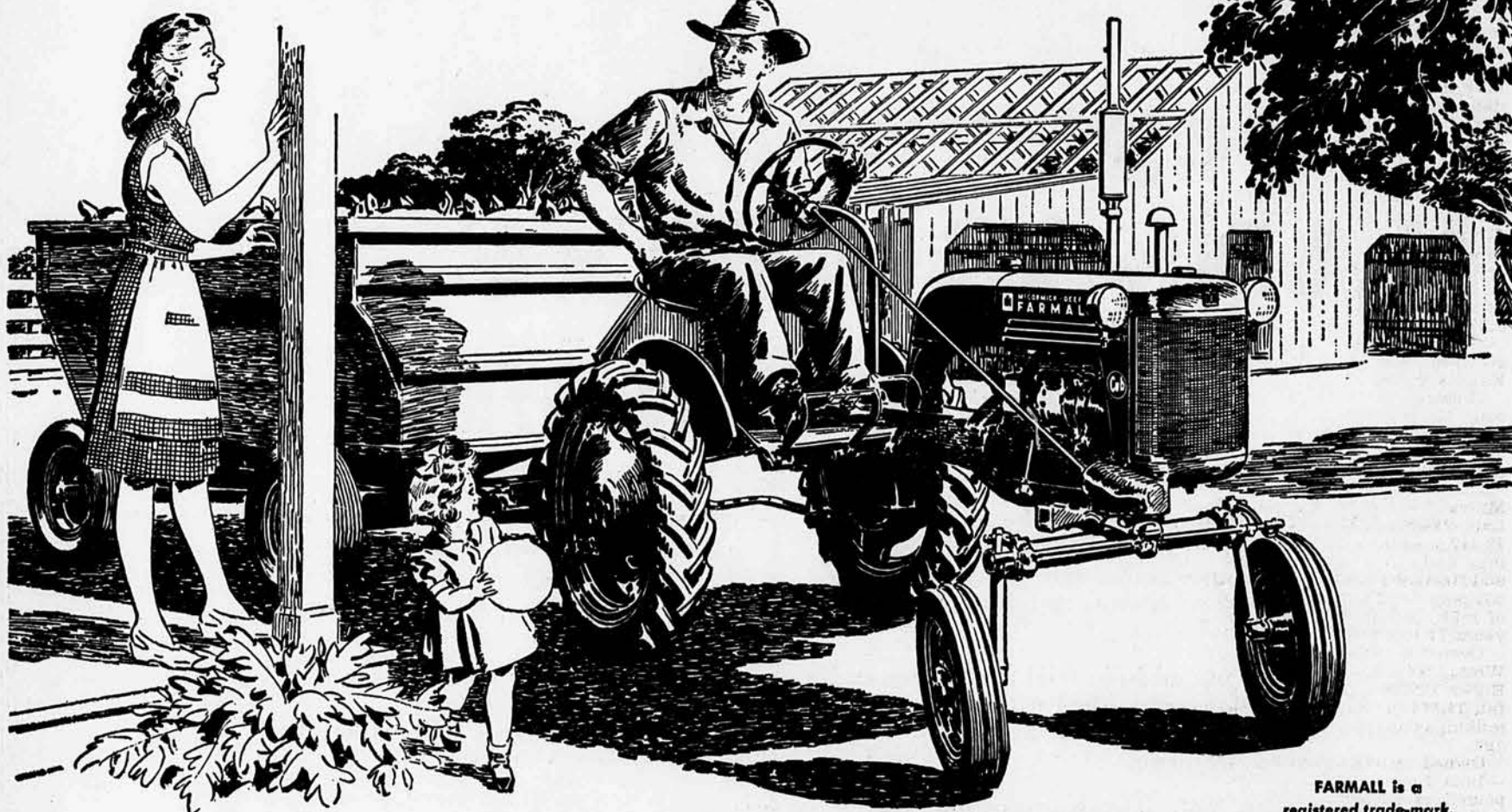
##### Awards of Cups and Trophies to Champions

- 1:30 p. m. Championship automobile races.
- 2:30 p. m. State Sheep-Shearing Contest finals.
- 7:30 p. m. Crowning of State Wheat King and Queen in front of Grandstand.
- 8:00 p. m. Finale performance of "State Fair Revue of 1947."
- 10:00 p. m. Spectacular fireworks display. High School bands.

For the Holiday of a Lifetime COME TO THE FAIR!



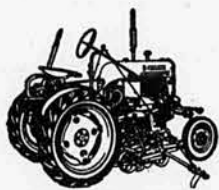
# NEW DAY ON THE FARM



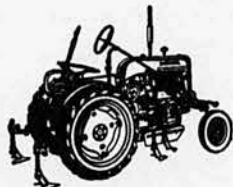
FARMALL is a  
registered trade-mark.  
ONLY International Harvester  
builds FARMALL Tractors.



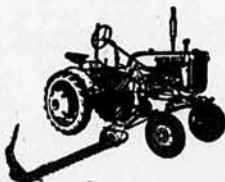
Four types of plows



Meets every planting need



Cultivators for every crop



Mower cuts 4½-ft. swath

## FARMALL *CUB* IS HERE

### with Matched Cub Equipment!

*Faster, easier work—all-purpose capacity and economy*—that's what the new Farmall Cub brings to the small farms and truck gardens of America!



With a full line of matched, specially-designed implements . . . with such features as the Universal Mounting Frame and Master Control . . . the Farmall Cub is *just right* for those crop acres that are now without effective, efficient power.

There are four types of power in the Farmall Cub: power to *push* forward-mounted implements or *pull* those attached to the drawbar . . . to operate machines through the *power take-off* or belted up to the *pulley*.

Put the Farmall Cub to work and say good-bye to the slow, tiresome work you walked through before. The Cub's riding comfort, ease of handling and finger-tip controls really bring a "new day" to the small farm. The precision-built 4-cylinder engine, with 3 forward speeds and variable-speed governor, gives you top performance.

#### ...AND LOOK AT THE PRICE!

**\$545**

f. o. b. factory. Farmall Cub tractor equipped as shown above, slightly higher. Attachments and implements extra.

INTERNATIONAL HARVESTER COMPANY  
180 North Michigan Avenue Chicago 1, Illinois

See the Farmall Cub at your International Dealer's

INTERNATIONAL



HARVESTER



## Kansas Dairy Herds Make Outstanding Records

SEVERAL Kansas dairy herds have made outstanding records during the past year of production testing.

Four Holstein-Friesian herds received recognition. The 20-cow herd of John & George Heersche, Mulvane, averaged 453 pounds of butterfat and 13,593 pounds of milk in 304 days on 2 milkings daily. The 15-cow herd of Henry Topliff & Son, Formoso, averaged 397 pounds of fat and 12,347 pounds of milk in 305 days on 2 milkings daily. St. Joseph's Orphans' Home, Abilene, had 35 cows averaging 396 pounds of fat and 11,169 pounds of milk in 295 days on 2 and 3 milkings daily. Eugene R. Smith & J. M. White, Topeka, had 22 cows averaging 391 pounds of fat and 11,408 pounds of milk in 311 days on 2 milkings daily.

A herd of registered Jerseys owned by John Weir, Jr., Geuda Springs, completed a year's test with an average of 428 pounds of fat and 8,681 pounds of milk for 13 cows. The registered Jersey herd owned by W. C. Isern and A. C. Knop, Ellinwood, had an average production of 437 pounds of fat and 8,295 pounds of milk for 27 cows.

Here are some of the records on outstanding individual dairy animals in Kansas herds:

**Holstein:** Owned by Herman Torkelson, Everest—T T Bessie Princess 2282748, 604 pounds of butterfat, 15,961 pounds of milk, 323 days, 2 milkings daily, 4 years 4 months of age.

Owned by John & George Heersche, Mulvane—H R W Maggie Netherland Lane 2248625, 551 pounds of butterfat, 18,442 pounds of milk, 333 days, 2 milkings daily, 5 years 8 months of age; and Heersche Commander Flo 2384712, 551 pounds of butterfat, 16,546 pounds of milk, 365 days, 2 milkings daily, 2 years 11 months of age.

Owned by Eugene R. Smith & J. M. White, Topeka—Nemaha Rose Ann Burke 1992069, 529 pounds of butterfat, 14,344 pounds of milk, 347 days, 2 milkings daily, 8 years 1 month of age.

Owned by Wilson Brothers, Lincoln—Inka Imperial Ormsby 2355168, 524 pounds of butterfat, 15,253 pounds of milk, 365 days, 2 milkings daily, 9 years 1 month of age.

Owned by Eugene R. Smith & J. M. White, Topeka—Piebe Maplewood King 2551964, 468 pounds of butterfat, 11,881 pounds of milk, 329 days, 2 milkings daily, 4 years 6 months of age; Ann Burke Dictator 2551969, 426 pounds of butterfat, 10,480 pounds of milk, 309 days, 2 milkings daily, 3 years of age; and Oklahoma Piebe Pontiac Bridget 1719171, 402 pounds of butterfat, 11,680 pounds of milk, 303

days, 2 milkings daily, 13 years 2 months of age.

Owned by St. Joseph's Orphans' Home, Abilene—Mt. Joseph Geneva 2477838, 461 pounds of butterfat, 13,064 pounds of milk, 330 days, 3 milkings daily, 2 years 3 months of age; Sand Spring Sylvia Lucy 2231609, 460 pounds of butterfat, 13,668 pounds of milk, 264 days, 2 milkings daily, 5 years 2 months of age; and Mt. Joseph Ruby Bess 2513257, 456 pounds of butterfat, 12,569 pounds of milk, 364 days, 2 milkings daily, 2 years of age.

Owned by Leo H. Hostetler, Harper—Leohost Design Jolly Prissy 2354023, 458 pounds of butterfat, 12,182 pounds of milk, 365 days, 2 milkings daily, 2 years 4 months of age.

Owned by Wilbur C. Sloan, Cleveland—Leohost Design Fayne Olga 2233759, 416 pounds of butterfat, 12,523 pounds of milk, 321 days, 2 milkings daily, 4 years 3 months of age.

**Jerseys:** Owned by Ray E. Smith, Hutchinson—Standard Dorothy Fern 1156394, listed as a Tested Dam having 3 offspring with official production records. Dorothy Fern's tested progeny, with all records computed to a 305-day twice daily milking mature basis, averaged 8,183 pounds milk, 5.62 per cent test, and 460 pounds butterfat.

Owned by Kansas State College, Manhattan—Wilma's Design Raleigh 368323, listed as a Superior Sire having 10 daughters tested for production with a lactation average of 8,587 pounds milk and 478 pounds butterfat. He also has 21 daughters classified for type with an average rating of 82.26 per cent. His own classification is very good.

### Beekeepers Elect

The Kansas State Beekeepers Association re-elected O. A. Keene, of Topeka, as state president during the 47th annual convention at Iola, August 10. W. N. Cline, Fredonia, was re-elected secretary-treasurer. Next year's convention will be at Tonganoxie.

Glen Jones, Atlantic, Iowa, secretary of the National Association of Beekeepers, discussed various honey plants and use of 2,4-D and DDT. Mr. Jones pointed out that putting these chemicals on flowers not only would kill bees, but that improper use also will kill soil-building legumes.

### Mechanical Egg Grader

An experimental mechanical egg candler and grader, the first in history, has been developed by Dr. A. L. Romanoff, of Cornell University.

The machine measures relative ability of the eggs, when placed in a coil, to conduct electric current on radio frequency. Conductivity of the egg varies with different qualities of eggs, thus providing a means of grading eggs mechanically.

### Doubles Grass Yield

A 3½-acre alfalfa-brome grass pasture at Kansas State College furnished 360 dairy cow days of grazing this spring after being fertilized with 150 pounds of ammonium nitrate an acre.

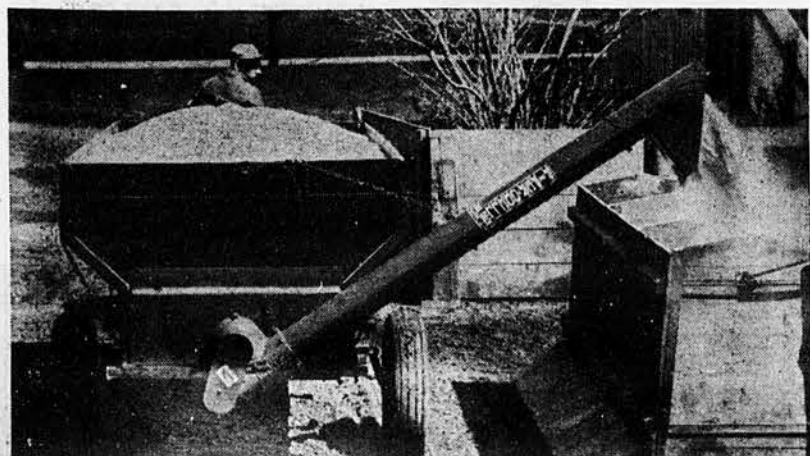
A 4½-acre field unfertilized pasture yielded only 240 cow days of grazing. Nitrate fertilizer application nearly doubled the yield of grass.

### We Are Sorry

When the Ralston Purina double page advertisement appeared in the August 16 issue of Kansas Farmer listing the company's dealers in Kansas, the name of Andrew Johnson, the company's dealer at Independence was inadvertently omitted.

Kansas Farmer regrets this mistake. His name certainly will appear in the next advertisement if dealers are listed.

### See It at the State Fair



NEW AT THE FAIR: The Piper-Odell unloader, new power take-off unit that fits any 38-inch wagon box.

# Buy Ferguson! WHY?

**B**uilt right

**U**sed right

**Y**ou profit

**F**ield proven

**E**asy operation

**R**ead on-the-job performance

**G**uaranteed quality

**U**niversal acceptance

**S**ervice plus

**O**wner recommended

**N**ow it's up to you

## Some of our Ferguson Implements

Moldboard Plows

Two-Way Plows

Single Disc Harrows

Tandem Disc Harrows

Spring Tooth Harrows

Offset Harrows

Tillers

Cultivators

Corn Pickers

Combines

Feed Grinders

Power Saws

Terracers

Flat Land Planters

Lister Planters

Weeders

Grain Drills

Mowers

Rotary Hoes

Accessories

See the Ferguson Display at  
**KANSAS STATE FAIR, Hutchinson, Kansas**  
**KANSAS FREE FAIR, Topeka, Kansas**

Contact your Ferguson dealer or contact us

**C & D TRACTOR & EQUIPMENT CO.**

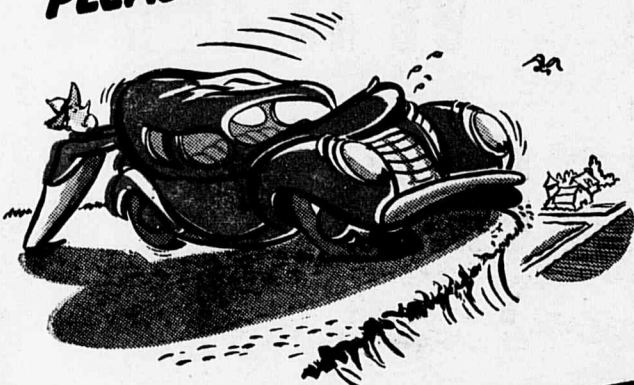
Pratt & Whitney Plant

P. O. Box 7071

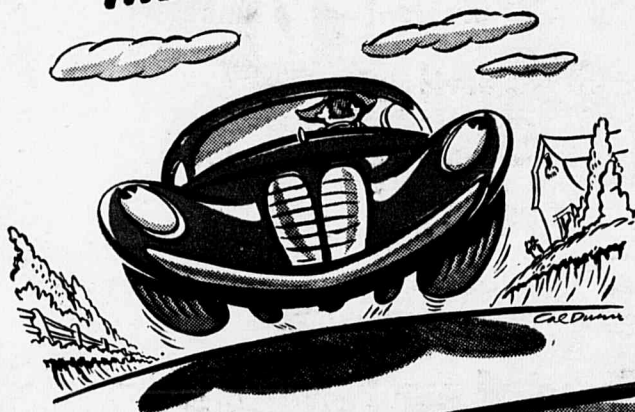
Kansas City 2, Missouri



**HOLD IT, MISTER,  
PLEASE DON'T SHOVE IT**



**TRY THIS TREATMENT,  
THEN YOU'LL LOVE IT...**



## install **PERFECT CIRCLE** PISTON RINGS

A WEARY, BALKY ENGINE can tempt you to shove the whole car off the cliff. Don't do it.

**PERFECT CIRCLE PISTON RINGS** have been helping farmers get new car efficiency from old car engines for years. They can help you, too. In cars, tractors, trucks and stationary installations . . . Perfect Circle Piston Rings insure good performance, real economy. They're available at any automotive dealer, implement dealer or garage.

**YOUR DOCTOR OF MOTORS**, that expert mechanic whose business it is to keep engines running right, will install the rings for you if you prefer. He knows Perfect Circles—and recommends them highly.

Perfect Circle Corporation, Hagerstown, Indiana, U. S. A.  
and The Perfect Circle Company, Ltd., Toronto, Ont., Canada.



The PERFECT way to restore power . . . save gas . . . save oil

## Give Fertilizer a Chance

Field Tests Show Bigger Yields in Eastern Kansas



Clarence Hollingsworth, Bourbon county extension agent, standing between rows of fertilized and unfertilized corn on the Eph Kepley farm. Corn on the left was fertilized at seeding time with 100 pounds each of 20 per cent phosphate, 20 per cent nitrate and 20 per cent potash an acre. That on the right was unfertilized.

**F**ARMERS in eastern Kansas are getting increasing results with commercial fertilizers. Most of them are closely watching the various fertilizer tests conducted by the Kansas State College extension service. Many others, like Reece Singmaster, of Bourbon county, are proving the worth of fertilizers in actual "on the farm" experiments on field-size tests.

Mr. Singmaster ran field tests this year on both oats and wheat, using 50 pounds an acre of 65 per cent superphosphate on wheat and 60 pounds an acre of 65 per cent superphosphate on oats-lespedeza. The fertilizer was put on with a fertilizer drill.

Test strips one drill row wide were left in both fields. At harvest time these untreated test strips were combined carefully so the yields could be compared accurately with the treated crops. "The fertilized oats yielded slightly more than double those untreated," says Mr. Singmaster. "Also, fertilized oats stood up better and were easier to harvest. Increased wheat yields were not quite so startling but were consistent on 2 different fields where I made the tests. On one field the fertilized wheat made better than 30 bushels an acre compared to slightly more than 22 bushels for unfertilized. On the other field the difference was an even 3 bushels an acre."

Further tests were made on corn this year by Mr. Singmaster. He drilled 50 pounds of 2-12-6 in the corn rows at seeding time. When he examined his cornfields about July 15, the corn that was fertilized appeared to be 10 days to 2 weeks more mature than unfertilized test strips seeded the same day.

On the farm of Eph Kepley, in Bourbon county, we saw results of field comparisons on corn that had received 100 pounds an acre each of 20 per cent phosphate, 20 per cent nitrate and 20 per cent potash at planting time with corn that was untreated. The fertilized corn was better than head high while the unfertilized corn was slightly more than waist high. Similar differences in

growth and maturity were noticed in comparing plots receiving 200 pounds each of the same mixture with corn that was untreated.

Ralph Mount, of Miami county, has established 4 waterways for terrace outlets by seeding them to a mixture of brome, redtop and alfalfa. To insure a good stand and quick growth he fertilized them with 500 pounds an acre of 6-12-0 and used heavy applications of manure. Seeded last year, all 4 waterways now have a heavy growth of grass and are ready so he can go ahead with his terracing program.

Last fall, John Sevy, manager of Somerset Farm, in Miami county, seeded about 24 acres to a brome-alfalfa mixture, using 180 pounds of 4-16-0 fertilizer at time of seeding. This summer he got 1,030 bales of hay off 19 acres the first cutting and later harvested a seed crop he estimates at 200 to 250 pounds an acre.

Alfred Knoche, of Miami county, reports that his native pasture this summer was greatly improved by a spring application of 50 pounds of 65 per cent phosphate an acre.

Another Miami county farmer, Homer Everhart, made 2 field tests on corn this year. Part of his corn was fertilized with 4-16-0 and part with 16-20-0 at the rate of 100 pounds an acre at seeding time. Both fertilized tests were showing definite improvement over unfertilized corn late in July with 16-20-0 giving the greatest boost.

On wheat last fall, Mr. Everhart used 125 pounds of 20 per cent phosphate at seeding time. Then, in April, he top dressed part of the field with 100 pounds of ammonium nitrate an acre. The entire field averaged 32 bushels an acre on previously poor upland. "My top-dressed strip made at least 40 to 44 bushels an acre," says Mr. Everhart.

Mr. Everhart has a 6-year-old stand of alfalfa that still is producing 3 to 4 tons of hay an acre because of fertilizing. Every February he top dresses the stand with 250 pounds of 20 per cent phosphate.



Excellent grassed waterways were secured in one year on the farm of Ralph Mount, Miami county, by fertilizing with 500 pounds of 6-12-0 an acre. Shown examining the stand of brome-redtop-alfalfa are Mr. Mount, left, and Sam Hertha, work unit conservationist for Miami county.



# Simple Arithmetic Proves the Extra Profits to be Made from Planting **PIONEER** Hybrid Seed Corn

Based on present conditions—every indication points towards high commercial corn prices throughout next year.

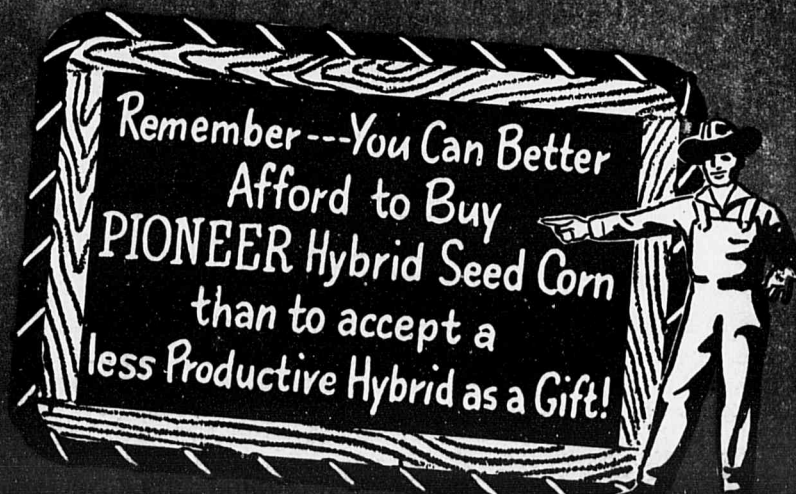
Simple arithmetic will prove that the higher commercial corn prices become — the more important it is to plant only the finest hybrid — PIONEER.

Every extra bushel of corn you can raise next year is going to increase your profits. That's why next year—is the year to plant PIONEER

—the Hybrid with the PROVED PERFORMANCE record — the Hybrid that year-after-year has produced BIGGER YIELDS—that has made GREATER PROFITS for those who grew it.

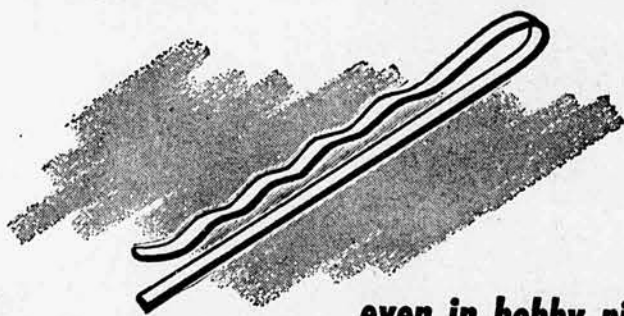
Based on current corn prices—it actually only takes an increased yield of one bushel per acre to pay the entire seed cost of planting the very best in hybrid seed corn—PIONEER. Remember—a hybrid “almost as good” as PIONEER —would be expensive to plant as a gift.

**GARST & THOMAS**  
Hybrid Corn Company  
COON RAPIDS, IOWA





# STEEL IS CHEAP!



even in bobby pins

... AT \$6400.00 PER TON

Across the 5 & 10 counter, steel bobby pins cost only a dime for 30—cheap, aren't they, considering the service they perform?

Just one small way in which steel serves humanity. Steel is usually sold by the ton. On the tonnage basis, those bobby pins cost you \$6,400.00, but who wants a ton of bobby pins? But the wire from which those bobby pins were made can be bought from the steel mill for only \$190 a ton. Without that wire, bobby pins would be unobtainable at any price.

This illustrates in a striking manner the small amount which the cost of steel plays in the ultimate cost of steel products. Any increases that have occurred in the price received by the steel producers are not important from an inflationary standpoint. **Steel IS cheap.**

The average price of steel as obtained by the mills is a little over 3c per pound—about \$60 per ton (based on weighted production of 9 major steel mill items, representing a substantial percentage of steel production in the United States.) Including the recently announced increases, steel has advanced only about 1/2c per pound over the last ten years.

**SHEFFIELD STEEL CORPORATION**  
HOUSTON KANSAS CITY TULSA

Carbon & Alloy Steel, Ingots, Blooms, Welded Wire Mesh, Wire Products,  
Billets, Plates, Sheets, Merchant Wire Rods, Fence, Spring Wire,  
Bars, Steel Joists, Structural Nails, Rivets, Grinding Media,  
Shapes, Road Guard Forgings, Track Spikes,  
Reinforcing Bars Bolt & Nut Products

**SHEFFIELD STEEL**

SALES OFFICES: Chicago, Ill.; St. Louis, Mo.; Des Moines, Ia.; Wichita, Kans.;  
Denver, Colo.; Oklahoma City, Okla.; Dallas, Tex.;  
San Antonio, Tex.; New Orleans, La.

## Brings Farm Back With Legume Rotation

**L**EGUMES will bring the farm back. At least Norris Nelson, McPherson county, is pinning his hopes on alfalfa and sweet clover to do the job. They are being used to build up the soil and at the same time to supply feed for his 20-cow grade-A dairy.

He farms a half section near the county seat. The location is ideal. But the farm had been "wheated out," Mr. Nelson says, and he looks on his legume-dairy program as the best way to bring it back.

Using approximately 25 acres of sweet clover a year, he hopes to cover one quarter section in 6 years. On the other quarter he already has covered 40 acres in 4 years with alfalfa and sweet clover. After getting all the way around, he will be ready to start over.

He reaped the first results of his soil-building program this summer. He plowed under 8 acres of alfalfa last fall and seeded to Boone oats in spring. He harvested 570 bushels by measure for an average of 71 bushels an acre. By weight it would have been 82 or 83 bushels. And that was from ground that had produced too many successive wheat crops for its own good. It is ready now for wheat harvest next summer.

Then, he has another 25-acre patch that goes to wheat this fall. It was seeded to sweet clover last fall strictly for soil building. But he took off a seed crop this summer. Instead of plowing this clover ground, he planned to run over it twice with a 1-way disk. Disking rather than plowing will decrease the rate of nitrification. There will be less chance of burning the succeeding wheat crop. How much this fall-seeded clover did for the soil remains to be

seen. But, in the meantime, it has produced other income for him.

Out of 17 acres of sweet clover he harvested this summer, Mr. Nelson estimated a return of 3,000 pounds of seed. Then there is the return from grazing, too. And that cuts quite a figure. Here is the way he accounted for one 11-acre patch: It carried 20 head of cattle for 6 weeks last fall, and part of the time 40 head. In spring it was good for 4 more weeks of grazing for 20 head of cattle. On the basis of his milk checks, Mr. Nelson says that clover was worth \$40 an acre in fall and added another \$20 an acre for the spring pasture.

He gets another return out of clover. Silage. Last spring he put 15 acres of new alfalfa and 7 acres of sweet clover in his 160-ton silo. It didn't fill it, but he estimated it produced between 120 and 130 tons of valuable feed. The sweet clover alone was good for 10 tons an acre.

On alfalfa, his rotation plans call for a limit of 4 or 5 years. After that he will plow it under and have a new stand in another part of the farm. He recalls that a few years ago he had to wait as long as 2 years after seeding alfalfa before he could harvest a worthwhile hay crop. But it is different now. Before seeding he applies 2 tons of lime an acre. Then he fertilizes with 50 pounds of 45 per cent superphosphate an acre. Fall-seeded alfalfa produces big hay crops the following year with that help. Hay and silage this year were from a new stand.

His systematic plan of legume rotations is feeding both his soil and dairy herd. As Mr. Nelson puts it, "It's the only way this farm will work."

## Good Turn Backfired, But in His Favor

**A**N ATTEMPTED good turn that backfired put Ivan Green, of Neosho county, in the dairy business back in 1941. Now, he and his father, C. E. Green, have a herd of 20 registered Guernseys.

It all started when Ivan attempted to help the county dairy-calf project. As a favor he went out and purchased 3 registered Guernsey calves for local 4-H Club projects. The boys for whom the calves had been purchased thought the prices he had paid were too high so Mr. Green was left with 3 dairy calves on his hands.

Nothing better could have happened to him, he says now. Those 3 calves all turned out to be good milkers. As a 4-year-old, one of the cows made 8,600 pounds of milk and 471 pounds of fat on a 305-day lactation. The second gave 9,600 pounds of milk and 430 pounds of fat and the third produced 7,760 pounds of milk and 399 pounds of fat.

The first 3 calves out of the best cow were heifers. The first daughter of this cow made 360 pounds of fat at the first lactation, the second daughter made 381 pounds of fat on her first lactation and the third daughter, now on test, is doing about as well.

The Greens have been more than fortunate in the quality of bulls used in the herd. The first year the herd was on test 10 cows averaged 301 pounds of butterfat, the second year 320 pounds, the third year 336 pounds, fourth year 357 pounds, last year 365 pounds, and this year will crowd 400 pounds. It isn't often that a herd will show such a con-

sistent increase. The herd average last year was above 7,000 pounds of milk and 365 pounds of butterfat.

This year there are four 2-year-olds in the herd. The rest of the 12 milking, except for the 3 foundation cows, are 3-year-olds.

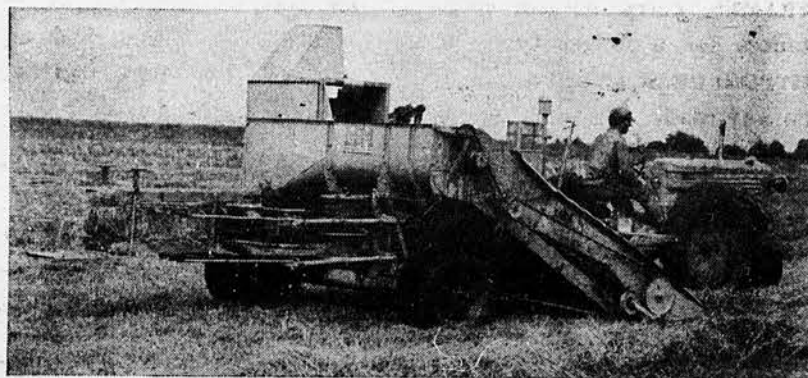
First bull used by the Greens was Meadow Lodge Kings Gladiator, a son of Langwater King of the Meads and out of a Bournedale Rex daughter. The sire of their second bull, Meadow Lodge Traveler, was a three-quarter brother of the first bull. Traveler's dam was Meadow Lodge Triket, which had a record of 579 pounds of fat as a 2-year-old on 3 times milking. Her milk production as a 2-year-old was 11,022 pounds.

Junior herd sire on the Green farm now is St. Albans Grandee V Lad, sired by McDonald Farm's Grandee and out of St. Albans Valiant Margaret. His dam had a record of 12,246 pounds of milk and 544 pounds of fat as a 2-year-old on 3 times milking.

Daughters of the Green bulls have done well, too. A 2-year-old daughter of Meadow Lodge Kings Gladiator sold for \$500 at the state sale last year. She was junior champion of the SEK Guernsey Show in 1945 and first prize 2-year-old in 1946. The oldest daughter of Meadow Lodge Traveler sold for \$350 in the state sale as a bred heifer and was second-prize junior yearling in the 1946 SEK show.

These are just a few of the things that will give you an idea why Mr. Green isn't mad about having to keep those three 4-H Club heifers.

## See It at the State Fair



**NEW AT THE FAIR:** This new M-M Bale-O-Matic is going to be shown at Hutchinson. It is a machine that picks up, slices and ties the bales with 2 steel wires with one man in control.

## CARBOLA-DDT

Disinfecting White Paint

### IT'S MORE THAN ORDINARY DDT

It's a Disinfectant, DDT and White Paint all in one

Why spend money and labor on two separate, troublesome, expensive jobs when Carbola-DDT

### DOES THREE NECESSARY JOBS

more completely, and with longer lasting effectiveness, in

### ONE EASY LOWER COST OPERATION

(1) KILLS FLIES (2) KILLS DISEASE GERMS (3) GIVES WHITE WALLS

Kills spiders, 90% less cobwebs for 8 to 10 months.

Better barn sanitation; lower bacteria . . . Fewer poultry losses.

Hardware, Feed, Seed, Drug, Farm Stores—1 lb. 25¢, 5 lb. 75¢, 10 lb. \$1.25, 25 lb. \$2.75, 50 lb. \$4.85. Prices slightly higher in Rockies & S.W.

Write for Handy FREE Egg Record Chart.

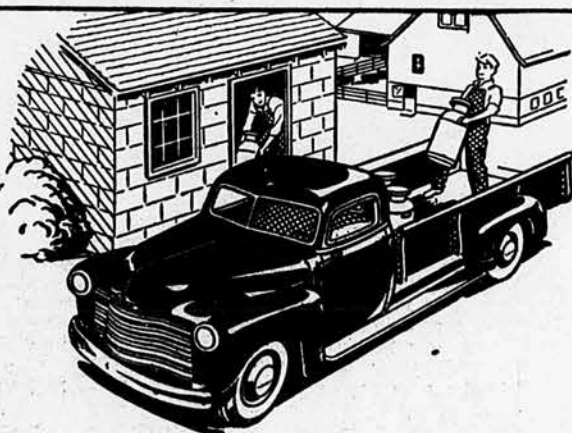
**CARBOLA CHEMICAL CO., Inc.** Natural Bridge 125, N.Y.  
Established 1916



# New Advance-Design Chevrolet Trucks with the Cab that "Breathes"



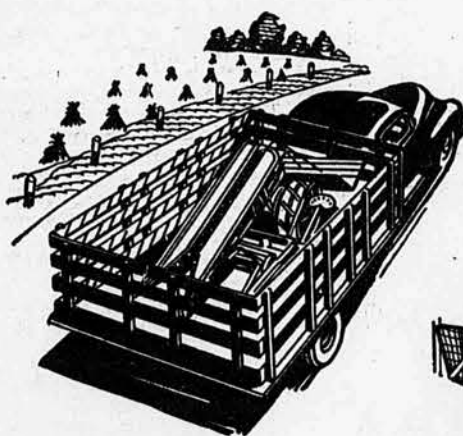
Wider, deeper WINDSHIELD and larger WINDOWS increase visibility by 22%. DRIVER'S COMPARTMENT is wider and deeper, with more leg room. Seats are now fully adjustable, bigger and more comfortable.



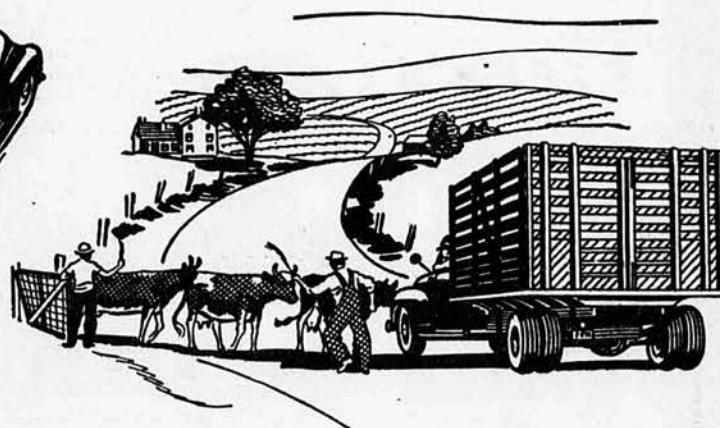
Chevrolet's unique new CAB THAT "BREATHES" almost literally "inhales" fresh air—"exhales" used air. A constant stream of fresh air is *drawn in* from the outside—heated in cold weather—and used air is *forced out*.\* Cab is FLEXI-MOUNTED, rubber-cushioned against road shocks, torsion and vibration. . . . See these new Advance-Design Chevrolet trucks at your dealer's.



Chevrolet trucks, with stronger, sturdier FRAMES, carry greater loads greater distances for a longer time. FULL-FLOATING HYPOID REAR AXLES are geared for the load on *any* road.



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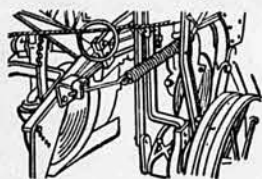


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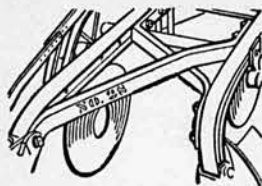




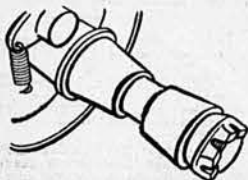
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## Revamps Hill Farm For Higher Production



Kermit Roth, Wabaunsee county, stands in a small field of improved switch grass he raised for seed. It is recommended in some localities for waterway planting.

THIS is strictly a hill farm," Kermit Roth reminds you. "I have it under control now with a complete system of seeded terraces. My next step is to build up the soil for higher production."

While telling this he drives over his farm in his car from one end to the other, getting off brome grass only long enough to cross a township road. He can do it because his terraces are all seeded to brome. In addition a few small corners of cropland that would be inconvenient to work are seeded to brome.

These seeded terraces make the land much easier to work, Mr. Roth says. Besides that, he has no fear of gully-washing rains. Every so often a heavy rain is sure to fall and when it does an ordinary terrace may go out. Seeded to brome, his will stick even if water goes over them.

Mr. Roth has a 320-acre farm. Approximately 220 acres are in brome and native pasture, leaving 100 acres of cropland. To know exactly how his acreage is divided he says he would need a new aerial picture. The setup has changed considerably in the last 4 years while building more than 3 miles of terraces with a plow and maintainer.

Grassland and hay that he has harvested will support 100 calves he expects to have this winter. This part of his program is well set. His main concern now is building up the cropland.

This year his wheat averaged 18 bushels an acre after it had been fertilized with between 50 and 60 pounds of 45 per cent phosphate. Oats with the same fertilizer plus 60 pounds of nitrate made 41 bushels an acre. Where not top dressed with the nitrate it made 30 bushels.

He is starting a rotation on this cropland which he believes will increase the yield 10 bushels an acre on wheat and double the oats. Alfalfa and sweet clover will be the soil builders in this program.

Mr. Roth has several rotations in mind. On one part of his farm he plans to use a rotation of alfalfa with cereal grains, 2 years of alfalfa, 1 oats and 3 wheat. This will be used on 3 fields which will stabilize alfalfa production. He may slip some sweet clover into this rotation, too.

The other rotation will consist of oats and sweet clover, followed by 2 years

of row crops. His row crop is Blackhull kafir instead of corn, because he can raise better kafir. To supplement his livestock program he will buy feeder pigs as he needs them. If he must have corn he can trade kafir for it.

While producing this variety of crops, Mr. Roth also finds room for an unusual crop. This year he harvested seed from a special planting of switch grass. This grass is common in native pastures, but this improved variety is looked on as ideal for waterway planting in some sections.

Brome grass was a cash crop for him this year, too. From 35 to 40 acres he harvested approximately 300 pounds of seed an acre. It had been fertilized with 200 pounds of 32 per cent ammonium nitrate. Where not fertilized the brome was hard pressed to make 100 pounds.

### Fertilizer Helps Oats

Frank Smerchek, Anderson county farmer, reports that phosphate and nitrate on oats following Atlas sorgo increased his oats yield 10 or 15 bushels an acre this year.

Mr. Smerchek put 50 pounds of 45 per cent phosphate with the oats at seeding time then top dressed with 100 pounds of 32½ per cent nitrate when the oats was 2 or 3 inches high. As a result of these applications at a cost of about \$3 an acre, his oats averaged 50 bushels an acre.

The same experiment was tried by Mr. Smerchek on oats following soybeans. "I could tell that they looked better but was unable to tell for sure that there was any increase in yields," he says.

### Feature Shorthorns

The National Milking Shorthorn Show and Sale will be a feature attraction at the American Royal, in Kansas City, this year, it is announced.

In the show, held October 22, competition will be between state herds composed of the finest selected individual animals from competing states. Animals entered in the sale following the judging will be selected from the high quality show entries. "This is the first show of its kind for any breed," states W. J. Hardy, secretary of the American Milking Shorthorn Society.



Driving from one of his farms to another without getting off brome grass is one result of seeded terraces. Kermit Roth, Wabaunsee county, looks over a field of soybeans. A terrace heavy with brome grass is immediately behind the car. Mr. Roth says not even gully-washers will ruin his terraces. It makes farming easier, too, he comments.



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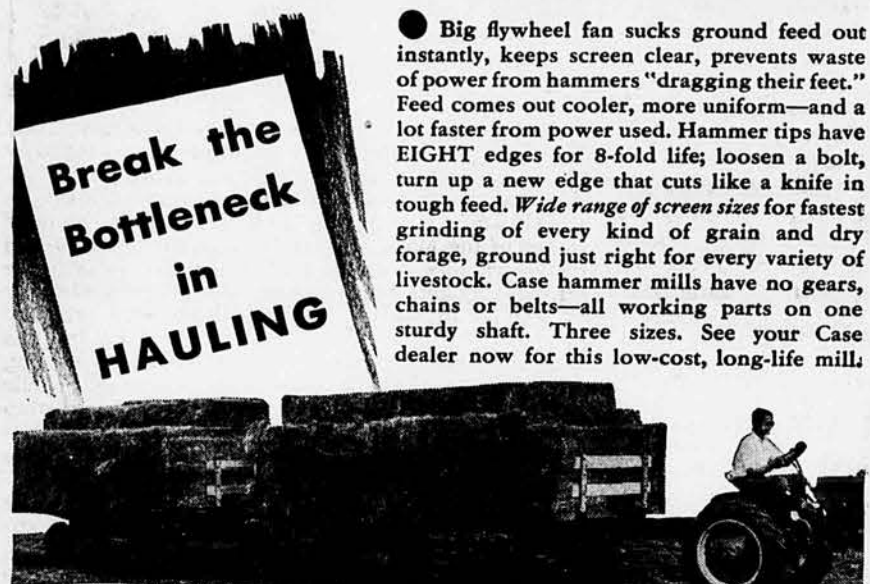


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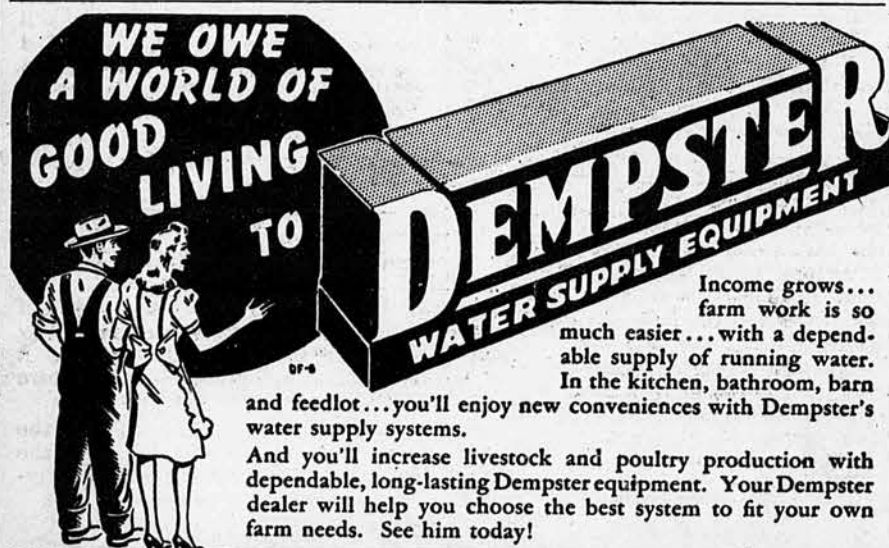
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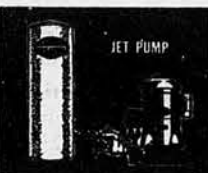


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## Name Wheat Crop Insurance Counties

They Will Be Testing Ground for Nation

THE 200 counties where Federal crop insurance on wheat will be in effect during the coming year are announced by Gus F. Geissler, manager of the Federal Crop Insurance Corporation of the U. S. Department of Agriculture. Twenty-four states, representing all areas where wheat production is an important part of the farm income, share in the 1948 experimental insurance program.

In general, most of the counties selected are in the Great Plains states which produce most of the nation's wheat. Kansas, leading winter wheat state, gets the greatest number or 30 counties. North Dakota, most important among the spring wheat-producing states, follows with 20 counties.

Besides those counties named in Kansas to represent the hard red winter wheat area are 6 counties in Colorado, 12 in Nebraska, 2 in New Mexico, 1 in Wyoming, 12 in Oklahoma and 13 in Texas. Counties in the major spring wheat area other than those in North Dakota are: 12 in South Dakota, 7 in Minnesota and 11 in Montana. Counties in the far western states which include those important for soft white wheat are: 5 in Oregon, 7 in Washington, 6 in Idaho, 3 in California and 2 in Utah. Eight counties in Illinois, 9 in Indiana, 2 in Maryland, 6 in Michigan, 9 in Missouri, 2 in New York, 10 in Ohio and 5 in Pennsylvania were selected to represent the soft red wheat area.

### How Counties Were Picked

Selection of the wheat counties within each state for the 1948 Federal crop insurance program was a most difficult task, said Geissler. Factors studied included whether wheat is an important source of income in a county, whether the county is representative of a wheat-producing area, and what had been the past insurance experience. More than 1,200 counties having wheat insurance this year had to be dropped to conform with the 200-county limitation set by Congress. Many of these counties had successful wheat insurance programs. Counties were selected by the Federal Crop Insurance Corporation.

Commenting on the selection of the counties, Geissler said that the future development of Federal crop insurance will depend on the success of the program in these counties. "These 200 counties," he said, "are really carrying on an experiment in wheat insurance for the Nation. In more than 700 counties the wheat program has operated at a profit, that is, the Government has received more in premiums than it paid out in indemnities. I realize there are thousands of farmers outside the 200 counties who would like to have crop insurance protection on their wheat. The agricultural committees of Congress indicated they would like to see Federal crop insurance expanded as soon as the program appears to be entirely successful. It's now up to these 200 counties and the corporation to protect and prove the worth of this program."

### May Change in Future

Mr. Geissler also emphasized that the present counties selected are not necessarily permanent. He said it might be advisable in the future to select different counties in order to get additional insurance experience.

The majority of the 1948 wheat insurance will be provided under existing 3-year contracts with protection against loss in yield due to unavoidable production hazards. However, there will be 3 counties where 1-year wheat insurance contracts with a cash coverage and a cash premium rate will be offered for the 1948-crop year. These are Logan county, Colorado; Hamilton county, Nebraska; and Ford county, Kansas. In determining the amount of the premium or the indemnity, if any, under these contracts, all wheat production will be valued at \$1.60 a bushel.

The change in legislation does not affect the obligation of the corporation or any insured farmer for the 1947 crop year. Contracts written to cover a wheat crop in 1948 or any subsequent year in a county where insurance will be discontinued were terminated by recent legislation, and individual insured producers will be so notified by the corporation in the near future.

Following are the states and counties where the new Federal crop insur-

ance on wheat will be in effect in 1948: California: San Luis Obispo, Sutter, Tulare.

Colorado: Adams, Baca, Kit Carson, Logan, Phillips, Weld.

Idaho: Bannock, Idaho, Latah, Lewis, Nez Perce, Teton.

Illinois: Christian, Macoupin, Madison, Mason, Monroe, Sangamon, St. Clair, Washington.

Indiana: Allen, Decatur, DeKalb, Kosciusko, La Porte, Noble, Rush, Shelby, Sullivan.

Kansas: Barton, Clay, Cowley, Cloud, Dickinson, Ford, Harper, Harvey, Kingman, Lincoln, Marion, Marshall, McPherson, Mitchell, Nemaha, Osborne, Pawnee, Pratt, Rawlins, Reno, Republic, Rush, Russell, Scott, Sedgwick, Sherman, Stanton, Sumner, Trego, Washington.

Maryland: Carroll, Kent.

Michigan: Barry, Clinton, Eaton, Gratiot, Hillsdale, Monroe.

Minnesota: Clay, Dakota, Goodhue, Kittson, Norman, Polk, Stevens.

Missouri: Bates, Cass, Chariton, Cooper, Lafayette, Pike, Saline, St. Charles, Vernon.

Montana: Chouteau, Daniels, Fergus, Hill, Judith Basin, Liberty, McCone, Pondera, Roosevelt, Sheridan, Valley.

Nebraska: Buffalo, Chase, Cheyenne, Deuel, Gage, Hamilton, Jefferson, Kimball, Nuckolls, Richardson, Saunders, Seward.

New Mexico: Curry, Quay.

New York: Ontario, Seneca.

North Dakota: Benson, Bottineau, Burleigh, Cass, Griggs, Grand Forks, Lamoure, McIntosh, McKenzie, McLean, Mercer, Morton, Pierce, Ramsey, Sargent, Sheridan, Stutsman, Trail, Walsh, Williams.

Ohio: Franklin, Greene, Highland, Mercer, Preble, Puttman, Seneca, Stark, Tuscarawas, Williams.

Oklahoma: Alfalfa, Beckham, Blaine, Custer, Garfield, Grady, Greer, Jackson, Kingfisher, Kiowa, Noble, Tillman.

Oregon: Gilliam, Morrow, Sherman, Umatilla, Union.

Pennsylvania: Berks, Chester, Columbia, Lancaster, Lycoming.

South Dakota: Brown, Codington, Day, Edmonds, Faulk, Marshall, McPherson, Meade, Perkins, Potter, Tripp, Spink.

Texas: Collin, Castro, Deaf Smith, Denton, Floyd, Grayson, Hale, Jones, Knox, Runnels, Swisher, Taylor, Young.

Utah: Box Elder, Juab.

Washington: Adams, Benton, Douglas, Franklin, Grant, Walla Walla, Whitman.

Wyoming: Goshen.

Twelve states now having wheat contracts with the corporation will not be included in the 1948 program. These are: Georgia, Kentucky, Tennessee, Virginia, West Virginia, North Carolina, Delaware, New Jersey, Iowa, Wisconsin, Arizona and Nevada. Although these states have been eliminated from the Federal wheat insurance program, most of them will have Federal insurance programs on other crops... such as, corn, tobacco, cotton or flax. Selection of counties for these other crops has not yet been decided upon by the corporation.

## Fall Improvement Plans

We have just been informed by the Engineering Extension Department of Kansas State College that the following blueprints are now available as long as the supply lasts. Please order by number if a number is given, and address your letter to Farm Service Editor, Kansas Farmer, Topeka.

- No. 77202—Rectangular Concrete Stock Tank. Sloping sides; variable size . . . 15c.
- No. 74301—Concrete Manure Pit. 18 feet by 37 feet. Suitable for use with a herd of 18 dairy cows . . . 15c.
- No. 81-37—Plans for Forms for 730-Gallon Septic Tank . 10c.
- Portable Ironing Board . . . 10c.
- Homemade Shower . . . 5c.
- Outdoor Fireplace . . . 10c.
- Safety Play Pen for Children and Outdoor Playing Equipment . . . 10c.



# Feedlots Are Food Factories

Now, with the approach of fall, the endless streams of cattle and lambs flow down out of the high summer pastures. Last spring's pigs soon will be on the way to market. The sorting lots and corrals will soon be busy.

In the valleys and plains the feedlots begin to fill. They dam back some of this fall flood of animals . . . You who feed livestock know well how important this is. You realize that it helps avoid periods of glut and scarcity, by stretching out, over months, the time of marketing. You know, too, how such year 'round marketing serves to lessen big "feast-or-famine" price fluctuations. And who should understand better than you how the feedlots of America add millions of pounds to the nation's meat supply?

Feedlots save for the land much of the fertility which the selling of grain crops and hay would take out of the land. For example, you sell a steer that has gained 500 pounds in your feedlot. You are selling off your land only about 12½ pounds of nitrogen, 3 pounds of phosphorus, 1 pound of potash, which his body has absorbed out of your feeds. But suppose you were to sell as cash crops the grain and hay which you put into that steer. Then you would deplete your soil of about seven times as much nitrogen, four times as much phosphorus,

and twenty times as much potash.

Keeping the soil fertile through use of manure from livestock is only one factor in judging whether "feeding" is likely to be a profitable venture. There are many others which are being constantly studied by individuals, colleges, and experiment stations. In every feeding area they are trying out new rations, watching costs, plugging "leaks," developing more efficient feeding techniques. So if you are feeding livestock, or are considering it, it may be worth your while to consult your county agent, vocational agriculture teacher, or state agricultural college. Ask them what they have that's new in up-to-the-minute feeding information . . . maybe you'll find some new wrinkle that will lower your costs, increase your profit possibilities.

## OUR CITY COUSIN



Asks little cousin, city-born, "Do Indians use wigwams of corn?"

## Martha Logan's Recipe for SAUSAGE AND LIMA BEAN CASSEROLE

1 pound pure pork sausage  
1½ cups dried lima beans  
(3½ cups cooked)  
3 cups hot water  
¼ cup chopped onion  
¼ teaspoon dry mustard  
1 teaspoon salt  
½ cup tomato juice

Soak beans in hot water for 8 to 10 hours. Simmer beans about 1½ hours in the same water in which they were soaked. Brown half of the sausage and the onion, stirring lightly. Drain off excess fat. Combine cooked beans, browned sausage, onion, mustard, and salt. Place in a one-quart casserole. Make ten small balls from remaining sausage meat. Place on top of hot bean mixture. Pour tomato juice over beans. Bake in a covered casserole in a slow oven (325° F.) for 45 minutes. Uncover. Bake 15 minutes longer to brown sausage. (6 to 8 servings)

## WINTER FEEDING AFFECTS SUMMER GAINS

Summer gains made by yearling steers on grass vary with the amount of gain made during the previous winter, according to new data reported by the Oklahoma Agricultural Experiment Station.

The experiments, conducted by the Department of Animal Husbandry there were designed to find an answer to this question, "How much should calves gain during the winter months in order to make the best use of grass the following summer?"

Six lots of choice calves were used in the test. They were fed to gain at three different rates—high (1.3 pounds per head daily); medium (about 1 pound per head daily), and low (about ½ to ¾ of a pound per head daily).

The report of the experiments indicates: (1) that steer calves which gained at the medium to low rates made the most economical use of grass during the early part of the grazing season; (2) that combined profits from wintering and early-season grazing were in favor of the lots wintered at medium and low rates of gain; (3) that, of four lots of steers which were continued on grass during late summer and early fall, the ones which had been fed at the lowest rate of winter gain (.69 pounds per head daily) continued to make the greatest gain on grass; (4) that there is definite evidence that calves wintered on grass and cake to gain ½ to ¾ of a pound a day will produce desirable feeder yearlings at a greater profit than those which gain from 1 to 1½ pounds per day in winter.

This interesting experiment is reported in detail in Oklahoma A. & M. College (Stillwater), Miscellaneous Publication No. MP-11.



## How many Meat Packers?

Here's an interesting thing to note. There is, on an average, more than 1,000 miles between the point where livestock is raised and the

point where the meat products are eaten. Largely because of this 1,000-mile gap, national meat packers came into being.

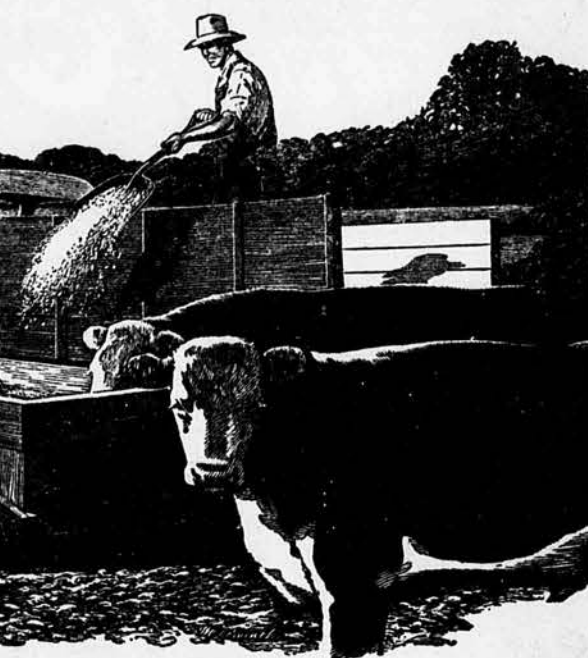
The small meat packers buy livestock locally, slaughter and sell meat in the territory surrounding their plants. In addition to this service, nationwide organizations are equipped to do another big job—and do it economically. They perform the service of moving dressed meat the long distances from areas of production to large consuming areas where relatively little livestock is produced. These areas of great meat consumption and small meat production depend upon nationwide meat packers, like Swift & Company, for a large part of their meat products. Livestock-producing areas also depend on the large meat packers, as an outlet for the livestock their immediate market cannot consume.

Most livestock producers market their livestock at only one market. So they come in contact with only a few livestock buyers. Dealing with such a small number of firms leads farmers and ranchers, naturally enough, to the thought that there is only a small number of meat packers in the United States. Actually, according to the latest figures available, there are approximately 4,000 meat packers and about 22,500 other commercial slaughterers of livestock. Some slaughter millions of head per year. Others kill thousands of head annually, and still others only hundreds.

F.M. Simpson  
Agricultural Research Department

**SWIFT & COMPANY**  
UNION STOCK YARDS  
CHICAGO 9, ILLINOIS

**NUTRITION IS OUR BUSINESS—AND YOURS**  
Right eating adds life to your years—and years to your life



## New "Slant" Saves Pigs

Farrowing pens with sloping floors are the answer to clumsy sows that step or lie on baby pigs. The slant of the floor takes advantage of the natural tendency of sows to lie with their backs uphill, while the tiny baby pigs tumble downhill safely out of her way. Used extensively in Kentucky, sloping floors have cut baby pig losses to only one out of thirty, according to W. P. Garrigus of the University of Kentucky. He writes:

"Crushing or crippling by brood sows is the chief cause of pig losses. Normally, one out of every five new-born pigs is doomed to be mashed or severely crippled by clumsy, awkward brood sows the first day or so after farrowing. This loss to the swine industry adds up to a staggering total. According to the United States Department of Agriculture, each pig killed at farrowing represents a loss of 140 pounds of the feed consumed by the sow during the gestation and suckling periods. Figuring two pigs killed to the litter, this loss in one year alone, 1944, cost hog men 75 million dollars.

"Very little of this tremendous loss needs to be tolerated. Three years of experimentation and observation of herd tests in Kentucky show that sows farrowing on sloping floors raised from one to four pigs more than when they farrowed on level floors. On 49 Kentucky farms where records have been kept, with 385 litters, an average of only one pig out of 30 farrowed has been crushed on sloping floors."

The College of Agriculture, University of Kentucky, Lexington, Ky., has detailed information on sloping floors for farrowing pens, instructions for building, etc.

**Soda Bill Sez:** . . . it doesn't take much of a horse to pull a load downhill.



## Track Down the Facts



If you ever see tracks like this in the snow, dust, or mud, you'll know there's been a white-tailed deer around. An experienced hunter can tell from the tracks how long since they were made, the approximate size of the deer,

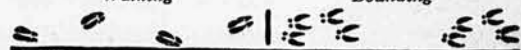
and whether it was in full flight or quietly going about its business.

Deer tracking is considerably out of our line here at Swift & Company. But we do have a staff of trained fact hunters. Their job is to track down the facts which control our business operations. They study the U. S. Department of Agriculture figures on livestock supplies. They "track down," too, the demand for meat . . . what weights and grades housewives everywhere are asking for . . . what cuts they prefer.

Our "fact trackers" know full well that the price of livestock is determined by what the meat packer can get for the meat and by-products.

Walking

Bounding

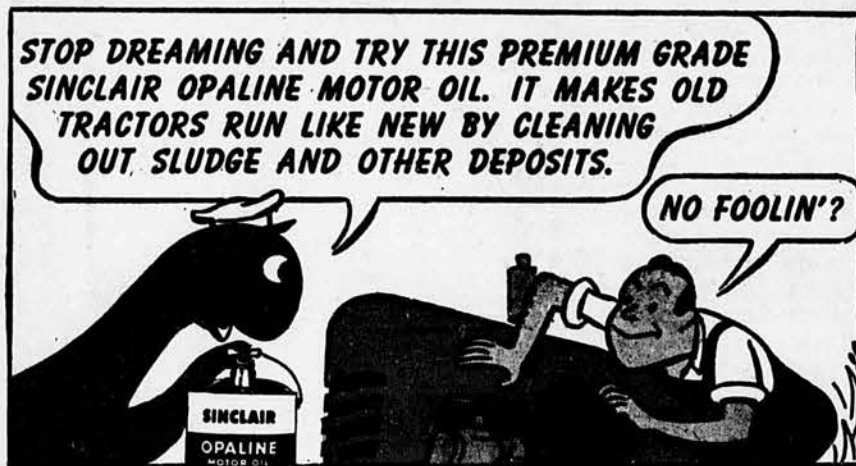




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## MOORE'S FARM STORE

Hutchinson, Kansas

## The Unloading Chute

All readers of Kansas Farmer are cordially invited to express their opinions in these columns on any topic of interest to farm people. Unsigned letters cannot be considered and no letters will be returned.

### Only Life for Us

Dear Editor: After reading Mrs. Scheel's "Hired Man" article, I felt fairly sure she has never been a "hired man's" wife as I have been off and on for 12 years. The "on" years have been when we get so bored with town living that we decide to give farm work one more try; and the "off" ones when a rosy-painted farm job turns out just as former ones have, or even worse.

We started married life as the only "hired help" on 320 acres: Fertile bottom fields planted in corn and other row crops; fine hill pastures well-tended by whiteface cattle. There also were milk cows, hogs, turkeys.

We were provided with a good house, fuel to burn, and a dollar a day wages. To handle the farm work we had a team of old horses and one of mules that ran away about every second day, each team equipped with harness that was mostly baling wire. We started in at four each morning—milked, fed and watered, dipping the water with rope and bucket from a cistern; carried water one-quarter mile for house use. By 7:30 o'clock I would be ready to start to the field.

After a couple weeks our employer wanted to know if my husband couldn't get to the field earlier. He stayed in the field each night until dark, then had all those chores to do again. One bright moonlight night when we were slightly fed up, we did chores, then went back to the field and shucked corn by moonlight. That was the only time the boss ever seemed to feel we had given him a fair day's work. We stayed on tho and tried our best to please until one day the old harness and wagon went to pieces during one of my husband's fast rides behind the mules, and he was injured so he could not work for several months. Of course, we had to vacate for the next "hired help" and no mention made of compensation for his injury.

My husband tried day labor in town when he was able to work again. He made twice as much as on the farm, but what we didn't pay out for groceries that never tasted as good as what we produced, we spent on entertainment because we missed doing chores and watching things grow around us. After 2 years of that we took another farm job—\$30 a month again, and a hundred miles from home, so we had to stay—our budget had not yet indicated car ownership.

That farm was really mechanized—it needed a trained mechanic to keep everything running. However, we lived in a cabin built in the 1860's, painted few times since then, and snakes found it more comfortable than we did. The owner and his wife were really fine folks, reasonable in their ideas of a day's work, and always fair with us. They didn't consider "hired help" their social equals however, so we had a pretty lonely time of it. Their scale of living didn't correspond with farm life so they gave up farming.

Not too disheartened by that farm job, we accepted another. We were to be in complete charge and possession of a large stock farm for its new and non-resident owner at good wages plus 50 per cent of the poultry and truck garden, and promise of a partnership

the following year. We were happy to get such a chance.

We moved on the place and cleaned it up, awaiting the promised equipment. After 6 months, total equipment was a team of broncs we had to re-break every morning, a wagon, and a cultivator. The employer succeeded in getting other things there tho in the wildest varieties you could imagine—razor-back hogs and goats that tore down fences and over-ran the neighbors, sheep, a flock of geese and one of wild ducks, several hundred half-grown chickens—nothing that brought a cent of immediate income, yet all consumed feed, and in what quantities. We had acquired by that time an old car and a few cows of our own. We used our cream money as far as it went to buy the feed we hauled from town almost every day (mileage for the use of our car was included in the agreement).

The neighbors were good to lend us implements so we got the crops in, altho late. By the middle of July, our 2-acre truck garden, hand-tended, was starting to produce in startling quantities every kind of vegetable and melons one could name, 350 chickens were almost ready for market, and lots of fat geese and ducks. We were just finishing dinner one day and wondering when the owner would be coming in to settle for the last 2 month's wages and our heavy expenses, when his wife drove in, up to the front door, and started unloading suitcases, pans, and bedding from her big car. I know this sounds fantastic, but it actually happened—she simply moved right in... We were so amazed we didn't know what to do... we had no written lease on the house. In short, no one seemed able to do a thing only sympathize with us. We stayed on for 3 days... then we couldn't take any more and stay sane, we just moved out. To every query we made about back wages, mileage, poultry, garden, or anything else, she gave the same answer—that her husband would settle with us when he came the next week. Next week has not yet arrived—in the 6 years since we have never been able to collect a cent...

Now instead of renting in town, we rent a suburban place, my husband works at day labor, and we are trying desperately to get enough equipment to handle a rented farm because farm life is the only life for us—but not the farm life we lived as "hired hands."—Mrs. L. E., Neosho Co.

### Two Sides to Problem

Dear Editor: I read with interest the article, "Who Said Hired Man?" in the recent issue of your good paper.

There are always two sides to every problem. The "hired man" as we call him, is human just the same as the rest of us, and has his side of the problem.

I firmly believe the blame for the hired labor shortage lies with the farmer himself. The majority of us will hire a man, pay him starvation wages, give him a shack to live in, and feel like we are doing something for him. In return he is expected to be a slave, and often is asked to do personal tasks for the employer that any decent man would inwardly rebel against.

### See It at the State Fair



NEW AT THE FAIR: The Case field-forage harvester that is designed to handle all row crops grown for silage, as well as uncured grass and legume crops which have been cut and windrowed.



My hired man does not clean my toilet and chicken houses, mow my lawn, or hoe my garden. When it gets to where I cannot do these things for myself I'll quit having a garden, chickens, and grass on my yard.

Instead, my man is considered my equal. He is a specialist in his own line. An expert with all power machinery, unequalled in the scientific art of cattle feeding. He knows how to go ahead without supervision, works hard and does his work accurately and thoroughly. To me he is indispensable and he makes me money.

In return I treat him like a human. He enjoys a livable, comfortable home. I pay him decent wages, and have raised his wages 3 times since January 1, 1946—because the cost of living has raised 3 times during this period. He works 10 hours each day from 7 until 6 unless there's an emergency. If there is, and he works on Sunday, I pay him extra for that day. If he works after 6 p. m. I make it up to him in some way.

After 6 o'clock and field work is thru he milks his own cow, has time to work in his own garden, mow his lawn, or drive into town to a show—and believe me he feels more like work next day because of it. All work and no play makes for a discouraged, unhappy person you know.

It all boils down to this: If we would all stop treating our help like second-rate citizens, stop making personal slaves out of them, provide decent places for them to live, and pay them a living wage, we would all attract the type of labor we so much desire and so badly need. Right now there's hundreds and hundreds of experienced, capable farm laborers working in towns and cities at public work who would much rather work on farms and ranches if they could have the same standard of living for themselves and family. They are still leaving farm work at an alarming rate because of this.

Here's my experience and my advice: Pay wages that attract better help and make his surroundings desirable. When you get a good man treat him like the skilled help he is. Believe me it will play dividends.—L. A. Dewyer, Coffey Co.

### What Chance Is There?

Dear Editor: I have just finished reading the very interesting article, "Who Said Hired Man?" and it makes me want to write an account of our experiences.

For several years my husband has been a "hired man," and a good one. But some of the employers one meets are rather hard to take. Some, and a large number classify in this group, feel or show by their actions that the hired man's family is definitely in a lower class. Once we felt we had a swell job, managing a farm and a herd of grade "A" milk cows. The promised single man helper never materialized, so I, the wife, helped milk night and morning for some months until the boss finally purchased a set of milkers.

The house was roomy, but needed paper and paint that were promised and never came. All the water used had to be carried from the windmill, carried to house, to the milkhouse, and

to the calves. Then after the children had gotten started to school in the fall, one of the bosses decided he wasn't making enough money from his share of the farm income, so they dissolved partnership and sold out. We had to start over again.

The next house was nice inside but little. Running water in the kitchen, electricity, but the children had 2 miles to go to school. The older daughter and the Mrs. were condescending in their manner. The henhouse and toilet were crawling with bedbugs and my husband had to clean them before they were fit to use. One of our children was under the doctor's care and required trips to the doctor's office twice a week. The boss was told of this before we took the job, but he soon began to "holler," about the lost time. Evidently he never counted the steady Sundays of feeding cattle until noon, of always being there to do the night chores on Sunday, of the work done on Thanksgiving and New Year's, and the wood that was lugged on Christmas day. So this went on during the winter. Then one morning when spring was in the air, he told my husband that he could handle the work himself that spring. So we moved, causing the children to change schools again.

I could write of many other employers, some good, some bad. Often the pay isn't quite enough, often the hired man and his family are expected to live in a shack that the boss and family won't look at. Often the neighborhood's attitude is unfriendly toward the hired man. I could list many "gripes" of the hired man who tries to do what is right.

What chance is there for a good hired man, when the poor worker and the shirker receive a good pay and accommodations as the conscientious worker? If the farmers would pay overtime for late at night work and Sunday work, and provide more efficient tools to work with, along with decent living quarters, they would be more likely to keep their farm help.

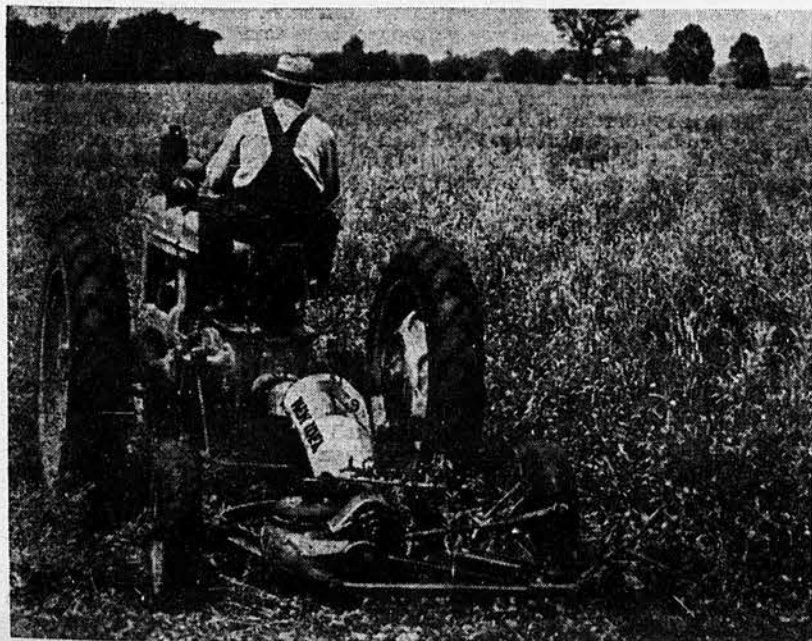
Mrs. Scheel asks, "Is there no one to help the overworked farmer?" There are hired men left, good ones, who would like a decent farm job, where they didn't have to slave, as compared to city workers. There are many families who live a hired man's life rather than take their children to town. But the farm labor problem won't be solved until the man skilled with power machinery and handling livestock is given more pay than the transient worker. There is no encouragement for a good hired man in such a pay system as is now in use.—Mrs. S. J., Pottawatomie Co.

### Nitrogen Held Over

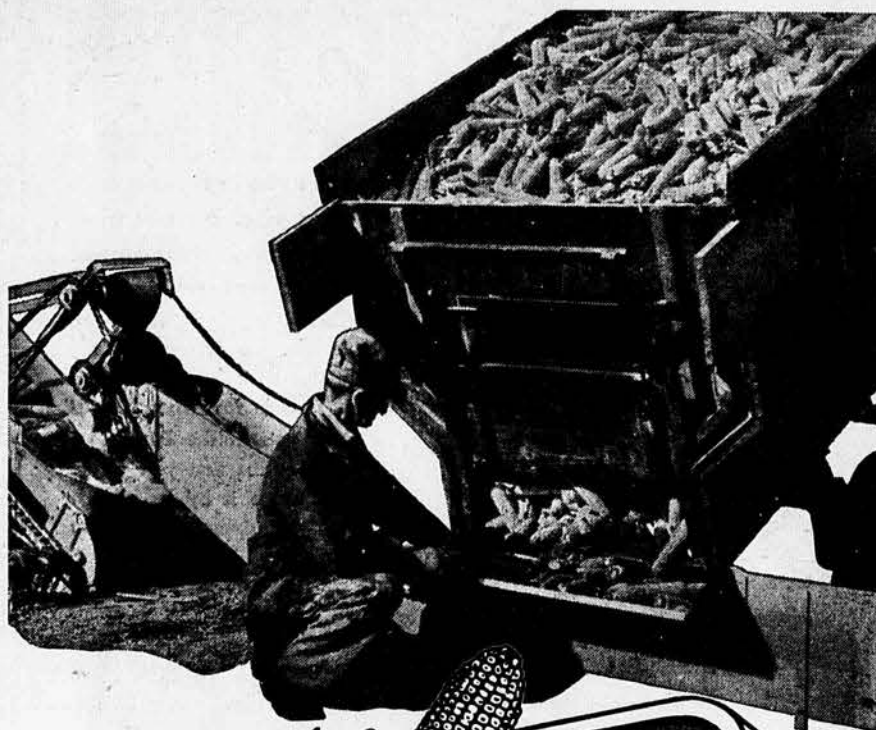
If you put nitrogen on brome grass and don't get results, just wait, advises S. E. McMillen, of Neosho county.

Last year Mr. McMillen put 200 pounds of 32½ per cent nitrogen on his brome grass but the weather was too dry for results. This year, however, the brome came on without further applications. The hay yield was about double what it had been and Mr. McMillen harvested 300 pounds of seed an acre. The stand was established in 1937.

### See It at the State Fair



NEW AT THE FAIR: The New Idea power take-off mower for standard drawbar tractors.



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**HYBRIDS**

**WIN 8 OUT OF 10 TIMES**  
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2,786 competitive yield checks made in 12 states over a period of 9 years under a wide variety of soil and climatic conditions show that Genuine Pfister Hybrids actually win 82.7% of the time . . . 8 OUT OF 10 TIMES. In the few cases where Genuine Pfister Hybrids do not win, they lose by an average of only 5.3 bushels per acre. That's mighty conclusive proof of superiority and it's figured on DRY SHELLLED CORN . . . the corn you feed and sell. You get MORE CORN . . . LESS COB because Genuine Pfister Hybrids are bred that way. Remember, it costs about the same to plant, grow and harvest a "fair to middling" hybrid as it does a winning hybrid. So, every extra bushel of DRY SHELLLED CORN that you get with a winning hybrid means extra profit . . . clear profit. Ask your P.A.G. dealer to help you select the P.A.G. Hybrids that are WINNING 8 OUT OF 10 TIMES in your locality. Call him today!

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- 3 • MOISTURE TESTS are made and weights reduced to No. 2 corn. This determines the winner on the basis of DRY SHELLLED CORN YIELD per acre. And in 2,786 such checks, Genuine Pfister Hybrids WIN 8 OUT OF 10 TIMES.

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means 10 to 13 Extra Bushels per Acre. An exclusive treatment, almost as important as the development of hybrid corn, means 10 to 13 extra bushels per acre. No farmer can afford to be without it.

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Combining efforts is just plain common sense—it's the BIG EXTRA that brings you all the other EXTRAS in United.



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- DEEP, STRONG ROOTS**  
Search out food, moisture to produce bumper crops.
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Ears are uniform height—ready for hand or machine.
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Safe, sound corn for all sections.
- IT STANDS UP**  
Can "take it" in tough years against drought or high winds.
- CORN BORER INSURANCE**  
Sturdy stalks resist borers.
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Clean, graded—plants with ease and uniformity.
- FEEDS BETTER**  
Livestock prefer United because they do better on it.
- DEEP KERNELS, SMALL COBS**  
mean extra profits.

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"FOR OVER 20 YEARS THE TRUCKER'S STANDARD"

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AT BIG SAVINGS!

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Tax Paid Mounted at Factory

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13 1/2 foot FOLD-DOWN combination livestock and grain body. "Fresh off the assembly line" now sold at low FACTORY-TO-YOU price. Built to take more road and load punishment. Super-strong, flexible hard wood body. Hickory Stakes. Oak slats. Edge-grain floor. Weather proof Enamel Finish. Greatest body Value in America.

**LOW COST UNDER-BODY HOIST . . .** Handles more pay loads faster. Saves time, labor. A money maker. Dumps any load you can scoop! Dumps any body. Big 7 inch hydraulic cylinder. Worlds of power. Double arm construction. Finger tip controls in cab. Stops at any height. Moves up or down slow or fast. Anybody can install.

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## Plan Next Spring's Beauty

By JAMES SENTER BRAZELTON

WITH the earth so dry and the air so full of dust one can scarcely breathe, our minds turn back to those cool, crisp days of early spring, when, shortly after the last snow had melted, the daffodils burst out in their yellow loveliness, announcing to the world that spring was here. But if we are to enjoy such horticultural rhapsodies we must do something about it long before it is time for the blossoms to appear.

In fact, it is not too soon to make plans for next spring's beauty right now even with the mercury hovering above the 100 degree mark. Bulbs that are to bloom next spring must be planted some time this fall, necessarily before the ground freezes. It is not too early to begin studying the bulb catalogs, obtainable now, so as to pick out the varieties that will give you the most pleasure and satisfaction next spring.

Perhaps the daffodil that brings out the most ohs and ahs is King Alfred. It is the largest of all, rich golden yellow, the trumpet deeply frilled and recurved. Spring Glory is a two-color daffodil everyone loves. Instead of all yellow it has white petals with a yellow trumpet. A brand-new variety named Inglescombe is a fully double, rose-shaped flower of soft citron-yellow color.

Daffodils have provided inspiration to many poets and would-be poets and have been called "love stars" and "daffy-downillies" in some of their lyrics. Daffodils were simple little meadow flowers that grew wild in an area surrounding the Mediterranean sea. Originally they were white, but according to tradition some turned yellow when Pluto touched them. They were once used to flavor liquors and in the Middle Ages the only sale for them was as a drug to encourage vomiting. Now, here in the United States alone \$3,000,000 worth of the flowers and bulbs are sold annually.

The biggest daffodil grower in this country and originator of new varieties is Jan de Graaff, of Sandy, Ore. More than 6 million daffodils bloom every April on this large bulb farm in the shadow of Mt. Hood. On this farm are 1,500 different varieties of daffodils all of which sprang originally from wild blossoms. Before a new variety can be presented to the public the seedling must be cultivated for 5 years before it blossoms. The bulbs from this flower are then planted and replanted for 15 years more. It is not surprising that these new daffodils range in price from \$40 up to \$100 for a single bulb.

There has always been quite a lot of confusion over daffodils and narcissus. Really they are virtually the same. Daffodil is the common name and narcissus the botanical name. Common usage, however, among the gardeners of this country, has applied the term daffodil to the giant trumpet varieties, while the smaller or medium trumpet types are referred to as narcissus. Sometimes the name jonquil is applied to the giant trumpet daffodils, but this is misleading because the true jonquils are small flowered and sweet scented.

Daffodils have few equals as garden flowers because they bloom early, last a long time and may be had in so many varied forms. They can be used for most any garden purpose—in masses, in beds or borders in groups of 12 or more in the hardy perennial border, or in the foreground of shrubbery. For naturalizing in large quantities no other flower is more suitable. They are ideal for winter blooming in the house. The Paper White narcissus is the va-

riety most widely used for this purpose. Jonquils and their hybrids have a charm and grace that make them extremely popular. They are a distinctive type of narcissus, the flower being small, delightfully scented and usually borne in clusters of two or more on strong stems. They are perfectly hardy in the garden and highly recommended for beds, borders, naturalizing in woodlands, and rock gardens. They are valuable for indoor culture, too.

For best results the bulbs should be planted as early in the fall as possible, 4 to 8 inches deep and 6 to 10 inches apart. The exact distance depends upon the size of the bulbs and the nature of the soil. It might be advisable to cover them with leaves, straw or coarse litter to a depth of 4 to 6 inches after the ground is frozen hard. For indoor culture the bulbs are placed several in a pot about one inch apart. They are watered thoroly and kept in a moderately cool place for 8 to 10 weeks or until there is a good root development.

The ancient Greeks had a very strange and unusual tale they told about narcissus. According to the myth there was a mountain nymph named Echo who was deeply in love with a handsome youth named Narcissus. The youth, however, did not return her love because Echo at one time had made the goddess Hera angry with her and as punishment she could not talk except to echo the words of others. She pined away and finally died leaving nothing behind but the echos which people hear in certain places.

Narcissus also came to a sad end. One day he looked into a spring and saw his image and he was so charmed with his own beauty that he kept on admiring himself in the water day after day until he finally died. A beautiful flower sprang up on the spot and it was called Narcissus.

There are other spring flowering bulbs too, that you will want to order along with the daffodils. Earliest of all is snow crocus, blooming as early as February. Snowdrops (galanthus) have lovely, white nodding flowers that are often out before the snow is gone. One of the easiest flowers to grow from fall planted bulbs and one of the most beautiful is the hyacinth. Giant flowered hyacinths are effective in beds, borders or groups here and there among perennials or in front of shrubbery. It is probably the easiest flower to grow in the house in winter. Bulbs may be started either in pots with soil or in glass containers with water only.

For brilliance and gorgeous color tulips are indispensable to round out the completeness of any spring garden. There are a great many varieties of tulips which, for convenience, are grouped together under such names as Darwin, Breeder, Cottage, Dragon, Triumph and chameleon tulips. For generations tulips and Holland have been so closely associated that when we think of one we think of the other. Although many good tulip bulbs are produced in the United States, Holland still leads the world in production of bulbs of the highest quality.

Tulips come in a wide variety of colors. In fact they cover almost every shade in the rainbow. Some tulips are purple and they may be such dark purple that they look nearly black. There was a time when black tulips were in great demand. That was during the tulip craze which spread over Holland more than 3 centuries ago. Single bulbs at that time brought as much as \$1,800. When the tulip bubble burst it left a great many of Holland's citizens bankrupt.

## Let Clover Mature To Make Good Ensilage

MAKING good red clover silage is not difficult if the crop is permitted to mature quite well, Henry Lange, Atchison county, believes. With this method he uses no preservative and does not wilt the crop. Wait until one third to one half the blossoms are quite dry before putting it in the silo and it will not cause trouble, he says. But if you use green hay it must be mixed with something or wilted before ensiling.

Last year Mr. Lange put 30 feet of red clover and alfalfa mixed in his 16-by 40-foot silo. Later he filled the silo

with corn that made between 40 and 50 bushels an acre. Cattle he was feeding liked the corn ensilage fine, he says, but when he started feeding the legume silage it was a different story. The cattle bawled for more.

This year Mr. Lange put legumes in 2 silos and planned to fill them out with corn.

Mr. Lange is using haying equipment to put clover in his silos. The crop is cut and windrowed and he follows close behind with a hay loader. He forks the mature hay thru a standard ensilage cutter at the silo.



# ATTENTION—32-VOLT USERS!

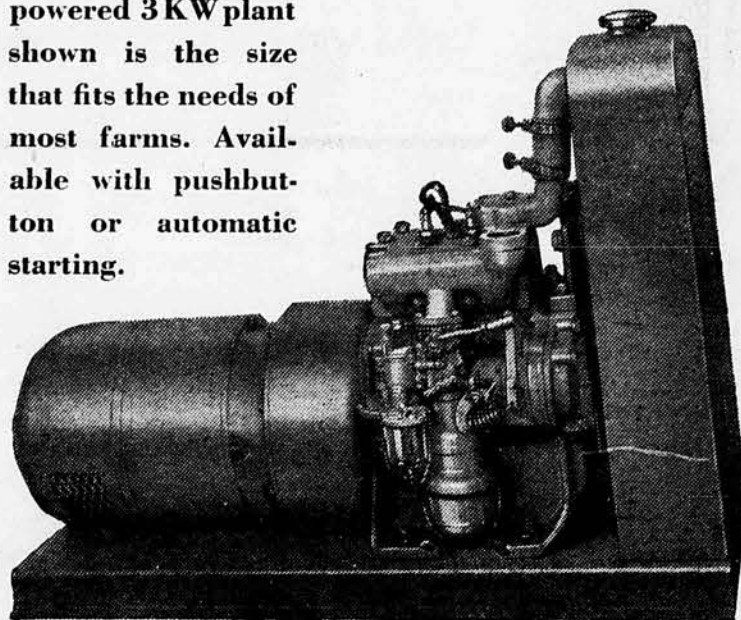
## NOW--You can have power for motors, lights, appliances with this combination 32- and 110-volt electric power plant

Let an "United States" Electric Plant furnish power for the electrical appliances you plan to buy after the highline comes through. It gives the same type of power . . . 110- or 220-volt, 60 cycle, A.C., and at the same time charges your 32-volt batteries for lighting requirements. **FULLY AUTOMATIC—GREATLY REDUCES GENERATOR RUNNING TIME AND OPERATING COST.**

### Use it for Stand-by Power After the Highline Comes

Your "U. S." Electric Plant will perform stand-by service if storm or accident interrupts the highline service. Protects your refrigeration, incubation, etc., and keeps your farm electrical service *on the job* by cutting in automatically when needed. "U. S." Electric Plants are available for stand-by service, continuous duty, and portable uses. **SEE THIS UNIT IN OPERATION AT YOUR LOCAL DEALER.**

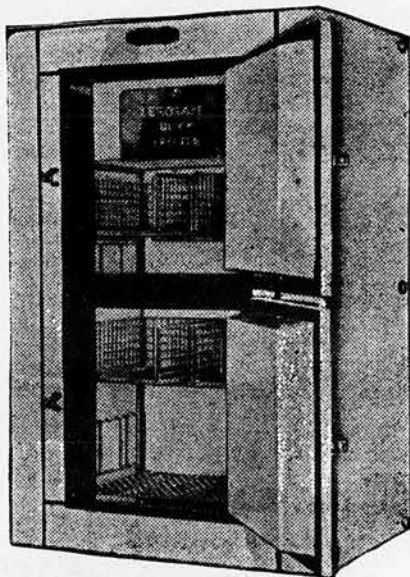
"U. S." manufactures a complete line of electric plants . . . 1/2 to 140 KW. The two-cylinder, gasoline-powered 3 KW plant shown is the size that fits the needs of most farms. Available with pushbutton or automatic starting.



## Here's a Farm Freezer

That  
**"GROWS"**  
as you need  
More Space

With the Wilson Zerosafe, there is always plenty of food for every meal, preserved at the peak of its flavor and economy. When your freezer requirements outgrow your first size, you can increase the capacity by simply adding another section. No losses from trade-ins, etc. Your Wilson Zerosafe is big enough to home-freeze and store your family's food the whole year through. Sizes range from 15 to 120 cubic feet. Let the Wilson Zerosafe begin to serve and save for you today. There's one on display at your dealer.



**WILSON ZEROSAFE, MODEL FF-30**  
Holds 1,050 lbs. of food at the conservative average of 35 lbs. per cubic foot.

## No Hand Stripping

### With a **SURGE MILKER**



Here's the milker that gives stimulating hand action, a longer lactation period, and clean, fast milking. Surge is the only adjustable milker. It saves time and labor, and increases milk production.

Sturdy and dependable, Surge is on the job twice a day . . . every day. Every Surge Milker is checked and installed at your farm, and then periodically checked to maintain maximum production. The Surge service dealers keep Surge Milkers *on the job!* You can be sure of efficient, continuous performance from your Surge Milker. See your Surge dealer today.

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# YOU..

## ONE-MAN HUSKING CREW



UNDER  
MOUNTED

## CORN HARVESTER

**The new CORN HARVESTER** converts your WC Tractor into a one-man husker in a half-hour or less. Tractor-mounted, it opens up the field on the first round. There's no hand picking — one man driving the tractor does the whole job.

Measure your day's work by the cribful, not the wagonload. The moment your corn is ready, get it under roof in a hurry with your *own* husker — ready to roll. It's better than 10 hand pickers . . . or waiting for a custom machine.

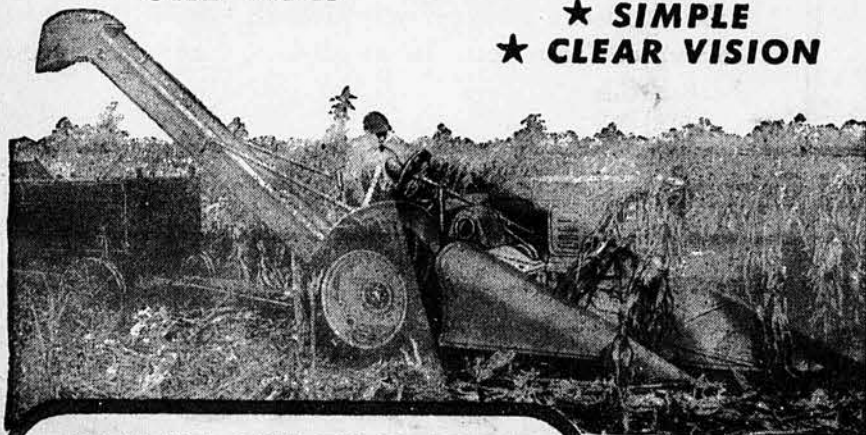
The CORN HARVESTER is simple and compact. Over four-fifths of its weight is carried on the rear tractor wheels, giving extra traction for muddy fields.

ATTACHED IN 30 MINUTES

OR LESS BY

**ONE MAN**

★ SAFE  
★ SIMPLE  
★ CLEAR VISION



**ALLIS-CHALMERS**  
TRACTOR DIVISION • MILWAUKEE 1, U. S. A.

## Why Not Sorghum Starch?

*As a Substitute It Would Help Save Corn*

**P**RODUCTION of industrial starch from grain sorghums assumes added importance this year. Corn crop estimates are below the number of bushels needed to maintain meat production at the present annual per capita rate of consumption. And corn still is the greatest contributor to industrial starch, a necessary item in our economic life.

To promote the use of grain sorghum starch the Kansas Industrial Development Commission has made a grant of \$30,000 to Kansas State College, Manhattan. It is the greatest single contribution made by the commission out of a total of \$84,000 to be used for research to stimulate industrial growth in the state, and to promote Kansas agriculture.

Objects of the sorghum starch project are to improve present methods of sorghum starch manufacturing or the invention of new methods. Knowledge gained will be made available to Kansas industry as well as to those who purchase Kansas agricultural products.

Today, starch plays an important role in the manufacture of hundreds of familiar, everyday articles. Included are the window shade, the back of the carpet, the furniture glue in the office desk, the books and papers on the desk, the paste that holds paper on the wall, clothing worn by every member of the family, and perhaps even the dynamite that blasts out railroad tunnels and bridge sites. Besides that corn is necessary for many of our foods and cooking compounds.

It is estimated that between 80 and 85 per cent of the total annual corn crop never leaves the farm but is fed to livestock. But on an average some 500,000,000 bushels a year reach the big terminal markets. Of this total, the corn wet-milling industry absorbs nearly one-quarter. The corn refining industry used nearly 36½ million bushels in 1906. Since then it has grown gradually until it used 130½ million in 1942. In 1945 the industry used 119 million bushels of corn.

In that span of years something else happened to corn production, and more efficient methods of feeding livestock were learned.

In 1900 there were 95 million acres in corn in the nation that produced 2,662,000,000 bushels. Last year the nation had 88,718,000 acres in corn and produced 3,288,000,000 bushels, a record crop. Much of this ability to produce more corn from less acreage is due to extensive planting of heavily yielding strains of hybrid corn.

At the same time we have learned to economize on feed for the production of meat. Early in the century it was quite common to feed hogs up to 300 and 400 pounds. Cattle often were fed 3 and 4 years before going to market. It was found to be more efficient to fatten hogs at lighter weights and to have cattle ready for market after one year, seldom more than 2 years.

But we are faced this year with the prospect of a crop that will be down to 2,437,000,000 bushels. And it is estimated that a crop of 2,850,000,000 bushels is necessary to maintain meat production at the present per capita average consumption of 155 pounds. But this year's crop should be sufficient to hold per capita supplies at least 10

pounds above the prewar average of 126 pounds.

That is why the production of industrial starch from grain sorghums is doubly important today. Its widespread use would save only a small amount of the total corn crop. But every bushel saved would leave another bushel for meat production or foods made from corn.

## Wheat Aids 4-H Camp

Proceeds from wheat given to the state 4-H Club camp fund thru the county wheat festivals will be used for the first phase of a three-fold development program at Rock Springs Ranch, according to J. Harold Johnson, state 4-H Club leader, Kansas State College, Manhattan.

Fundamental groundwork at the camp site includes improvement of roads, bridges, culverts, and parking areas; construction of a dam and lake improvement; sewage disposal system, and water lines. Buildings that are planned as soon as funds permit are dining hall, kitchen, cook's quarters, health center, and caretaker's quarters.

Another part of the early development program is construction of a swimming pool and bathhouse, and building a sports center with baseball diamonds, tennis, and volley-ball courts.

"Reno county," Mr. Johnson informs, "leads the state with a 6,000-bushel goal set for donation to the camp. Only 500 bushels behind comes Sumner county, where the committee has pledged 5,500 bushels. Five thousand bushel counties include McPherson, Barton, Ford, Sherman, and Thomas, with Rawlins agreed to give 4,700 bushels. In the 4,000-bushel class are Stafford, Pawnee, Cheyenne, Rush, Harper, Dickinson, Kingman, and Rice counties."

## Loss From Hessian Fly

A survey of 1947 wheat losses from Hessian fly, by Dr. E. G. Kelly, extension entomologist, Kansas State College, shows widespread damage in the north central and central sections of the state. Infestation exceeded that of 1946, but was not so noticeable because of the record size of the crop.

"Individual losses, however," Doctor Kelly says, "were keenly felt and occurred, in most cases, where measures of control had been neglected. For the first time since the 30's, an outbreak of the fly was suffered in Cheyenne, Sherman, Rawlins, and Thomas counties. Norton and Phillips also lost considerable wheat to the fly."

"The counties hardest hit were Marion, Harvey, and the western part of Butler and Chase, but nearly every county from Jewell to Marshall and extending south as far as Pratt reported severe damage."

Doctor Kelly emphasized the importance of early plowing; destroying all volunteer wheat as soon as it sprouts, especially immediately before seeding time; planting wheat on or after the fly-free date or at a time recommended by the county agricultural agent; co-operating with all other farmers in the community in all fly-control practices; and planting resistant varieties, such as Pawnee, when adapted.

## See It at the State Fair



**NEW AT THE FAIR:** This is Allis-Chalmers' new Roto-Baler, one-man machine that ties cylindrical bales with ordinary binder twine.



# AMAZING FACTS

## about a modern washday miracle!

### IT'S *TIDE*

**Procter & Gamble's brand-new discovery!**

Discovered as a result of wartime research, Tide washes clothes cleaner than any soap, yet leaves colors brighter! Just wait till you see your first Tide wash! And wait till you see Tide's miracle suds! They billow up instantly even in *hardest* water... they *look* and *feel* completely different! Only Tide can make all these promises:



#### 1. Washes clothes cleaner!

Yes, cleaner than any soap made! *Everything* comes cleaner with Tide—even heavily soiled work clothes! Tide leaves clothes free, not only from ordinary dirt, but from gray, dingy soap film as well.

#### 2. Actually brightens colors!

Tide is not only *safe* for dainty washable colors, but it actually *brightens* soap-dulled colors. Brightness perks up like magic as Tide makes dulling soap film disappear!



#### 3. Never "yellows" white things!

Tide never turns them yellow! Shirts, sheets, pillowcases, stay *dazzling* white, week after week!

#### 4. Gives more suds—

*Prove it in your dishpan!*



Kind-to-hands suds! Longer-lasting suds than any soap in *hardest* water! Tide cuts grease like magic... washes dishes cleaner than any soap! No scum in the water! No cloudy film! Dishes and glasses rinse, dry *sparkling* clear!

#### EXTRA miracles in hard water!

Tide's performance in hard water is so amazing, you have to *see* it to believe it! Oceans of rich, long-lasting suds billow up instantly—even in *hardest* water. No water softener needed—Tide does it all!



## TIDE'S IN—DIRT'S OUT!

TIDE IS A WONDER FOR CLEANING MILKING UTENSILS, TOO... QUICK! EASY! NO SCUM OR MILKSTONE!



## A Family that Raises Champions

Ralph Farwell and family operate the 260-acre Parkfield Farm, Toluca, Ill., where championship Hampshire hogs are raised. Owned by Rev. F. Alvin Park of Bartonville, Ill.



COMPREST, developed by Mr. and Mrs. Farwell, won the 1946 Illinois Grand Championship and was later judged All-American Hampshire boar of the year.

### Earns High Income with Good Livestock and Good Cropping Methods

"Take good care of your land and livestock, and they'll take good care of you." That's Ralph Farwell's motto—and it has paid him well.

Ten years ago, the Parkfield Farm was poorly fenced. Very little livestock was raised and the fields were

over-cropped. As a result, crop yields were low — corn averaged less than 50 bushels. Needless to say, the farm made a poor return for the tenant and owner.

But after cross-fencing the farm, stocking it heavily and bringing legume pasture into the rotation, crop yields began to improve. Last year, corn averaged 88 bushels per acre. And the farm now supports a highly profitable livestock enterprise besides. *Good fences made this possible.*

### "Well Pleased with RED BRAND Fence"

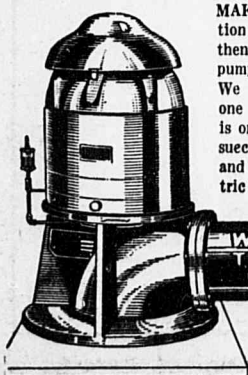
Ralph Farwell says: "We have had good service out of Red Brand fence. It keeps from rusting longer and requires fewer repairs. That's why more than 3 miles of the fence on this farm is Red Brand."

KEYSTONE STEEL & WIRE CO., Peoria 7, Ill.

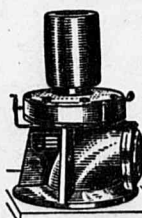


## IRRIGATION Can Double Crop Yields!

MAKE YOUR PLANS NOW. Your WESTERN Pump installation cannot be had on a few days' notice. We drill your test, then engineer the pump expressly for the conditions found. A pump testing laboratory is necessary for accurate engineering. We have a laboratory — recognized by irrigation experts as one of the most modernly equipped in the entire U. S. That is one of the reasons why WESTERN Pumps are so outstandingly successful. WESTERN service is complete. We drill your well and install your pump and also your power plant, either electric motor or gas engine, completely ready to operate.



Furnished with either Direct Connected Electric Motor, Flat or V Belt Drive, or Right Angle Gear Head Drive.



Write today for free Catalog and full particulars.

WESTERN LAND ROLLER CO.  
Dept. 121  
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## News to You?

A towel within easy reach and a low mirror may inspire the youngsters to keep cleaner.

Butcher paper or ice-cream cartons are not the thing in which to wrap meat for freezing. Cellophane is excellent.

Food values are lost when vegetables and fruits are prepared long before they are to be eaten. Leave them for last-minute preparation.

A good kettle will stand steady even when empty. Buy those with straight sides and a flat bottom—and a cover. Extra covers may be difficult to find.

Feather comforters can be made from old feather beds if the feathers are in good condition. Some mattress factories will make them or they may be made at home. First, clean the feathers.

Use leftover egg yolks for that meat loaf you are going to serve for today's dinner. They make a grand binder.

When making curtains, make the 2 sides exactly alike—then they may be exchanged right and left, hence will last longer. If both top and bottom hems are the same they may be hung upside down half the time.

When planning the new bathroom, consider a grab rail around the tub—it may save a serious fall. It is especially valuable for aged people.

### Jobs for Soda

There are some special uses for soda for which there apparently is no substitute. Soda helps soften food that has scorched on enamelware or glass. Ordinary cleaning powders are much too abrasive for this purpose. Fill the scorched utensil with water, add a teaspoon of soda and allow it to soak for an hour or two. Then heat the water, gradually loosening the food with a wooden spoon.

For any stains on china, pottery or glass rub the stain with a damp cloth dipped in dry soda. Be careful to avoid rubbing any gilt decorations on china.

An inexpensive method for cleaning silver makes use of soda. For the busy homemaker, this method is a great timesaver. Fill an aluminum kettle, the dishpan will do, with hot water. Add salt and soda, a teaspoon of each to every quart of water. Bring the water to a boil, lay the silver in and boil for not more than 2 or 3 minutes. Remove and wash as usual.

### Alphabet Quiz Fun

All questions are answered by letters of the alphabet.

1. A horse turns left on hearing "haw." What letter turns him right?
2. What letter is a bird of blue?
3. And what do Orientals wear that dangles down their backs?
4. What letter is a beverage and which one stands for winning?
5. A buzzing insect often stings but gives us healthful sweetening?
6. A pod contains a food we eat, it's green and often tender?
7. A river in northern Scotland and rhymes with Lee, another letter.

Answers:  
1. g—gee 2. j—jay 3. q—queue 4. t—tea and v for victory 5. b—bee 6. p—pea 7. d—Dee.

### Sees Full Meals

From a standpoint of nutrition, the United States will be better off this year than in the prewar years of 1935-1939, states Georgiana Smurthwaite, Kansas State College home demonstration leader.

"This year," Miss Smurthwaite points out, "there will be more beef, canned fish, sugar, canned fruits and fruit juices, dry beans, cereal products, butter, and spices. There will be less lamb and mutton, dried fruit, perhaps smaller quantities of fresh vegetables and fruits and total milk products."

Supplies that probably will be about the same this year as last include pork, fresh and frozen fish, cheese, processed vegetables, poultry, and potatoes.

### Helpful Hints

Emery cloth gives one a better grip for unscrewing jar tops, puts an edge on kitchen knives, and will remove stains from metal portions of stove.



"Good health means more fun," says Mary Lou Jacocks of Zachary, La. She *knows*, being Louisiana Health Champion. Named a national champ at Chicago, 1947. Feeling fit means she has more fun swimming and dancing. More fun at her favorite hobby: collecting unusual salt and pepper shakers.

Has fun at breakfast, too. Usually has Wheaties. "It's Mary Lou's favorite breakfast cereal," Mrs. Jacocks tells us. "And I approve. Wheaties must be really nourishing. I'm told these flakes contain the vitamins and minerals of good whole wheat."

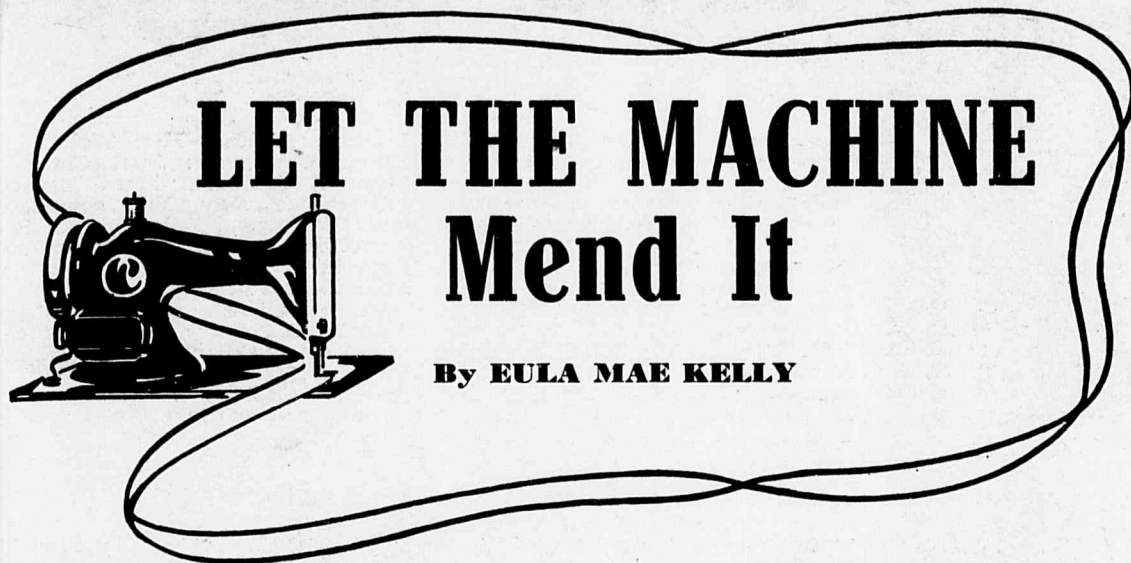
Why miss out on a good thing? Spoon into a big bowl of Wheaties, with milk and fruit. Sweet flavored, golden toasted flakes. Good? Second-helping good! Wheaties, "Breakfast of Champions."

General Mills



**FAVORITE** Seen the new, larger box of America's favorite whole wheat flakes? 50% more Wheaties in the Extra-Big-Pak. Favorite size of the farm-size family. Get Wheaties! "Breakfast of Champions."





**A**RE you taking advantage of machine mending to make that family mending pile disappear? Miss Naomi Johnson, extension specialist in clothing and textiles, Kansas State College, suggests that you seat yourself before the sewing machine with patching materials, thread, and sharp scissors and see how quickly you can make that weekly stack of odds and ends melt into nothing!

Of course, you may still want to hand darn and mend better clothing, but for the bulk of the mending the children's things and everyday clothes, do get wise to the magic of machine mending. Whether it is a fresh break in a bed sheet, a worn spot in a work shirt, or a big gash in junior's overalls, there is a speedy way to mend it by machine. Machine-made darns and patches may be a trifle more conspicuous but they make up for appearance in durability and timesaving.

To darn small holes, snags, and worn places by machine, use cotton thread or fine mercerized thread which matches the color of the garment, or better, is slightly darker. Adjust the length of the stitch to match the cloth. The firmer the weave, the shorter the stitch. To darn on the machine loosen the thumbscrew on the top of the machine to release the pressure on the presser foot.

Screw high enough so the cloth to be mended can be moved back and forth when stitching. Stitch across the place to be darned, pulling the material slowly backward and forward, and move from side to side with both hands. Follow the grain of the material, or stitch on the diagonal if the fabric has a twill weave. To hold the cloth smooth during darning, an embroidery hoop may be used, or tissue paper may be basted underneath. The paper will wash out when the garment is laundered.

If you have a machine that reverses its stitch, let the machine feed the fabric. You need to guide the material and by moving the lever to reverse direction of feeding and stitching the material, your darning will be kept very even in the mending stitch.

However, if your machine does not have the reverse stitch, you will find it takes careful movement of the material to get even stitching. After a few trials and a little practice, tho, you will be delighted with the quick, durable mends you can make.

Darns will be even stronger if reinforced underneath. For this reinforcement, baste a soft or thin piece of fabric of matching color under the place to be darned before cutting it into the machine.

Such preventive darning has wide application, and if done promptly will save many a patch later on. Besides being applicable to a great variety of

outer garments it lends itself well to knit underwear, washcloths and bath towels, bed linens, and brassieres. It can be used successfully on 2-way stretch undergarments if the tension is loosened on an ordinary machine, or the stitch lengthened on a machine with a reverse stitch.

Suppose a bath towel has started to fray along the selvage, stitch back and forth with mercerized thread along this edge. The mercerized thread buries itself in the terry cloth and makes itself practically invisible. What you are doing is actually making a new selvage on the towel that will lengthen its life by months.

Worn places in lingerie respond well to machine mending. Net or lace wears longer if you machine-stitch back and forth over torn or worn places. If broken places are large, baste to a piece of net footing, then stitch by machine.

## The School Bus Takes My Youngest

The school bus stopped a while ago and picked him up;  
He climbed aboard as proud as Punch—and left his pup  
And me disconsolate. Before, I always had  
A baby left—a smaller girl, a younger lad—  
But now the littlest one is gone and all the place  
Has suddenly become so still I cannot face  
The empty house indoors. I'm glad for rake and hoe,  
For pruning shears, for flowers to tend. I'd like to know  
What city mothers do, without some garden tool  
To comfort them on Baby's first long day at school.  
—Author Unknown

If a button has been torn out leaving no place on which to sew it back, stitch back and forth over the torn place until a firm footing is provided on which to anchor the button again.

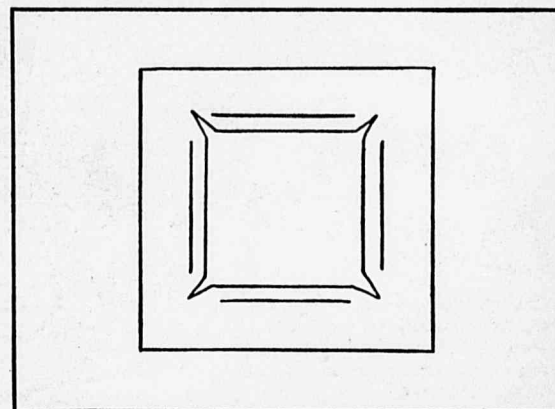
First, cut out the torn spot to make a circular hole. Lay a matched piece of fabric under the hole, then baste it into place. On the right side, stitch by machine back and forth over the cut edge of the material until it is firm and strong—with no rough edges. Trim away any extra material on the underside so that the patch will not be bulky.

A second widely used machine patch is the overall patch, so named because of its popularity as a mend for overalls. Easily done, neat, durable, it is the perfect patch for aprons, house dresses, children's apparel, and work clothes.

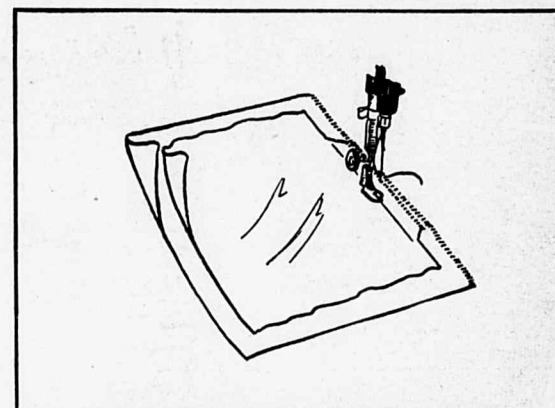
First trim the hole back to firm material, cutting straight edges on the warp and filling yarns with true right angles at the corners. Miter the corners by slashing diagonally to a three-eighths inch seam allowance as shown in Figure A. Crease seams on all four sides to mitered corners. If patching an overall, turn the leg wrong side out. Then place a piece of matched denim right side up on the machine with a warp edge under the foot as shown in Figure B. Make no attempt to cut the size of the patch, but see that the two sides of patching material joining at a corner are trimmed to a straight edge.

Match one side, a warp edge of the trimmed hole to the patch piece. The stitching is done on the wrong side of the garment. Begin to sew in the center length of one side to a mitered corner. Leaving the needle down, raise the foot and pivot the garment and patch around to the next side. Continue for the other sides. When the seam is finished, lap the stitching for one inch and stitch out to the edge as in Figure C.

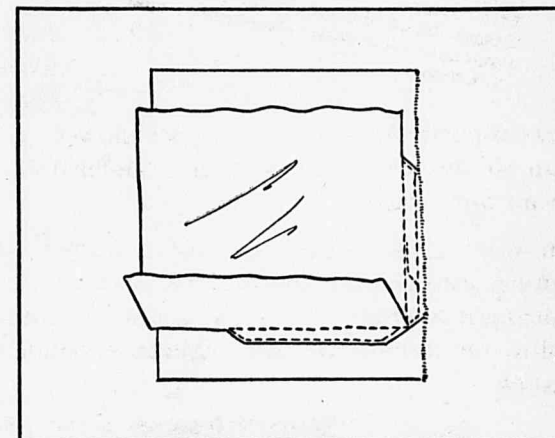
Stitch the edge of the seam, stitching diagonally across the corners so the second stitching comes just inside the first stitching as illustrated in Figure D. Be sure that the corners are made secure so they will be smooth and without holes. Trim away the patch except at the corners. They are left square to hold the patch securely in place.



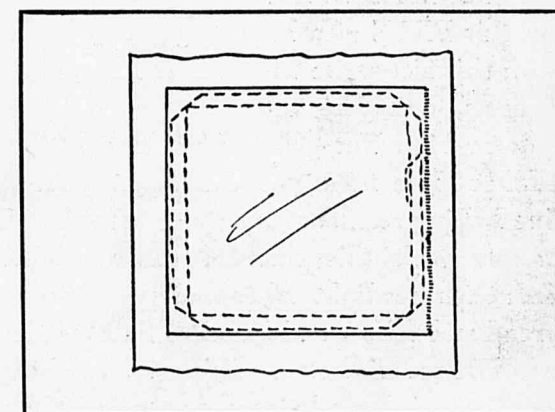
Cut straight edges around the hole and miter the corners. Crease edges back.



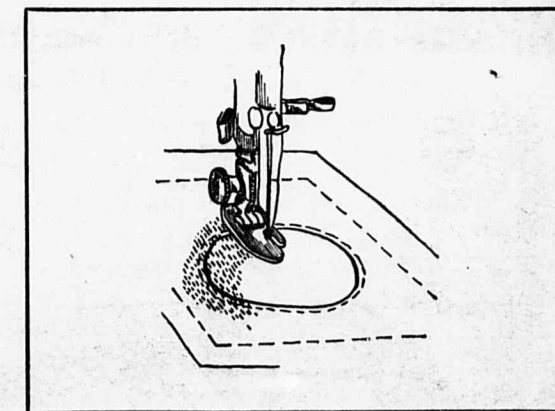
Place a piece of matched material right side up with the warp edge under the machine foot.



When seam is finished, lap stitching for one inch and stitch out to edge.



Stitch the edge of seam, diagonally across corners so that the second stitching is inside the first.



The machine makes a quicker and stronger patch than one made by hand.



The sewing machine is the latest advance for darning and patching.



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## Master Farm Homemaker

### Goes to Amsterdam Conference

MRS. ORVILLE BURTIS, Manhattan, newly selected by Kansas Farmer as one of 6 Master Farm Homemakers for 1947, is en route to Amsterdam, Holland, to attend the meeting of the Associated Country Women of the World.

Mrs. Burtis with 11 other Kansas women and representatives from all other states, sailed on the Queen Mary from New York, August 27. Other Kansas women who have joined the group are: Mrs. R. E. Mehl, Kinsley; Mrs. Edward Oeser, Clafin; Mrs. C. C. Cunningham, El Dorado; Mrs. L. S.

Leckron, Abilene; Mrs. Walter W. Krone, Cherryvale; Mrs. Christina Shriwise, Hoisington; Mabel Thomas, Independence; Donna Hunt, home demonstration agent, Independence; Roberta Bonde, Independence; Mrs. H. A. Opdycke, Russell; Mrs. Daisy McMullen, Great Bend.

The last triennial conference of the Associated Country Women of the World was held in London in 1939. Eighteen Kansas women attended that year. The meetings were discontinued at that time due to European conditions.

## For Fall Entertainment

FOR fall entertainment, a coon hunt will be appropriate. To play the game select a leader, who then chooses a boy or girl to be the hound. All other players are trees and raccoons. The trees are formed of 5 or 6 players standing in a circle without holding hands. Inside each circle of players there is a boy or girl chosen to be the raccoon. Whenever the hound howls "Ou-ou," all coons must leave their circles (hollow trees) and scamper to the next hollow tree. In other words, the raccoons must exchange places. If the hound catches a raccoon in the shuffle, they exchange places. The hound

may howl 3 times if he has not caught a raccoon, then he can exchange places with any tree.

After 3 players have taken the part of the hound, have all the raccoons and trees exchange places if they like. The trees may want a bit of action and the raccoons tire of being chased from one hollow tree to another.

This is a fine game for a large crowd out-of-doors and indoors if there is plenty of space. Six or 7 may play it anywhere by having the hound chase the raccoon around the tree once before the raccoon is allowed to enter the circle.

## Salads For All Occasions

WARM weather means salad time. The freshness of fruit and vegetable combinations makes a strong appeal to the heat-weary homemaker, not only because they are appetizing but because they can be tossed together at the last moment or prepared ahead of time in the cool of the morning.

Salads may be varied to fit any occasion, made from either greens that come from the garden or the store. Here are salad combinations, vegetable, fruit and meats that add to your salad repertoire. First for the vegetable combinations:

1. Chopped carrot, celery and apple in lime gelatin.
2. Shredded cabbage, marinated chopped beets, diced cheese.
3. Potatoes, crisp bacon, hard-cooked eggs, pickles and onion.
4. Raw spinach with bacon dressing.
5. Raw cauliflower, carrots, lettuce, radishes and nuts.
6. Tomato aspic ring with potato salad center.

Fruit salads are inviting when garnished with lettuce or other crisp salad greens. Here are some suggested combinations of fruit:

1. Prunes cut in small pieces, nuts and grated carrots.
2. Bananas halved, rolled in dressing and then in ground nuts.
3. Orange slices on watercress garnished with seedless white grapes.
4. Crushed pineapple and cottage cheese in lemon gelatin.
5. Pineapple, almonds, cabbage and marshmallows.

6. Apples diced, with chopped celery and dates.

Hearty salads made with meat and fish combinations, accompanied by hot muffins, a cool drink and a dessert make an excellent hot-weather meal. Here are suggestions:

1. Diced cooked ham, celery, pickles and mayonnaise.
2. Two cups salmon, tuna, shrimp, 1 cup celery, tart apple or cabbage cut fine with chopped green pepper or olives.
3. Chicken, apples, cabbage and nuts with cooked dressing.
4. Cold cooked meat, celery, peas and hard-cooked egg with Russian dressing.
5. Roast beef cut fine, radishes, onions and potatoes with horseradish dressing.
6. Tuna fish, peas, shell macaroni, lettuce, hard-cooked egg with French or mayonnaise dressing.

Delicious salad combinations can be concocted using cheese, eggs and beans. Among them are the following:

1. Cream cheese balls with sliced pineapple, half of peaches, pears or apricots.
2. Red or Mexican beans, onions, pickles and cabbage with mayonnaise.
3. Stuffed eggs with green peppers.
4. Cottage cheese with tomato or green pepper or Spanish onion.
5. Deviled eggs and lettuce.
6. Green pepper stuffed with cheese, chilled and sliced.

Salad platters may be arranged for suppers for parties, even gala occasions.



Even if the weather is warm, good substantial salads make welcome meals. Here is one made of frankfurters, potato salad, hard-cooked eggs, radishes and your favorite dressing.



# First For Fall



**4919**—Princess frock for all-day, all-play wear. Sizes 2 to 10. Size 6 requires 1½ yards of 35-inch material; ¾ yard contrast material.

**4909**—A slim frock with a dart-fitted waist, soft full skirt. Comes in sizes 34 to 52. Size 36 with longer sleeve requires 3½ yards of 39-inch material.

**4524**—Blouse and jumper duet that comes in sizes 11 to 17. Size 13 jumper requires 2½ yards of 35-inch material; blouse 1¼ yards.

**9379**—Just 4 main pieces to this slimming frock. Comes in sizes 12 to 20. Size 16 requires 3 yards of 39-inch material; ¾ yard of contrast material.



7097

requires 3 yards of 39-inch material; ¾ yard of contrast material.

**7097**—Suitable for gift sets. Transfer of 6 motifs 6 by 8 inches.

**7342**—Crochet this lovely design for either dining table or buffet. Pattern has charts; direction for 2 squares.

**7453**—A combination of embroidery and crochet. Transfer of two 5- by 15½-inch motifs; one 6½ by 20 inches. Crochet directions included.



7453

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



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Your birds can give you extra eggs this year . . . and extra egg money . . . if you feed them a rich, nutritious laying feed like Gooch's Best! Carefully made to balance your farm grains with vitamins, minerals and proteins . . . Gooch's Best Laying Feeds help your layers reach and maintain top egg production all winter. If your hens are bred to lay an egg a day . . . Gooch's Best will help them do it!

Gooch's Best Laying Feeds are packed in attractive Dress Print sacks. No ink to scrub out with Gooch's easily removed paper label!

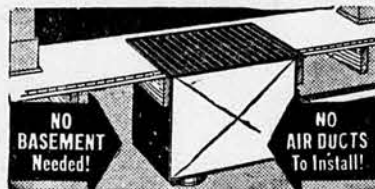


# GOOCH'S BEST LAYING FEEDS



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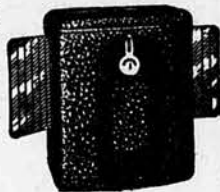
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Automatic "Warm Floor" heating from low-cost oil. No work - no dirt - no ashes or fuel to carry - no fire tending. No space wasted; furnace sets in floor. Easy to install. Cozy - safe - thrifty. Come in and see it TODAY.

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### New Coleman Oil Water Heater

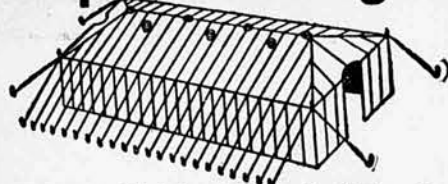
All the hot water you want, day and night, for every home and farm need - AUTOMATICALLY - with this great Coleman Oil Water Heater. Sizes for every family - 30, 44 or 55 gallons of piping hot water every hour. Burns same low cost oil as furnaces. Handsome; requires little space. It's here - NOW.

**FARMERS: See or Phone Your Nearest Coleman Oil Dealer**

The Home Appliance Co., Division of Siebert and Willis, Inc., of Wichita, Wholesale Distributors in Central and Western Kansas, for famous makes of Appliances,

invites you to visit their exhibit at the Kansas State Fair, Hutchinson, September 14-19, and see the newest in Home Appliances—Coleman Floor Furnaces, Water Heaters and Space Heaters—Servel Gas Refrigerator—Deep Freeze—Chambers Gas Range—Vornado Fan—Majestic Radios—Presteline Electric Range—Myers Water Systems—Moore's Gas Ranges and Radiant Circulators—Sta-Rite Water Systems—Homegas Tanks.

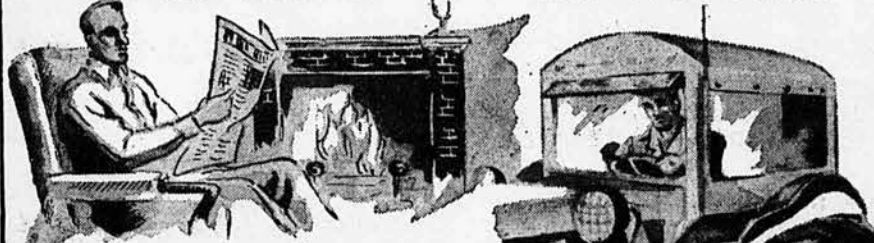
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Hydraulic Dump Rake ( ), Automatic 2,4-D ( ).

## Is There a Cure for T. B.?

By CHARLES H. LERRIGO, M. D.

AT THE big meeting of Tuberculosis specialists held at San Francisco in June half of the important papers and critical discussions dealt with the vital question, "Is Streptomycin a Cure for Tuberculosis?"

As one who sat thru many of the sessions, I would say that the answer is "Not yet." Some doctors who have used the drug for definite complications of tuberculosis were enthusiastic as to results obtained in such complications. Others were disappointed. No one claimed the remedy as a cure. No one disputed its value as a remedy for certain phases. All were agreed that Streptomycin is an agent to be developed further.

You see it is tremendously important to get a real cure for tuberculosis. Of recent years the Sulfa drugs gave much promise in tuberculosis work; but they were abandoned as too radical—even poisonous if pushed to extreme. Penicillin gave hope at first; but in tuberculosis it was a failure. Now comes Streptomycin. Physicians' hopes are high but they do not believe there will ever be a panacea for T. B.

### To Make Things Easier

Tuberculosis has never been conquered by any one drug though hundreds have been tried. It is true that good doctors use drugs in their treatment of the disease, but such medicines are used to make things easier and brighter for the patient as he struggles onward to build the bodily resistance by which he cures himself.

If the disease were Pellagra, for example, they would know that by giving certain vitamins a cure might be expected. If it were Undulant Fever they would use a specific serum. If it were a venereal disease, they would expect great things from Penicillin. But so far as such definite treatment for Tuberculosis is concerned, the day has not yet come, and altho doctors hope great things from Streptomycin, it is folly for any patient to urge its use by a physician because tuberculosis has been diagnosed, unless the doctor sees particular indications for its use. Streptomycin is still a very costly remedy but that would be no reason against its use when there is definite assurance that the outcome will be favorable.

I have spells of indigestion with severe colicky pain. When I feel one coming I shut off all food, and rest. What else can I do?  
C. S.

You don't tell me enough about yourself. I should know age, weight, height, social condition and employment, in every case. Your treatment of shutting off food at the approach of the attack is good, and to recover from the nervous shock resulting there is nothing

like rest. Perhaps you have some bad teeth, chronic constipation, or something of that nature, but you leave too much to guesswork.

I have gone blind in my left eye. A specialist said I have cataract, but not to have it touched so long as the sight is good in the other eye. Others differ.  
S. R. J.

When cataract comes it usually affects both eyes, but one more than the other. In general, the common-sense plan is to operate the more advanced eye so that it will be giving useful vision if the other one also becomes obscured. The only exception would be if an oculist of exceptional skill found by examinations that there were special reasons against operating.

F. M. You are a growing boy. You should sleep 9 hours every night in fresh air. You should eat well but slowly. And you should do your work without strain. Don't try to do a man's work yet. You are too young and your tissues are unformed.

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

### These Need Attention

Disease control and more complete utilization of milk and milk by-products are problems that need immediate attention, according to the Dairy Advisory Committee. The committee suggests these lines of work to be done under the Research and Marketing Act of 1946.

The order of importance for research on production is listed as follows: Better health in dairy cattle, with emphasis on more effective control of Bang's disease and mastitis; dairy cattle breeding, especially artificial insemination and wider use of proved sires; and animal nutrition and feeding. In this connection the committee emphasizes the need to develop facilities and harvesting methods that will retain the highest possible nutrition in forage.

With respect to marketing the report lists the following items in order of importance: More complete utilization of milk by-products as food for humans; organization of markets and merchandising; disposal of waste water from dairy plants; improved price reporting and price quotations from terminal markets; seasonal variations in milk production; studies as to consumer preference and how dairy products are used in the home; methods of price determination as applied to Federal milk marketing orders; and effect of local, state and Federal regulations on the structure and operation of fluid milk markets.

A general recommendation by the committee is the need for improvement in quality of dairy products. Educational work is needed just as much as research to cope with problems of the industry, the committee stated.

## This Sumac Gave Up



The answer to sumac and buckbrush in pastures may be 2,4-D. County Agent Howard Myers, Wabaunsee, puts his foot against some sumac sprayed a year ago. It is easily pushed over. This small patch is on the Ed Richter farm, near Alma. It was sprayed in July, 1946, at a cost of between \$3 and \$4 an acre. Only 10 to 15 per cent undergrowth appeared this year. The brush will be knocked down this winter by dragging a railroad iron across it. Then another light spraying in spring will put it under control. Nearly 1,000 acres of brush were sprayed this year in Wabaunsee county for 25 farmers.



## What "Vets" Talked About

In Their Annual Convention at Cincinnati

**F**ORTY years of history-making achievements in the fight against livestock disease and its dangers to human health were described in dramatic fashion at the 84th annual convention of the American Veterinary Medical Association held in Cincinnati, Ohio.

Dr. J. A. Barger, of Des Moines, Iowa, associated with the Federal bureau of animal industry, told the story of "Four Decades of Veterinary Progress."

He compared the fight against animal disease to a vast reclamation project. "Forty years ago," he said, "there were whole Southern states with luxuriant pasture grasses—without any worthwhile cattle to feed on them, because of the depredations of tick fever."

"Today, in those same areas, dairy and beef cattle are great industries. The cattle tick is gone, save for a narrow strip or two along the southern border of the country."

Eradication of the cattle tick, Doctor Barger explained, was the result of a vast expenditure of labor, time and money. Cattle in 10 Southern states were dipped in a tick-destroying solution every 2 weeks for a period of several years.

Even more dramatic was the campaign that has virtually eliminated tuberculosis—a task that involved 300,000,000 biological tests and the slaughter of 4,000,000 cattle.

Early in the campaign, the speaker said, almost a million cattle in a single state reacted to the tuberculin test and were slaughtered. "Whole hospital wards were once devoted to the treatment of children suffering mostly from tuberculosis of bovine origin."

Federal meat inspection records were quoted to show that 220,000 cattle were "retained for tuberculosis on the regular kill" in 1917. Last year, only 17,000 cattle were "retained" for that reason.

Glanders, dourine, sheep and cattle scab, swine tuberculosis and hog cholera were cited as other livestock ills against which historic gains have been made in the last 40 years.

Today, Doctor Barger said, the nation is in the midst of an equally promising drive against brucellosis in cattle and swine. "No one has all the answers to the problems of brucellosis," he said, "but we have come a long way." The brucellosis campaign includes vaccination, blood testing and sanitary measures.

The speaker contrasted the status of veterinary science in the early 1900's with its present stature as a further illustration of progress.

"With meager equipment and limited sources of information, the earlier workers in veterinary research made discoveries and established principles upon which much of our disease control work today is based," he said.

"Now," he added, "we have sort of grown up. Each state, and many commercial firms, have research institutions where earnest workers find new and better weapons against disease in livestock."

"Many states provide funds to employ practicing veterinarians in large projects of disease control. Larger support funds for research have been granted by the states and the national government. Livestock and consumer interests have come to know the real and potential value of the practicing veterinarians."

### Worst Cattle Disease

Greatest disease threat to cattle production in America is brucellosis, the convention was advised. "Brucellosis now stands out as the most important cattle disease in 3 respects:

"(1) Increasing prevalence of the disease; (2) difficulty of control—due to the fact that sound principles of herd management and sanitation must be combined with an intelligent vaccination program; and (3) danger to the health of mankind."

A steady increase in the number of cases of brucellosis in man was reported, with the highest incidence among packinghouse workers, male farm workers and veterinarians.

"Public health agencies recognize the importance of brucellosis and are preparing for a vigorous campaign," the committee said. "The veterinary profession is in the best position to lead any brucellosis campaign and attack

the disease at its source," it was said.

Other highlights of the committee's report on cattle ailments included:

Shipping fever, the No. 1 disease of feeder stock, is probably closely linked to the pneumonia rate among cattle and hogs in packing centers.

Losses from calf scours and pneumonia continue excessively high—too often due to "makeshift" methods of housing and feeding calves.

Mastitis still ranks as one of the biggest problems of the dairy industry, despite the increasing use of penicillin to treat the disease.

Anaplasmosis is being reported in new territory every year and is rapidly becoming a disease of major importance.

Several states have reported an increase in tuberculosis of cattle in the last year.

Scabies (itch) of cattle is prevalent in several New England and western states; a 3-year campaign may be necessary to clean up some range herds.

### Blood Test Will Tell

In livestock as well as in humans, blood testing now has been accepted in court as a valid means of identifying the father or mother of a disputed "child," Dr. L. C. Ferguson, of Ohio State University, reported at the convention.

Furthermore, he predicted, scientific blood testing may yet play an important part in breeding cattle for greater milk production and resistance to disease.

Doctor Ferguson told how years of research have made it possible to test the blood of cattle for the presence or absence of 30 different cell characteristics.

Because a calf can possess a particular characteristic only if the blood of one or both of the parents contains it, the results of these blood tests already can be used to identify the sire or dam of a calf.

Further research, he said, may establish a "definite association" between the blood cell patterns and an animal's meat- and milk-producing qualities. In that event, blood testing could have a vital effect on methods of breeding.

### A Good Record

Positive diagnosis of Newcastle disease in poultry still depends on laboratory tests—but veterinarians are making "considerable progress" in diagnosing the disease in field practice.

This commendation was given to members of the American Veterinary Medical Association in convention, by two government authorities—Drs. O. L. Osteen and W. A. Anderson, of the U. S. Bureau of Animal Industry.

Of the serum samples received at the Government laboratories from "clinically diagnosed" cases, more than 50 per cent have been confirmed by laboratory methods as being Newcastle disease, these authorities reported.

### Aids in Cholera

A 2-year series of experiments has proved sulfathiazole to be a valuable aid in the control of fowl cholera, the American Veterinary Medical Association was told at its convention.

Dr. H. M. DeVolt, of College Park, Md., described the experiments, in which a total of 320 chickens in 6 different groups were used.

When sulfathiazole was administered in the feed, 48 hours before experimental infection of chickens, a "highly significant" difference in death rate was observed between the medicated birds and those which did not receive the drug.

### Feed Livestock Better

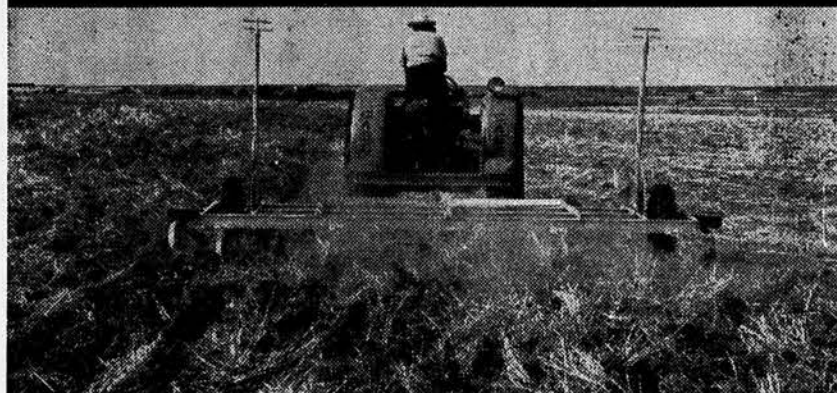
Products formerly "thrown out with the garbage" in America's food processing factories are now being used to good advantage in feeding livestock for higher market returns.

The nutrition committee of the American Veterinary Medical Association called attention to this development in a report prepared for the convention.

Notably, the committee reported, many new livestock feeds are being developed with the by-products of agri-

(Continued on Page 36)

## 3 Reasons why it PAYS YOU TO CHISEL YOUR SOIL with the GRAHAM PLOW



This wheat field—plowed after harvest with a one-way—is being put in shape by the Graham Plow to by-pass rainfall through the topsoil into the subsoil and prevent erosion by wind or water. Note that protective trash is left on the surface to shade the soil and enrich it from the top as Nature intended.

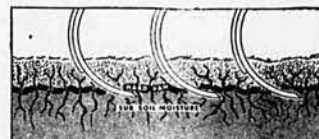
### 1 The Graham Plow Prevents Erosion

Graham Plow chisels create 6" terraces 12" apart with protective mulch left on top of the ground. Small 6" terraces with their protective cover, angled across the slope of the field, hold heavy rains—prevent wind erosion, moisture evaporation and water run-off resulting in soil erosion.



### 2 The Graham Plow Doubles Sub-Soil Moisture

Plowing the Graham way, the soil is left porous but not powdered—is parted every 12" by means of chisel furrows that crack open the hard pan so that moisture by-passes through the topsoil into the subsoil to be stored. This doubles or even triples subsoil moisture available for raising heavier crops.



### 3 The Graham Plow Cuts Costs in Half

With the Graham Plow, light draft, plus availability of a size to use your maximum tractor power cuts tractor power costs in half. And now, with the exclusive, patented Graham Knife Assembly, you can knife all weeds as you plow with your Graham Plow. Fully adjustable, knives overlap enough to cut all vegetation.



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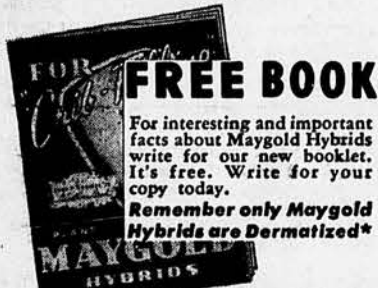
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BETTER FEEDING QUALITY  
EASY PICKING  
VIGOROUS GROWTH  
RESISTANCE TO UNFAVORABLE CONDITIONS

"Superphosphate should be applied at planting time with Fall Seeded Wheat"



One mid-western Extension Service reports that superphosphate used on fall wheat should be applied at planting time. That means NOW is time to get your supply of Simplot Red Diamond. Apply it broadcast — or preferably, drill it in with your wheat.



## Using Simplot Red Diamond

— on fall wheat promotes hardness, assists rapid, vigorous start, stimulates early root formation and growth. Ask your Simplot dealer or County Agent about applications to meet your local conditions.

Guaranteed 18% Available  $P_2O_5$ 

Simplot Fertilizer Company

Box 976

Pocatello, Idaho

## More Exhibits at Fair

Sam Mitchell, Secretary, Boasts of New Record, Hutchinson

WHILE exhibitors of agricultural products will have to take back seats for nobody at the Kansas State Fair—their 1947 show is bigger and larger than ever—the manufacturers of all sorts of equipment really will go to town this fall at the Hutchinson show.

In fact, the concerns that really have done more to make life better on the farm and in the home will be represented in larger numbers than ever before. You will recall last year, most makers of farm implements were represented with pretty fair displays. But that was about as far as it went. Most companies were reluctant to promise delivery on many items, particularly those needed to replace wornout harvesting machinery.

But it is different this year. Shortages do exist, but most companies will give purchasers a gleam of cheer as to delivery. Don't be surprised if you are promised a new plow or some other needed piece of equipment right away.

The same is true in the home-appliance field. You will find about everything on display at Hutchinson whether displayed in the agricultural building, the Industrial building or in the spacious area under the grandstand where there is a regular home-furnishing show put on by various companies.

Most of the implement and farm-supply companies are out-of-doors with individual tents as offices and display spots. And talk about numbers! Never before in the long history of the Kansas State Fair have there been so many. According to Sam Mitchell, secretary, every foot of space will have been sold before the opening day a week away. "I am sure the present list of exhibitors will be double over any previous year," he said.

Kansas Farmer has attempted to list every company represented, as well as the location of the individual exhibits. Lack of space together with the tremendous number of companies, however, has made it impossible to describe many of the various products on exhibit.

Names and addresses of various exhibitors follow:

## Farm Machinery Section

Adams Hard-Facing Co., Wakita, Okla. Hard-faced implements.  
Allis-Chalmers Mfg. Co., Racine, Wis. Complete line farm machinery.  
American Road Equipment Co., Omaha, Neb. Road machinery.  
Ann Arbor-Klughart Co., Kansas City, Mo. Hay balers, farm equipment.  
Attica Chemical Co., Attica.

Baker Mfg. Co., Hutchinson. Windmills.  
Bruce Marble & Granite Works, Fort Scott. Memorials.  
Bunte Coal Co., Hutchinson.  
Burgin Nurseries, Hutchinson.  
C & D Tractor & Equip. Co., Kansas City.  
Mo. Ferguson farm implements.  
Carson Machine & Supply Co., Great Bend. Engines, irrigation equipment, well in operation.

J. I. Case Company, Kansas City, Mo. Complete line farm implements.  
Continental Farm Machinery Co., Minneapolis, Minn. Farm equipment.  
Courtney & Slicker, Wichita. Special farm equipment.

Cupples Company, St. Louis, Mo.  
D & S Elevator Co., Enid, Okla.  
Davis Gas Turbine, Inc., Wichita.  
Deatz & Son, Hutchinson.  
John Deere Plow Co., Moline, Ill. Complete line farm equipment.

Dodson Mfg. Co., Inc., Wichita. Barn, poultry house, and building equipment, silo insulation.

A. A. Doerr Mercantile Co., Larned. Water systems, irrigation pumps, oil-burner equipment, tanks, water-well casing.

Farm Equipment Parts Co., Great Bend.  
Farmers' Service & Supply, Pratt.  
Farnam Company, Omaha, Neb. Special farm equipment.

Gleaner Harvester Corp., Independence, Mo. Combines, harvesting equipment.  
Graham-Hoeme Plow Co., Amarillo, Texas. Tillage tools, special plows.

Paul Hainke Mfg. Co., Hutchinson.  
Henry Mfg. Co., Inc., Topeka. Hydraulic farm scraper.

J. H. Hiatt Equipment Co., Gallatin, Mo. Hay machinery, bulldozing equipment.  
Hutchinson Concrete Co., Hutchinson. Concrete products.

Hutchinson Foundry & Steel Co., Hutchinson. Farm machinery.

Herman Hyatt, Hutchinson.  
Interlocking Stave Silo Co., Wichita. Silo and silo equipment.

Jacobs Wind Electric Co., Minneapolis, Minn. Wind electric generators, battery welders, appliances.

Kansas Co-operative Council, Topeka. Co-operative exhibits, distribution of literature.

K. C. Tractor & Implement Co., Kansas City, Mo. Ford tractors and farm equipment.

Kirk Bros., Inc., Hutchinson.  
Krause Plow Co., Hutchinson. One-way plows, farm equipment.

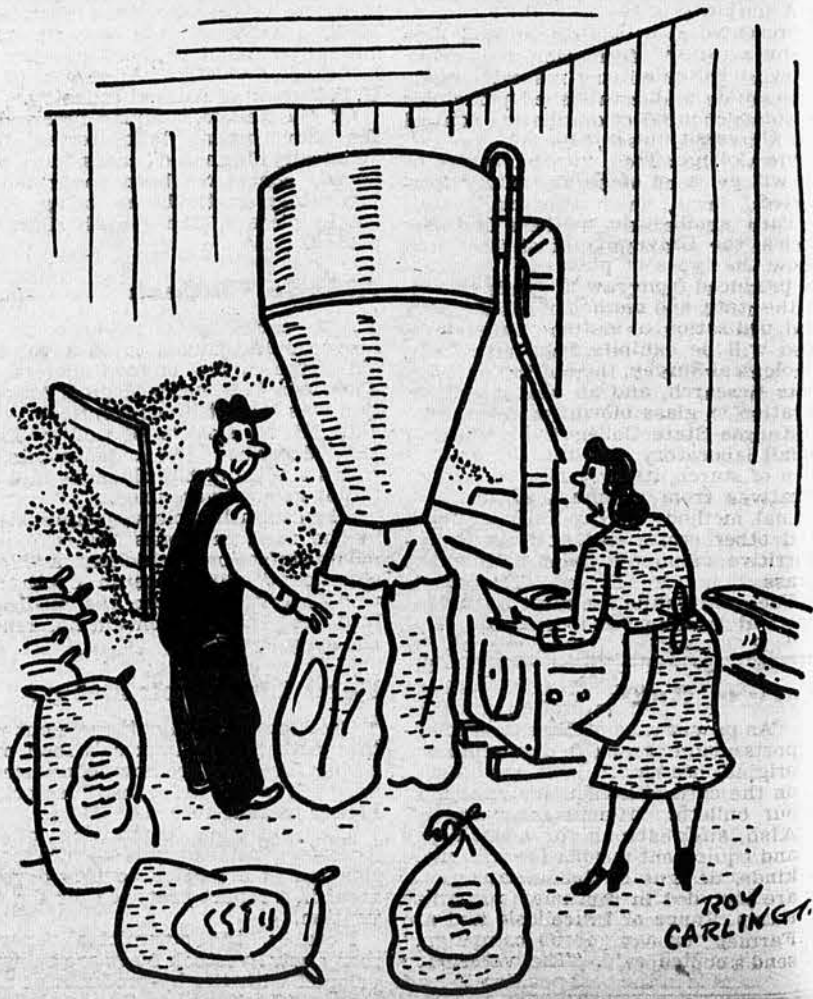
Lincoln Electric Co., Kansas City, Mo. Welding machines, demonstrations.  
Lipe Motor Truck, Inc., Hutchinson.

Eldo McFarland, Hutchinson.  
McPherson Concrete Products Co., McPherson. Silos and concrete products.

Martin & Kennedy Co., Kansas City, Mo. Forage harvesters, hammer mills, wagons, special farm equipment.

Massey-Harris Co., Racine, Wis. Complete line farm machinery.  
Master Mfg. Co., Hutchinson. Special farm equipment.

Memorial Art Company, Salina.  
Minneapolis-Moline Power Impl. Co., Minneapolis.



"Would you please grind this meat for me, Robert?"



neapolis, Minn. Complete line farm machinery.

Moore's Farm Store, Hutchinson. Electric appliances, farm machinery, water systems, special demonstrations.

Moore Chemical Co., Dodge City. Special chemicals and wheat-testing device.

Sam Mulkey Co., Kansas City, Mo. Special hay machinery.

National Tile Silo Co., Kansas City, Mo. Silos.

The Oliver Corporation, Kansas City, Kan. Complete line farm machinery.

Omaha Standard Body Corp., Council Bluffs, Iowa. Livestock and grain bodies, holsters.

Ottawa Steel Products, Inc., Ottawa. Loaders and bulldozers.

Perfection Equipment Co., Inc., Wichita. Robert Perry, Milwaukee, Wis.

The Victor L. Phillips Co., Kansas City, Mo.

Price Bros. Equipment Co., Wichita. Farm equipment and tools.

Chas. A. Rayl Tractor & Equipment Co., Hutchinson. Tractors & farm equipment.

Reno Implement Co., Hutchinson. Farm implements.

Richardson Mfg. Co., Cawker City. Farm equipment.

Salina Concrete Products, Inc., Salina. Concrete stave silos and other concrete products.

Sears Roebuck & Co., Hutchinson. Special farm display.

Sheldon Tractor Filler Co., Cunningham. Shirk Supply Co., Hutchinson.

Staley Milling Co., Kansas City, Mo. Livestock and poultry feeds.

Stuart Mfg. Co., Holsington.

Superior Separator Co., Minneapolis, Minn. Special farm equipment.

Thomas Hydraulic Speed Controls, Inc., Wichita.

Universal Industries, Inc., Wichita.

Whitworth Supply, Scott City. Cattle chutes, dehorning equipment, grain scoops.

Wichita Gravelly Co., Wichita.

Wilbeck Machine & Mfg. Co., So. Hutchinson. Implement trailers, one-way plows.

Wincharger Corporation, Sioux City, Ia. Wind electric generators.

**Exhibitors in Grandstand**

Adam, Bob, Sterling; Airway Branches, Inc., Wichita; The Atchison, Topeka & Santa Fe, Topeka; Beltone Hearing Service, Wichita; The Bookhouse for Children, Chicago, Ill.; Central Labor Union, Hutchinson;

Christian Supply Store, Hutchinson; Crook Furniture Exchange, Hutchinson; Culligan Soft Water Co., Newton.

Dix Petroleum Co., Hutchinson; Electro-lux Corporation, Wichita; Gas Service Co., Hutchinson; General Elec. Supply Corp., Wichita; General Products, Wichita; Isham Furniture Co., Hutchinson; S. A. Long Electric Co., Wichita; Kansas Chiropractors Assn., Pratt; Maloney Distributing Co., Omaha, Neb.

Mayfield Music Co., Hutchinson; Metzger Dairy Service, Wichita; Phillips Petroleum, Wichita; M. M. Stevens Co., Hutchinson; Superior Boiler & Supply Co., Hutchinson; Wiley Dry Goods, Hutchinson; Wilson All-Weather Window Co., Hutchinson.

**Home Furnishings Show—Grandstand**

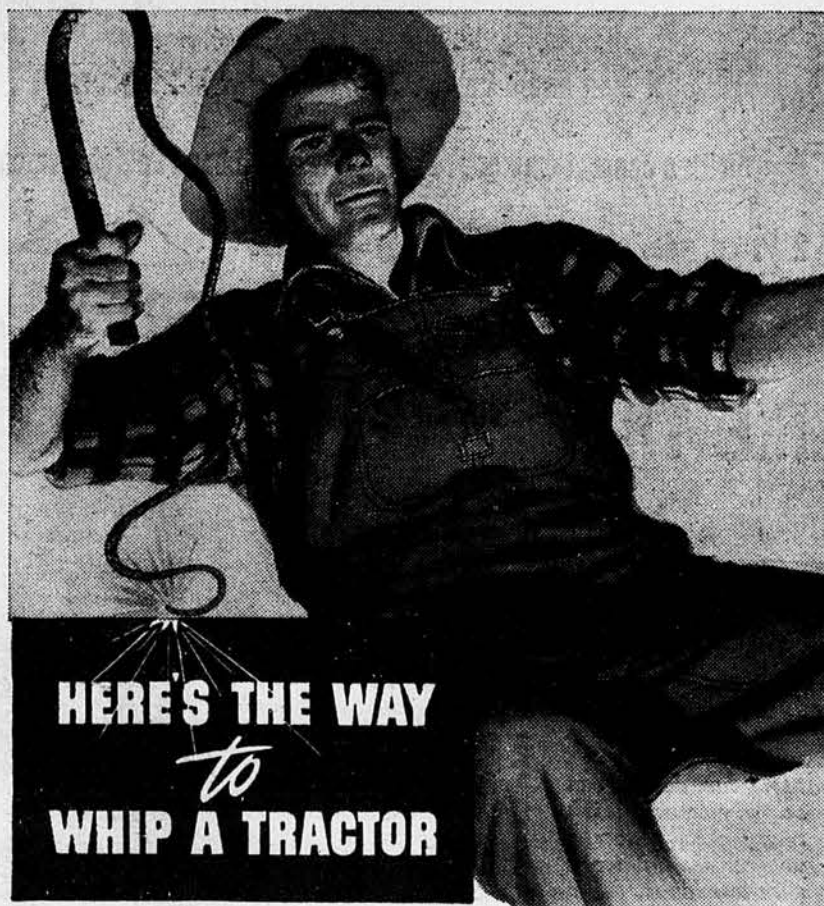
Altorfer Bros. Co., Peoria, Ill. Laundry equipment; Federal Distributing Co., Wichita; Graber Furniture Co., Hutchinson. Home appliances; Harmon Furniture Co., Hutchinson. Appliances; Home Appliance Co., Wichita. Home appliances, butane equipment, gas tanks; Ironrite Ironer Co., St. Louis, Mo. Laundry equipment; Maytag Washer Co., Newton, Iowa. Washing machines; Pegues-Wright Co., Hutchinson. Appliances; Rite-Way Products Co., Oklahoma City, Okla. Dairy equipment; Woodwork Mfg. Co., Hutchinson. Kitchen equipment; Decker Mattison, Hutchinson.

**In Industrial Building**

Chester L. Anderson Co., Wichita; E. S. Cowie Electric Co., Wichita; Hankins Welding Shop, Hutchinson; Knoll Lawn Equip. Co., Topeka; Kopper Supply Co., Hutchinson; Midwest Motors, Inc., Wichita; Guy P. Miller Insulation Co., Hutchinson; Patterson Elec. Co., Hutchinson; Stoddy Co., Whittier, Calif.; Universal Motor Oils, Wichita.

**Agricultural Building**

Anaconda Copper Mining Co., Anaconda; DeKalb Agricultural Assn., DeKalb, Ill.; Doughboy Industries, Inc., New Richmond, Wis.; Florson & Co., Denver, Col.; Garst & Thomas Hybrid Corn Co., Coon Rapids, Ia.; Grimes & Jones Monument Works, Hutchinson; Hutchinson Butane Co., Hutchinson; Kansas Crop Improvement Assn., Inc., Manhattan; Moorman Mfg. Co., Quincy, Ill.; Schreiber Milling & Grain Co., St. Joseph, Mo.; Sears Roebuck & Co., Hutchinson; Southwest Heating & Ventilating Co., Dodge City; Standard Oil Co., Wichita; Victor Rain-Gage Co., Wichita.



To get that last ounce of power from your tractor, there are few better "whips" than spark plugs which stay clean longer, keep their gap adjustment longer, and fire steadily even on long, heavy pulls.

It is very easy to have such plugs. Just follow the simple AC method of preserving tractor power:

- 1 Consult your implement dealer's AC Heat Range Chart to find the type of AC plugs designed for your engine and the kind of fuel you use.
- 2 Have your tractor plugs cleaned and adjusted, by the AC Method, as often as necessary.

Ask your dealer for this tried and proved AC service. The correct type of AC plugs, regularly cleaned and adjusted, retard soot and oxide coating, assure long plug life, and maintain engine power. Thus you get full power from the fuel and save as much as 1 gallon in 10. (If you keep an extra set of clean AC's on hand, you won't tie up your tractor while the other set is being cleaned.)



AC SPARK PLUG DIVISION • GENERAL MOTORS CORPORATION

## Kansas Products at Both Fairs

Under Sponsorship of K. I. D. C. State Manufacturers Exhibit to Home Folks

THOUSANDS of Kansans who attend either the Kansas State Fair at Hutchinson or the Kansas Free Fair at Topeka, will have an excellent opportunity to judge the excellence of Kansas products.

Under sponsorship of the Kansas Industrial Development Commission, leading manufacturers of the state are exhibiting with uniform decorations at both fairs, and in many cases are showing their products.

A majority of the exhibitors will be represented at both fairs. Some of the manufacturers, however, will only show at Hutchinson or at Topeka.

In addition, the commission will have a comprehensive exhibit, as well as the University of Kansas and Kansas State College. The two college exhibits will get a lot of attention, it is predicted.

Through small-scale, portable laboratories, the University of Kansas will show the types of plastics which can be produced from raw materials found in the state, and methods for the chemical utilization of natural gas. There also will be exhibits from the State Geological Survey, the Bureau of Business Research, and an actual demonstration of glass blowing.

Kansas State College will set up a small laboratory showing the extraction of starch, its by-products and derivatives from sorghum grains; the actual method of dehydrating alfalfa and other crops, and a study of the nutritive value of wheat and wheat grass.

The joint exhibits will be in the Industrial building at Hutchinson, and

a building by the same name at the Free Fair in Topeka. The lists follow:

### Exhibit Kansas Manufacturers (Both Hutchinson and Topeka)

Armour Packing Co., Kansas City; Berry Bros. Hatchery, Atchison; Central States Mfg. Co., Arkansas City; Coleman Company, Wichita; Concrete Materials & Construction Co., Moline; Funk Mfg. Co., Coffeyville.

Hainke Foundry, Kensington; Kansas Soy Bean Mills, Inc., Emporia; Kansas State College, Manhattan; Kansas University, Lawrence; Mayne Mfg. Co., Topeka; John Morrell & Co., Topeka.

Pittsburg & Midway Coal Mining Co., Pittsburg; Prafor Sales Co., Wichita; Shaw Mfg. Co., Galesburg; Spencer Chemical Co., Pittsburg; Stokely Foods, Inc., Lawrence; Verb Mfg. Co., Coffeyville; Walker Cut Stone Co., Junction City; Winchell Mfg. Co., Inc., Fort Scott.

### Exhibit Kansas Manufacturers (Hutchinson Only)

Advance Products Co., Wichita; Aircraft Spinning Co., Wichita; Bowlby Air Devices Co., Wichita; L. J. Bromert, Hutchinson; Carey Salt Co., Hutchinson; Hartman Mfg. Supplies Co., Hutchinson.

Kansas Oxygen Co., Hutchinson; Love Box Co., Wichita; Master Mfg. Co., Hutchinson; Service Foundry, Wichita; Soy Rich Products, Inc., Wichita; Titanine, Inc., Wichita.

United Mfg. & Sales Co., Wichita; Wellborn Plaster Co., Wichita; White Manufacturing Co., Hutchinson; Wichita Brass & Aluminum Foundry, Wichita; Wichita Vault Co., Wichita; Wyatt Mfg. Co., Salina.

### Exhibit Kansas Manufacturers (Topeka Only)

Abilene Food Company, Abilene; Archer-Daniels-Midland Co., Fredonia; Atchison Leather Products Co., Atchison; Atchison Specialty Co., Atchison; Fitz, Inc., Atchison; Goodyear Tire & Rubber Co., Topeka; Pacific Boat Works, Topeka; Sutherland Becker Prod. Co., Burlingame; Topeka Foundry & Iron Works, Topeka; Topeka Mill & Elevator Co., Topeka.

### Drop Molasses Controls

Edible molasses and sirups are no longer under price or export control, announces the U. S. Department of Agriculture. Controls were taken off these products August 9.

Cane and beet sugar continue under price, import and export control, however.

### Care of Rugs

As proper care of rugs is so important in order to preserve their original beauty, there is a section on the care of homemade rugs in our bulletin, "Homemade Rugs." Also, suggestions for materials and equipment needed for various kinds, designs and sizes of rugs are included in this bulletin. The Farm Service Editor, Kansas Farmer, Topeka, will be glad to send a copy upon request. Price 5c.

### NEW B-M POWER MOWER

Cuts Toughest Weeds Mows Finest Lawn

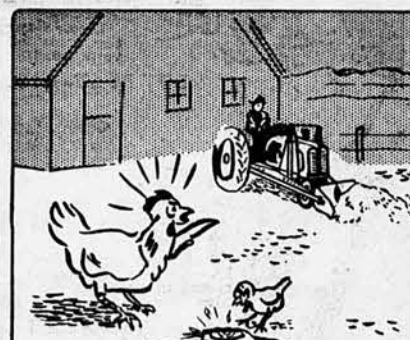
Our newest model, streamline, three-wheel, rotary blade mower. Will cut the roughest weed patch or mow the finest bluegrass lawn equally well. Saves hours of time and labor. Equipped with quick-starting, dependable, trouble-free motor. This 1½ h. p. engine provides convenient portable power for numerous other farm purposes. Adjustable blade. Puncture-proof Rubber tires. Light. Sturdy. Easily controlled. Shipped assembled ready to go, or build it yourself from kit of parts. Prompt shipment. Guaranteed! Write for FREE literature.

B-M MOWER CO., Box 66-J, Blue Mound, Kans.

### TOP WEAK TO DO ANYTHING

On 'CERTAIN DAYS' of Month? This great medicine is famous to relieve painful distress and tired, nervous, irritable feelings, of such days — when due to female functional monthly disturbances!

LYDIA E. PINKHAM'S VEGETABLE COMPOUND



NO! YOU CAN'T HAVE A HORNDRAULIC LOADER TO DIG WORMS

Naturally It Costs More Because It's Worth More

HORN MANUFACTURING CO. Fort Dodge, Iowa



2 men and a boy ... in 20 hours ...  
 with a concrete mixer ... 25 bags Lehigh Cement  
 2 1/2 cu. yds. sand ... 3 3/4 cu. yds. gravel ...

## CAN BUILD A CULVERT LIKE THIS



\*If your dealer can supply you with ready-mixed concrete, you can do this work with less labor.



• An old wooden bridge like the one shown in inset is dangerous, at best. It would pay in the long run to replace it with a culvert built of concrete. A concrete culvert is easy to build,\* will last indefinitely, and will avoid annoying, time-killing repair problems. Your Lehigh Dealer can give you valuable help on this and many other concrete farm improvements ... such things as walks, vats, flumes, feeding floors, watering tanks, many others. See him on your next trip to town.

# LEHIGH CEMENTS

LEHIGH PORTLAND CEMENT COMPANY

ALLENTOWN, PA. • CHICAGO, ILL. • SPOKANE, WASH.

### The BEAR CAT

Combination  
GRAIN and ROUGHAGE MILL  
Also ENSILAGE CUTTER



Grinds any feed—green, wet or dry. This feeder really takes in loose roughage, bundles or bale flakes and no monkey business about it. Large capacity guaranteed with ordinary farm tractor. Grinds grain, ear or snapped corn with roughage or separate. Has cutter head and swing hammers. Get full information on this real honest-to-goodness Grinder. Write Western Land Roller Co., Box 135 Hastings, Nebr.

### SALINA CONCRETE SILOS

IF IT'S CONCRETE WE MAKE IT  
 Let us tell you about the Silo that is built to last a lifetime. The very latest in design and construction. See the new large free-swinging doors and many other exclusive features. The Salina Silo has been giving farmers perfect service for 34 years. Get the Facts—Write TODAY.

The Salina Concrete Products Co.  
 Box K Salina, Kansas

## GUARD YOUR CATTLE AGAINST PROFIT ROBBING PESTS!

Lice, Grubs, Flies, Mange—all part of the army of profit robbers ready to raid your herd.

BUT BE SURE IT'S

# Automatic's

Genuine

## CATTLE CURRIER

Let your cattle treat themselves, naturally, AUTOMATICALLY with the field-tested and proved GENUINE Cattle Currier plus proper medicated oil or dusting powder. Wise, profit-minded stockmen everywhere are expanding profits and cutting down endless hand work by installing Automatic Curriers in feed lots, near salt licks, or water. MORE THAN 30,000 now in use.



AUTOMATIC EQUIPMENT, Dept. KF-4  
 Pender, Nebr., U.S.A.  
 Sure! I want to protect my cattle against profit robbing pests! Send details at once.  
 NAME \_\_\_\_\_  
 ADDRESS \_\_\_\_\_  
 I'M ALSO INTERESTED IN ( ) Tractor Kab, ( ) Hog Oiler, ( ) Sprayer, ( ) Hydraulic Dump Wagon, ( ) Medicated Oil or Powder.

### FREE! ROTENONE-OIL

With every purchase of Automatic's Genuine Cattle Currier you receive FREE a one-month's supply of approved Rotenone-oil. Get your order in NOW.



AUTOMATIC EQUIPMENT MFG. CO.  
 PENDER, NEBRASKA, U.S.A.

## Many Causes For Pig Loss

ALTHOUGH there have been many stories about a new and highly infectious disease of baby pigs, heavy losses sustained during the spring of 1947 cannot be accounted for on the basis of this one new disease.

The most important reason for these heavy losses was "faulty management, hygiene, and sanitation" probably aggravated by "cold, wet weather during March and April." The next big reason was "inadequate nutrition (undernutrition and overfeeding) of the sow during gestation and lactation." This implies a failure to appreciate the fact that a farrowing sow should be fed as carefully as the cow at calving time. These two items accounted for two thirds of the pig losses. All of the known infectious diseases accounted for less than one third of baby pig deaths, and no one of these was responsible for more than 10 per cent of the total.

This is the analysis of veterinarians from 6 leading Corn Belt universities, from the U. S. Bureau of Animal Industry, and from the American Veterinary Medical Association, and of representatives of the American Feed Manufacturers' Association who met with them in Chicago recently. This group, in an all-day session, reviewed the complex problem, reached full agreement, and laid plans for an immediate exchange of information and experimental specimens.

In the meantime, reports the veterinary association, every swine breeder should review his system of raising and feeding pigs, because many farmers who lost pigs last spring have said they did not have proper equipment for raising pigs in cold weather, and that they were not feeding the sows as well as they knew how.

The following persons attended the meeting, and issued this report: Dr. P. C. Bennett, Iowa State College, Ames, Iowa; Dr. C. N. Dale, Bureau of Animal Industry, Washington, D. C.; Dr. W. R. Krill, College of Veterinary Medicine, Ohio State University, Columbus, Ohio; Dr. F. R. Woodring, University of Nebraska, Lincoln, Neb.; Dr. H. C. H. Kernkamp, University Farm, St. Paul, Minn.; Dr. L. P. Doyle, Department of Veterinary Science, Purdue University, Lafayette, Ind.; Dr. Robert Graham, College of Veterinary Medicine, University of Illinois, Urbana, Ill.; Lyman Peck, American Feed Manufacturers' Association, 53 West Jackson Blvd., Chicago, Ill.; Walter Berger, president American Feed Manufacturers' Association, 53 West Jackson Blvd., Chicago, Ill.; Dr. R. C. Klusendorf, American Veterinary Medical Association, Chicago, Ill.

### Heads Market Work

Dwight S. Tolle has been chosen as director of marketing to administer the new marketing law passed by the Kansas legislature during the 1947 assembly, according to J. C. Mohler, secretary of the Kansas State Board of Agriculture.

Among Tolle's duties will be improving marketing practices and encouraging payment of premium prices for quality products. Mohler pointed out that wide experience in Midwest marketing plus practical experience in



Dwight S. Tolle

farming make Tolle well qualified to fill the post, and his work should be of valuable aid to farmers in the state on marketing problems.

Born and reared on a farm in Kansas, near Norcatur, Mr. Tolle attended Kansas State College, receiving a degree in agricultural economics. Upon graduation he went to Osborne county as county agricultural agent. Following his county agent work Tolle became secretary-treasurer for the National Farm Loan Association at Beloit. Later he moved to Manhattan as marketing specialist for the Kansas State College Extension Service. While in this work he took graduate work at the college on a masters degree. For the last 2 years Tolle has served as a grain merchandiser and public relations man for a prominent grain company in Kansas.

Mr. and Mrs. Tolle and their 3 children plan to make their home in Topeka on about October 1, the date when he assumes his duties with the board.

### Large Dairy Show

The largest Dairy Cattle Congress in history is predicted for the 1947 event, to be held in Waterloo, Iowa, September 29 to October 5.

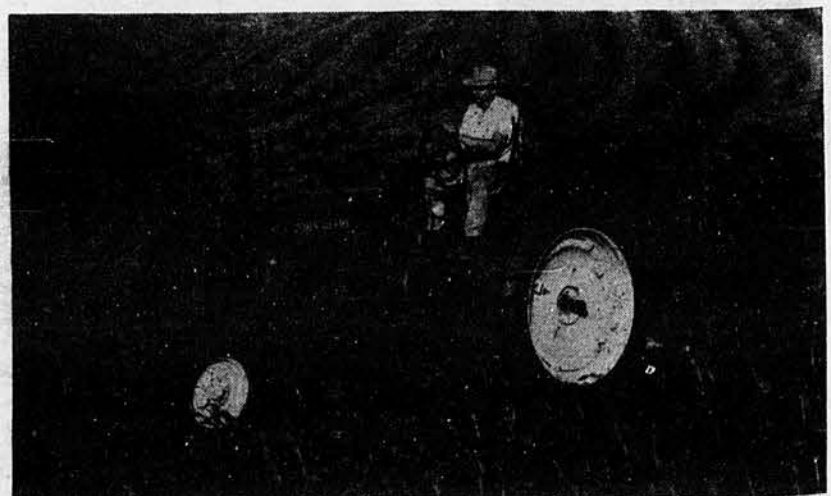
A new exposition hall having 332 individual exhibition units will be ready for the event. More than 1,500 of the nation's top dairy animals are expected to be entered.

Three dairy breed organizations, Holstein-Friesian Association of America, the American Guernsey Cattle Club and the Brown Swiss Cattle Breeders' Association, have designated the congress as their official National Breed Show for 1947.

Other allied events at the congress include the Midwest Industrial Exposition, International Waterfowl Show, American Poultry Congress, Home Equipment and Food Show, Dairy Products Division, Women's and Girls' Department, Midwest Rabbit Show, and the 4-H Club Exposition.

All national individual and team championships in dairy cattle judging for 1947 will be determined at the Dairy Cattle Congress.

### See It at the State Fair



NEW AT THE FAIR: The Deere Quik-Tatch cultivator, designed to save time in attaching and detaching the implement from the tractor, a one-man machine.



**Move Grain**

**Quick and Cheap**

NO WASTE  
NO CRACKING

HANDLES  
600 TO 1100  
BU. PER HOUR

**BAZOOKA**

### SPIRAL GRAIN LOADER

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

If your dealer doesn't stock it  
order Direct

**THE WICHITA SUPPLY AND  
MANUFACTURING CO.**  
318 W. Waterman • Wichita 2, Kansas

**LOW COST  
IRRIGATION HOSE**

**MADE OF CANVAS**

Ideal for pump irrigation. Carries water over or around obstacles. Saves work. Lasts for years. Makes getting water where you want it easy. Low Cost. Canvas dams also. Write for illustrated folder.

**LINCOLN TENT & AWNING CO.**  
1616 O St., Lincoln, Nebr.

**Continental  
POST HOLE DIGGER**

Fence building is no longer a back-breaking job. The Continental works automatically from the tractor seat. Fits all makes and models. Install it with two bolts. Adjustable for rough fields and side hills. Trenching Attachment digs 600-800 ft. of ditch per day. See your dealer, or write Continental Farm Machine Inc., 457 Wilson St. NE., Minneapolis 13, Minn.

**ONE-MAN OPERATED**

**BOY! WHAT A NEST  
HE'S BUILDING!**

**IT'S THE HORN-DRAULIC  
PUSH-OFF STACKER!**

Naturally It Costs More  
Because It's Worth More

**HORN MANUFACTURING CO.**  
Fort Dodge, Iowa

## Brand-New State Fair

(Continued from Page 4)

other type of appliance. And they will be working models, not just displays. The floor of this area was underlaid with electric conduits, and electric convenience outlets are on all sides. Fair officials say it is the only large display area of its kind anywhere to allow prospective buyers to see in operation the things they want.

Next to the home-furnishings department another large area is being remodeled, using paint and lighting effects rather than wood to give it a distinctive beauty. In this section you will be able to see all the advertised automatic washers in one group. This idea of grouping related displays is being carried out all over the grounds this year, and certainly will save a lot of wear and tear on visitors. The exhibitors like it, too.

Over in the old automobile building things are going on, too. There won't be an auto show this year. Instead, one half of the building is being completely remodeled to house the Kansas Industrial Commission display of Kansas-made products. This display will be compact and built around an elaborate central motif. You can see it all with one visit.

The rest of the lower floor will be filled with commercial displays. The Girl Scout and Liberal Arts displays will be on the balcony, as usual. The outside of the balcony is being covered with a background drop and, when you see it, will be complete with large murals depicting Kansas industry.

### Plenty of New Appliances

For all the many improvements in appearance of the buildings you can thank Ralph Mitchell, superintendent of concessions, and Marshall Walker, a Kansas State College engineering student. They designed and supervised installation of the improvements. Because of the improved demonstration facilities, many of the equipment displays this year will be presented by factories and distributors. They will be complete and elaborate. You will see home appliances so new companies will not divulge in advance what they are.

The domestic science department is being moved from the lower to the upper floor of the grandstand. Here, new and improved quarters have been provided. Another change is moving of the floriculture department from the agricultural building to combine it with the domestic art department under the grandstand. Floral displays will be used as a center around which domestic art exhibits will be displayed. Both the domestic science and art departments will have all new display booths.

Seven large tents have been rented to house the overflow of dairy and beef cattle expected. This means the tents have to be wired, supplied with water and tie racks. It's a big job, but has to be done because scarcity of materials held up construction of the new cattle barn.

Last year, you will remember, there was a lot of confusion and delay in the cattle-judging ring because of crowded conditions. This year, the dairy judging will be done separately in a large tent provided for that purpose.

You will see 9 city blocks full of farm machinery at the fair, a full 2 city blocks more space than ever used before. By July 30, 53 manufacturers of

(Continued on Page 34)

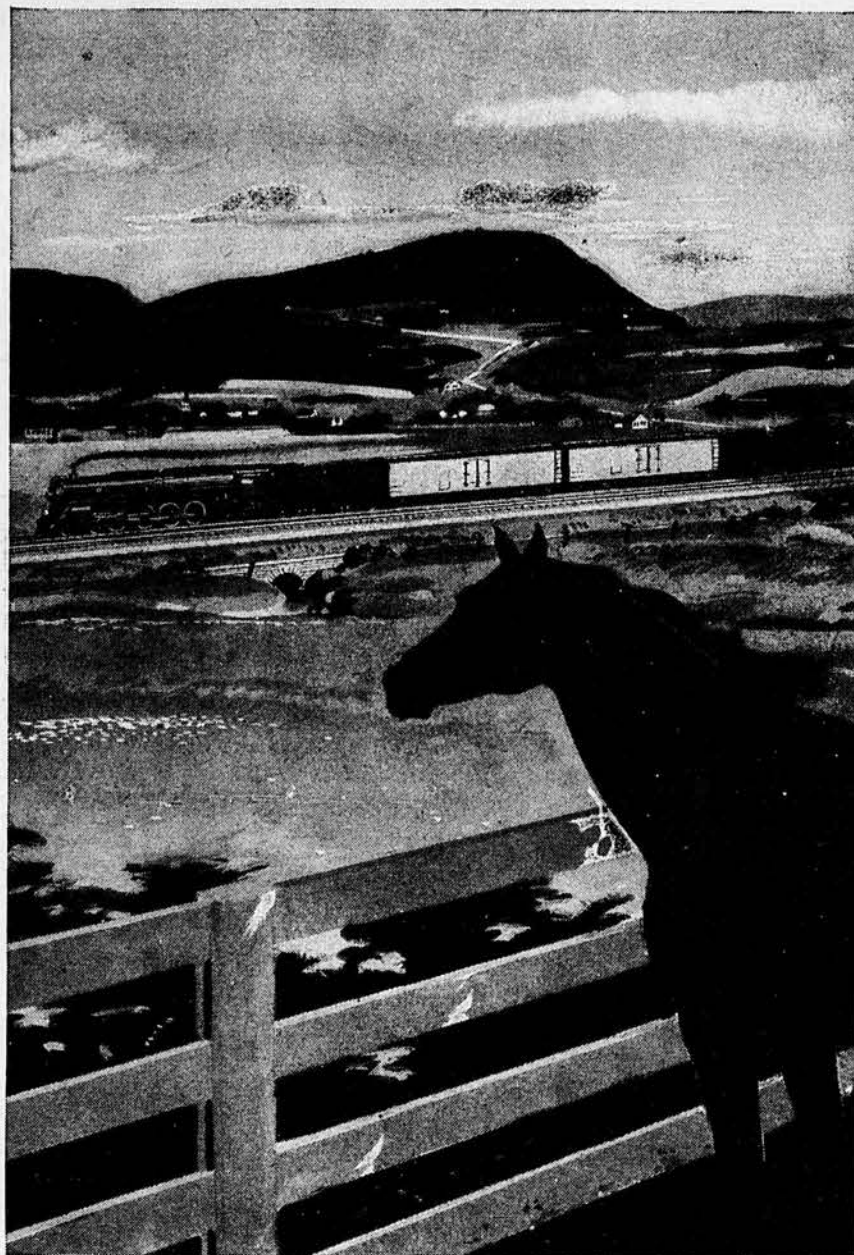
**THE PERFECT MARRIAGE**

New Showing  
THE PERFECT MARRIAGE

THE PERFECT MARRIAGE

THE PERFECT MARRIAGE

"Why SHOULDN'T it be perfect? It only lasted two hours!"



## Where Does the Iron Horse Get its Oats?

● Your railroads need investment dollars just as much as a thoroughbred needs oats.

Investment dollars nourish research and invention, improvements in plant, equipment and service—the life and future vitality of your railroads.

But in order to attract these investment dollars, and to finance improvements needed to serve you better, these railroads must have reasonable earnings.

Most folks think 6% is no more than reasonable. Last year, however, railroads as a whole earned an average of only 2¾% on their net investment. Many railroads actually lost money. And this year, even though hauling a record peacetime traffic, American railroads will probably average only about 3%.

Why are the railroads faced with this situation? That's simple. Since 1939, wages are up more than 50% . . . costs for materials and supplies up 60%. At the same time, the average charge for hauling a ton of freight a mile is less than 15% above 1939! Railroads are still hauling freight for less, on the average, than any other comparable transportation in the world.

Any business should earn at least 6% if it is to continue as a progressive, self-supporting enterprise. The railroads are no exception.

Doesn't this strike you as fair in principle . . . sound in practice . . . and to your own best interest in the long run? Association of American Railroads, Washington 6, D. C.

**AMERICAN RAILROADS**  
THE NATION'S BASIC TRANSPORTATION



# Down Go Prices!

Now You Can Afford the Genuine  
**K-S ROTARY SCRAPER**

"SPECIAL" Model

Compare the Quality... Compare the Price

Formerly over \$100

Now **LOW AS \$67** "REGULAR" Model  
**LOW AS \$62**

## SAVE—Order Now!

Here's big news! Prices on the genuine K-S Rotary Scraper now cut about ONE-THIRD—actually below Pre-War levels! This has been our goal for years. New specially-equipped factory is now completed... we're building scrapers much faster... building every part ourselves... selling direct to dealers—and the savings are given to you in Lower Prices.

**2 MODELS** "Special" model formerly sold by a leading mail-order house for over \$100, now built and sold only by us. 4'.....\$67; 5'.....\$70. "Regular" model, same as the "special" excepting the hitch. 4'...\$62; 5'...\$66. Prices f.o.b. factory.

The K-S works wonders moving soil, manure, etc. The operator, with a clear view from the tractor seat, fills the scraper, dumps the load in one place or spreads it to any thickness—or bulldozes it backward—Without Stopping Tractor! So fast it cuts the cost of filling gullies, building ditches and dams, leveling land, soil conservation work, etc. Very light draft. Ruggedly built of finest materials. Guaranteed.

ORDER FROM YOUR DEALER If he has no stock, order direct from the factory. Shipment made immediately.

CENTRAL MFG. CO. Dept. K-9 Omaha, Nebr.

## FOR BUMPER CROPS PLANT

# LAUBER Blue Valley HYBRID CORN SEED

This is the year you'll want to book your seed corn order early. Good quality seed sure to be scarce due to poor season in many areas. We guarantee to deliver high germinating, precision graded, perfectly matured seed. 14 varieties to select from. See your dealer or write direct for catalog.

**DEALERS-AGENTS WANTED**—Some good territories still available. Write today for our dealer-agent proposition.

WRITE FOR NEW SEED CORN CATALOG—GIVES COMPLETE DESCRIPTIONS OF LAUBER HYBRIDS

**LAUBER SEED FARMS** GENEVA NEBR.

## State Fair

(Continued from Page 33)

farm machinery had purchased display space and there still was more to sell. At least 3 companies this year will specialize in irrigation equipment and many others will offer some irrigation equipment. The U. S. Reclamation Bureau also will be there with a special irrigation booth for educational purposes. New machinery never before shown will be there this year for your inspection.

The space in the agricultural building vacated by the floriculture displays will be given over to the biggest wheat show ever held in Kansas, according to Frank Bieberly, Kansas State College agronomist, who will be in charge.

Mr. Bieberly says the Kansas wheat grower who exhibits the champion bushel of wheat will win an all-expense paid trip to the International Hay and Grain Show and International Live Stock Exposition, at Chicago, in December. A similar trip will be awarded the homemaker who shows the best loaf of home-baked bread.

In the wheat show, bushel entries under variety names will be judged on the basis of seed quality, uniformity, commercial grade and condition. Champions will be selected in 5 groups, with the winners of each group competing for the sweepstakes and the Chicago trip. The 5 variety groups will be divided as follows: Group 1, Tenmarq, Comanche and Pawnee; group 2, Turkey, Kanred, Nebred, Iabred and Cheyenne; group 3, Blackhull, Early Blackhull, Wichita and Triumph; group 4, Chiefkan and Red Chief; group 5, Clarkan, Kawvale and Fulcaster. Entirely new display containers will be used to make the wheat exhibits more colorful.

A new and interesting display this year in the fine arts department will be handwork in occupational therapy by World War II veterans. This display can be found on the balcony in the industrial building.

### Poultry Show Comes Back

The big poultry show will be resumed after being canceled last year due to the Newcastle disease scare. It will be one of the few big poultry shows in 1947. All poultry entered will be inspected and any sick or diseased birds rejected. "Experienced poultrymen will be in charge of this inspection," says Mr. Mitchell. "We don't believe there is any danger of spreading Newcastle disease where such extreme care will be taken."

Something entirely new in 4-H Club competition this year will be the race to see who will be crowned wheat king and wheat queen. Candidates from some 50 counties will vie for the honor, with the chosen king and queen being crowned Friday evening in a special ceremony before the grandstand. The state contest is part of a big 4-H program thruout the Wheat Belt of Kansas to raise money for the state 4-H Club camp. In addition to being crowned as wheat royalty, the winning candidates will receive outstanding prizes. The king will get an all-purpose farm tractor and all-expense-paid trip to Washington, D. C. The tractor is being donated by International Harvester Company dealers in Kansas. They also will present the queen with an 11-cubic foot home-freezer unit. The Kansas Flour Milling Industry is providing both winners with the Washington trips.

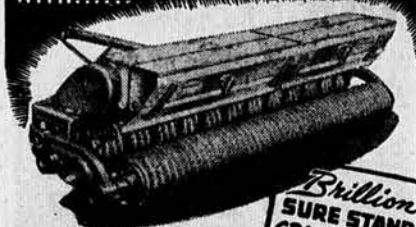
Of course, the 4-H Clubs will hold (Continued on Page 35)

## SPORTING Goods



"You say that's a forty-five? Aren't the forty-sevens out yet?"

## MAKE GRASSLAND FARMING REALLY PAY WITH.....



THE MACHINE FARMERS HAVE BEEN WAITING FOR.

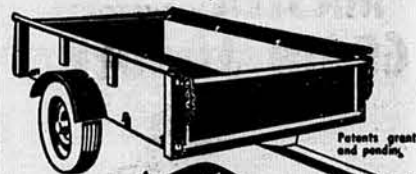
Brillion SURE STAND GRASS SEEDING PULVERIZER and PACKER

Here is a specially designed implement that quickly pays for itself in saving of seed cost, time and hard labor, tractor use and operating expense—and at the same time you will have a good catch—a SURE- STAND, because all seed is planted shallow. Once over the field... big lumps, hard soil clods are gone... even small stones are pressed down so they later can't damage your mower. The BRILLION SURE-STAND is the most sturdily built long-life roller bearing grass seeder and packer made—designed to match today's high tractor speeds. Made in two models—Double model shown above seeds both legume and brome at the same time—a single box model seeds legume only.

If you do grassland farming, you need the BRILLION SURE-STAND. Write today for prices and fully illustrated colored folder.

## BRILLION IRON WORKS, INC.

BRILLION • WISCONSIN



**Cobey TWO-WHEEL wagon**  
4 WAGONS — IN 1

You'll find this rugged, extra-roomy, all-steel wagon solves hundreds of hauling problems. Quick pick-up-and-go trips with milk, produce, stock, etc. Lengths: 6 and 8 ft.—both 4 ft. wide—17½" flared steel sides. Roller bearing wheels. Both end gates hinged top and bottom. Heavy ribbed steel floor, ball-and-socket hitch. Three body attachments for 8 ft. size.

Write for information and nearest dealer.

The PERFECTION STEEL BODY CO. Dept. K-97, Galion, Ohio

**Cobey TRANSPORTATION EQUIPMENT**  
The most practical units in the world for farms and ranches



**GEE IT'S FUN HELPIN' DAD NOW! ...THIS BREADY WORKS EASY!**  
A child can do a man-size job with the BREADY tractor. You simply guide it. Ratchet wheels turn it "on a dime." The 1½ H. P. motor operates plow, harrow, disc, seeder, cultivator, lawn mower, lawn roller, field mower and snow plow—with ease. The "Front-Hitch" pulls it down to earth—gives 30% MORE power—30% MORE traction. Saves gas—one gallon runs five hours.

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

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## Buy Direct From Factory and Save

After 10 years of building Lawn Mowers, we have developed a sickle type mower that will cut fine grass or large weeds. Will cut lawns as short as 1 in. Especially built for Cemeteries, Parks and Schools. Mower has I.H.C. Lespedeza guards and sickle, which gives double cutting capacity. Center drive on sickle permits close cutting around curbs and shrubbery. When answering this ad state type of mowing: Yards, Parks or Cemeteries.

**SPECIFICATIONS**  
Width of Cut—36 in. Bearings—Standard Ball. Power—14 H.P. Air-Cooled Motor. Frame—Fabricated Electric Welded Steel. Differential—Auto Type Drives From Both Wheels. Drive—Standard Auto V-Belts. Gears—Machine Cut. Tires—400x8 Pneumatic. Self Propelled.

Foushee & Heckendorn, Cedar Point, Kan.



# Doerr METAL Products

Will again be on display at The Kansas State Fair at Hutchinson, Kansas, September 14-19. Here you will see Doerr Fuel Storage Tanks, Stock Tanks, Water Storage Tanks, Pneumatic Tanks, Doerr Master Septic Tanks, Doerr Gravel Guard Irrigation Casing, Irrigation Pumps, Water Systems, H. C. Little Oil Burning Floor Furnaces, Etc.

## DOERR PRODUCTS

Are sold through Dealers throughout the territory.

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# MASTER BUCKET GRAIN LOADER ELEVATOR

See it  
at the  
KANSAS  
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FAIR  
Sept. 14-19  
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We  
Will  
Show  
Some  
New  
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# SILO SEAL

Merit

The acid in silage, over a period of years, cause 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 eighteen years by Kansas Farmers and Dairymen. Write today for literature. Immediate delivery.

MANUFACTURED BY  
McPherson Concrete Products Co.  
McPherson, Kansas

## State Fair

(Continued from Page 34)

their annual encampment with 800 boys and girls enrolled. More than 120 demonstration teams will compete in the 4-H Club team contests, and state champion teams will be selected to represent Kansas in national contests.

The state encampment of Vocational Agriculture students and F. F. A. Chapters also will be held on the grounds, with L. S. Pollom, state supervisor, in charge. A livestock selection demonstration for F. F. A. members will be conducted by Prof. F. W. Bell, of the K. S. C. department of animal husbandry.

Over in agricultural hall, we were told there will be 15 county collective booths and one county project booth. Over in the domestic science department there will be 6 county booths.

Master Farmers and Master Farm Homemakers will be guests of the fair management on Wednesday, September 17. They will meet for a short business session in the 4-H Club encampment building at 11 o'clock in the morning, and then will attend the special entertainment program in their honor. That evening they will be guests at a dinner given by the Hutchinson Chamber of Commerce.

### Many Special Features

Some special features of the fair will include a state meeting and sale at the swine pavilion Tuesday afternoon, conducted by the Kansas Hampshire Swine Association, the state sheep-shearing contest Monday thru Friday, and the Kansas Farmer Dairy Judging contest. Some 100 high-school bands from over Kansas have been invited to provide music and color for the big show.

In addition to seeing more educational features than ever before, you are going to have more fun, too. There will be a radical change on the Midway this year.

Rides of all kinds and descriptions will be featured, with 2 companies guaranteeing a minimum of 21 rides compared to the usual 12 or 14. And here's news. The rides will be cheaper this year. The kiddies can ride this year for 14 cents instead of 20 cents. Most of the adult rides will be 20 cents, with a few having a top price of 30 cents. Last year they ran as high as 45 cents.

A fine array of grandstand attractions has been engaged for both afternoon and evening attractions.

There will be auto races Sunday, Tuesday and Thursday afternoons. These will be sanctioned official IMCA championship events. Then, on Friday, rival drivers of the Racing Corporation of America will try to lower the marks set earlier in the week. The keen rivalry between these top outfits will insure championship performances in every race.

On Monday there will be 9 events in a special afternoon of motorcycle races put on by United Speed and Thrill Features. These will be professional races sanctioned by the American Motorcycle Association and featuring 2 dozen top-ranking U. S. motorcycle racing stars. Jimmy Lynch and his Death Dodgers will do their death-defying stunts on Wednesday afternoon. They also will perform Saturday evening, September 13, in the big Fair Preview.

The State Fair Follies of 1947 will be the featured attraction before the grandstand every evening. Many of the finest acts in the world will be grouped for your enjoyment.



"Your answers are all correct. I'm glad you're not getting your father to help you anymore!"



## \*Dr. Salsbury's ROTA-CAPS Remove Large Roundworms & Intestinal Capillaria Worms with Gentle Action, due to ROTAMINE No Serious Egg Loss

● Heavy infestations of large roundworms and intestinal capillaria worms can set back your birds, cost you money.

Remove these worms easily, economically with Dr. Salsbury's Rota-Caps, without serious egg loss. That's because only Rota-Caps contain Rotamine. Gentle, efficient action is easier on the birds.

### Individual Treatment Preferred 5 to 1

When you "Rota-Cap" your flock, each bird gets proper dosage. EASY to do. And Rota-Caps remove damaging intestinal capillaria worms many other treatments don't get. Preferred by poultry raisers, 5 to 1.

Don't risk needless feed and egg losses or harsher treatments. Give your birds dependable Rota-Caps. Get genuine Dr. Salsbury's Rota-Caps at hatcheries, drug, or feed stores, now.

### If you prefer Flock Treatment Get Dr. Salsbury's AVI-TON

Removes large roundworms and cecal worms. Contains Phenothiazine. Popular for convenient, efficient action. Just mix in wet or dry mash—job's done.

DR. SALSBUARY'S LABORATORIES, Charles City, Iowa  
A Nation-wide Poultry Service

Whenever you need help, ask for Dr. Salsbury's poultry medicines, fumigants, disinfectants, vaccines, and bacterins.



Dr. Salsbury's

# ROTA- CAPS

THE ONLY TREATMENT CONTAINING ROTAMINE



BUY AT DEALERS DISPLAYING  
THIS SERVICE EMBLEM

## TONIC BENEFITS For your Flock

### Easy to use

Drop handy tablets into drinking water; mix thoroughly. Test-proved with customary feeds.



### Double-Purpose DRINKING WATER MEDICINE

1. STIMULATES GROWTH in Young Birds (2 tablets per gallon) 2. Prevents spread of CECAL COCCIDIOSIS (8 tablets per gallon). Give your flock these unusual tonic benefits of REN-O-SAL now. Praised by thousands.

Dr. Salsbury's

# REN-O-SAL DOUBLE-PURPOSE DRINKING WATER MEDICINE



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are accepted  
in Kansas Farmer

PORKY'S Lonesome Since Parmak Came

Never Again Will I Roam

WHOO-There's A Hive Of Bees In It!

SEE THE NEW  
**PARMAK PRECISION ELECTRIC FENCER**

A Model for Every Need

- 1 A vita-Valve Hi-Line Combination 110-v. A.C. or 6-v. battery. Approved by Underwriters' Labs. Finest of its kind.
- 2 DeLuxe Field Model, housing both unit and battery—can be placed anywhere. Quality throughout.
- 3 DeLuxe Model using any type 6-v. battery. Complete with mounting bracket and battery cable.
- 4 Standard Field Model, housing battery—dependability at low cost.
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Prices low as \$11.50

All PARMAK models are precision built and approved by Underwriters' Labs. More in use than any other make.

SEE YOUR PARMAK DEALER or WRITE FOR DEALER'S NAME  
PARKER-MCCORMY MFG. CO., KANSAS CITY, MO.



AND FOR HEAVEN'S SAKE  
LOOK OUT FOR THAT NEW  
HORN-DRAULIC  
BULLDOZER BLADE!

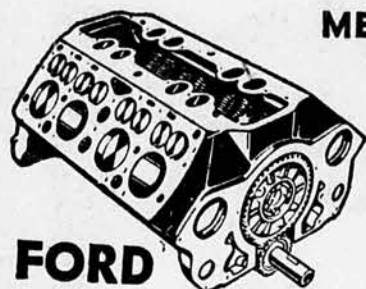
Naturally It Costs More  
Because It's Worth More

## HORN MANUFACTURING CO.

Fort Dodge, Iowa



# PRECISION REBUILT ENGINES



A-B and 9N TRACTOR  
V-8's—60-85-90-100 H.P.  
6 cyl. and GP-Jeep

Dodge, 33-46 ..... \$148.50  
Dodge, 3% Trk ..... 160.00  
Chrysler, 35-46 ..... 160.00  
DeSoto, 35-46 ..... 160.00  
Excise tax \$5.50 to \$8.00.

Freight Paid on Rebuilt Engine  
Shipped in U. S. A.

An exchange deposit of \$25.00 to \$35.00 on blocks, and \$6.00 on crates must be added until old engine in crate is returned.

Block Deposits Are Refunded in Full except when there are missing parts; or when trade-in engine is visually a junk engine, allowance of \$5.00 will be given.

NEW FORD BLOCK ENGINES: 1938 and up 90-100 H.P., \$25.00 extra  
When Ordering Engine Show Year, Model and Make

NEW PARTS for Ford, Chevrolet, Dodge, Plymouth. Parts for engines, transmissions, differentials, clutches, steering, bodies, etc. EXCHANGE REBUILT carburetors, distributors, fuel pumps, oil pumps, generators, starters.

When ordering give complete description of parts, number (if known), make and year car or truck, and engine number.

We will ship rebuilt engine before receiving trade-in

LARGEST ENGINE REBUILDERS IN THE WORLD

*Automotive Rebuilding Co.*

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President

Fits any  
4-Wheel  
Tractor



Workmaster  
No. 4  
Loader

The No. 4 Loader is especially designed for standard 4-wheel type tractors and will perform the heaviest farm jobs. Push beams go on outside of both front and rear wheels, and attached to a bar fastened to draw bar of tractor. Friction type hoist will lift heaviest loads and self-balancing scoop bucket will return to scooping position without use of chains or spring.

See the WORKMASTER EXHIBIT  
Kansas State Fair, Hutchinson, September 14-19

If you can't attend, write us for name of your nearest dealer.

HIATT EQUIPMENT CO., Gallatin, Mo.  
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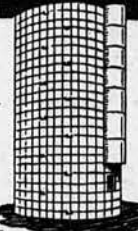
GOOD  
FARMING  
PAYS



NEW  
WESTERN SPROCKET PACKER & MULCHER

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

CONCRETE STAVE SILOS



We are now taking orders for immediate erection of Lindsey made silos. A name known in silos for over a quarter of a century. Built of finest concrete staves, reinforced with steel. Let experience build you a good silo.

Write for Free Information Today!

CONCRETE STAVE SILO CO.  
Box 264 Topeka, Kan.

## What "Vets" Talked About

(Continued from Page 29)

culture and industry. Former "waste products" from tomato and fruit canning plants are being used, and livestock nutritionists are experimenting with leftovers from the dehydration of vegetables and fruits.

Today's high prices of meat and dairy products have brought home to the farmer, more than ever before, the fact that "there is no profit in starving animals," said the committee report.

Farmers have learned the importance of adequate rations for livestock, the report said. Thus the demand for supplemental feeds has been greatly increased, and this has stimulated the production of new feeds.

## Aid for Turkeys

Spectacular results have been obtained with the use of one of the newer drugs, sulfamerazine, for treatment of fowl cholera in turkeys, the association was informed.

Dr. J. O. Alberts, of the University of Illinois, described the latest experiments in sulfa treatment of the disease.

Forty adult tom turkeys were exposed to a deadly dose of the germs of fowl cholera. Thirty were treated at once, and twice daily for 2 days, with sulfamerazine. Ten of the turkeys received no drugs. All of the treated birds recovered, and all of the untreated birds died.

Some of the treated turkeys suffered a recurrence of the disease later, but losses ceased when the sulfa drug was administered again, Alberts reported.

An outbreak of fowl cholera in a flock of 2,971 tom turkeys on range provided an opportunity for a field trial. A marked reduction in losses was noted when sulfamerazine was added to the mash, Doctor Alberts reported.

## Tough to Control

Swine brucellosis, now one of the 3 most serious disease problems in the nation's hog herds, was indicted on 7 counts at the convention. Dr. C. A. Manthel, veterinary scientist at the Federal Government's animal disease station, Beltsville, Md., cited 7 characteristics that make brucellosis so difficult to control:

(1) Infection invades the body in various ways—thru the mouth, eyes, reproductive organs and skin.

(2) Swine of both sexes and all ages are susceptible.

(3) Symptoms are different in different cases—abortions, stillborn or weak pigs, sterility and partial paralysis.

(4) The trouble may "localize" in any of the body tissues.

(5) Infection persists in the animal's system for as long as 3 years.

(6) Blood testing, altho it is highly effective in detecting brucellosis in a herd, is not a reliable means of diagnosing individual cases.

(7) Vaccination is effective for only a limited period, producing a "serviceable resistance" for 9 months but "wholly ineffective" after 24 months.

## Mysterious Pig Disease

Unusual losses in America's baby pig crop last spring were complicated by the appearance of a mysterious new type of virus disease, according to a report to the convention.

The organization's committee on diseases of food animals said part of the alarming loss of spring pigs was caused by an unidentified type of infection, probably "of a virus nature."

If a repetition of this year's disastrous experience is to be avoided, the committee declared, there must be a more thorough understanding of the "infections and factors" now grouped under the "swine dysentery complex." In other words, the report added, more effective and specific methods of preventing and controlling these conditions must be developed.

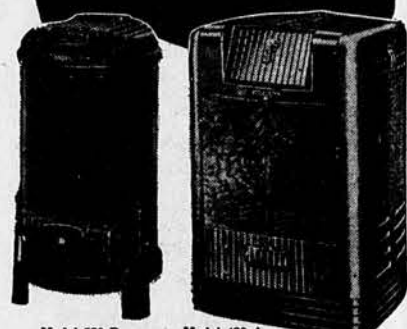
Brucellosis, hog cholera, erysipelas and tuberculosis were listed as other major disease problems.

"Several million dollars have been appropriated to keep foot-and-mouth disease out of the United States," the committee said. "We might well afford to spend a like sum to eradicate hog cholera in this country. With the rapid turnover in hog population, we might do it in 5 years with proper organization."

So Nice  
to Come Home To..



WARM MORNING  
COAL HEATER



Model 520-B.  
100 lb. Coal Cap.  
or Model 524-B.  
200 lb. Coal Cap.

Model 420-A.  
100 lb. Coal Cap.  
Has built-in Auto-  
matic Draft Regulator.

There's clean, healthy, friendly warmth in your home when you have a WARM MORNING Heater. Amazing, patented inner construction... a great heat-maker and fuel saver! Burns any kind of coal, coke, briquets. Heats all day and night without refueling. Start a fire but once a year. More than a million in use! See your local dealer.

SPECIAL OFFER—HOMES PLAN BOOK!

A beautiful 16-page book in colors containing floor plans and elevations for 12 distinctive, low-cost homes designed by nationally-known architect. A regular 50c book for only 25c. Send a quarter for your copy... NOW!

LOCKE STOVE CO.

Dept. 13

114 W. 11th St., Kansas City 6, Mo.

8-15



NEW  
HOLLAND

Field Baled Hay  
Loader With  
Floating Pickup

Fits to side of truck or wagon. Handles seven bales per minute. Powered from ground wheels and handles bales at any angle. Write for literature and prices.

To A. A. KLUGHARTT MACHY, CO.,  
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FARMING  
FOR  
PROFIT

A Dodson Silo will reduce production costs of beef or butter fat. It will conserve surplus and make feeding easier. Ask for literature.

DODSON MANUFACTURING CO., INC.  
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GET THE  
FORDRAULIC LOADER  
I'M STUCK AGAIN!

Naturally It Costs More  
Because It's Worth More

HORN MANUFACTURING CO.  
Fort Dodge, Iowa



## HEALTHY, MEATY FOWLS



Stronger bones, perfect feathering, more eggs with harder shells, when you keep Pilot Brand Oyster Shell before them all the time.



FOR POULTRY

**Certified**  
**WHEAT SEED**  
*Kansas Grown*  
**For Better Yields!**

• PAWNEE  
• WICHITA  
• COMANCHE  
• TENMARQ

Certified Seed is your protection. It's your assurance for the finest seed adapted to your farm. Remember... There's a Certified Seed Grower in your community. Get his name from your County Agent, Elevator Man or write to...

**KANSAS CROP IMPROVEMENT ASSN.**  
**MANHATTAN, KANSAS**

**NO MORE POULTRY WORMS SINCE I USED DANNEN PHENO-NICOTINE TABS!**

**DANNEN PHENO-NICOTINE TABS**

Quickly and effectively kills large round worms and cecal worms from poultry without retarding egg production or healthy growth. Tablet form of DANNEN PHENO-NICOTINE TABS insures correct dosage. Always keep a stock on hand.

**Bottle of 100 Tablets . . \$1.00**

**SCREW WORM-X**  
(Smear 62)

Kills screw worms . . repels screw worm fly. Prevents infestation of new wounds. Take no chances . . . never be without Screw Worm-X.

**1/2 pint jar . . . 45c**

DANNEN MILLS, Inc. St. Joseph, Mo.

Ask for **DANNEN REMEDIES** at Drug Hardware Feed Stores

## More Wheat

(Continued from Page 5)

state alone. Much of this land lies between the Arkansas and the Smoky Hill rivers.

But what do farmers say about it? Fred J. Hartner, vice-chairman of the PMA in Clay county, says the average in Clay has been about 130,000 acres. This year it was nearer 160,000 and he fully expects more in the county next year if farmers can get it seeded this fall. He said he had heard of some sod being turned, but for the most part the increase would be due to wheat seeding on ground usually reserved for oats and row crops.

Alonzo Swenson, Clay county, manages approximately 3,000 acres. He expects a slight increase of wheat seeding on the land he manages, but it would be at the expense of corn. While increasing their wheat acreage, he said, they also were increasing the use of sweet clover.

Marshall and Floyd Stewart, Clay county, expect to seed as many acres this year as last. When prices become less favorable they hope to divert some land to legumes and summer fallow.

Smith brothers, Ralph and Murray, of Clay county, handle quite a large acreage and expect to hold about even on wheat unless the corn burns up. In that case they expect to increase wheat seeding considerably this fall.

Besides a half section they farm in Ellsworth and Rice counties, Art Wilkens and sons, Lorraine, have five 80's in Ness county. We talked to J. C. Wilkens, one of the sons, just after he had returned from Ness. He reported he did not see a lot of sod being broken up. Everybody out there would like to summer fallow more, he says, but they had more acres in wheat this year than they wanted and he believed it would go back to wheat again this fall.

But Mr. Wilkens believes they can raise the same amount of wheat off their Ness county acreage when summer following a third of it. After this year, if the price goes down, he believes, we will see more summer fallowing than ever before.

A little second guessing on this year's huge crop is easy. But it is a fact that soil and moisture conditions were favorable. After an early harvest in the summer of 1946, ground was worked early. It was dry thru the summer, but good fall rains brought the wheat along and an unusual amount of spring moisture did its share toward making the record-breaking crop.

So far this year conditions are not so favorable. The harvest was late and soil could not be worked early. Disking and plowing were late. In some cases where it was not worked immediately after the crop had been removed, some ground became almost too hard to work.

From that standpoint we must pin our hopes for a crop next year on bountiful rains coming at the right time both in fall and spring.

At a time like this it may be well to recall experiences of a farmer like Fred Mosher, in Thomas county. After nearly 50 years of dry-land farming, he looks on summer fallowing as imperative to raise good crops consistently. If summer-fallowing methods are followed extensively and stubble turned under, he believes, it would prevent a recurrence of wide-spread blowing.

Many of our younger farmers have come to accept those views, too. Dale Blair, young Haskell county farmer, is convinced that summer fallowing will pay off in more bushels from the same acreage year in and year out.

## Alfalfa in Silo

Like many farmers in Kansas, Raymond and Albert James, Clay county, put alfalfa in their silo this year for the first time. The crop was wilted and prepared for ensiling with a field chopper. Later they expected to put atlas sorgo on top the alfalfa silage.

These brothers farm 960 acres, of which 600 is cropland. Included among their crops are 115 acres of alfalfa which is permitted to stand 4 years before going to other crops. They use it for soil building as well as for ensilage and hay. To supplement alfalfa as a soil builder, they also use some sweet clover in rotation.

Their cattle-feeding program makes alfalfa production a necessity for them. By using legumes in the silo, it lends even greater importance to soil-building crops.

## AMES PORTABLE EFFICIENT WATERING EQUIPMENT for 37 Years

**HELP**  
Save Time and Work  
with  
**AMES PORTABLE Perf-O-Rain**  
gentle **RAIN**

Full germination, steady growth, quality crops, maximum tonnage. In use from Miami to Honolulu, New England to San Diego. Lightweight, portable one-man systems. No Sprinkler heads. Low pressures. Low costs.

and also:

- Portable SURFACE PIPE for Flooding
- Portable GATED PIPE for Furrowing
- SYPHONS • FURRO-TUBES

Pasture • Corn • Beets • Potatoes • Citrus  
Nuts • Fruits • Truck • Berries • Alfalfa

Send coupon below to nearest plant

**W. R. AMES CO.**  
150 Hooper Street • San Francisco 7

W. R. AMES COMPANY, Dept. L, 150 Hooper Street, San Francisco 7, California or Dept. L, 3905 East Broadway, Tampa 5, Florida

Gentlemen: Please send me free your illustrated folder and layout chart. I am interested in Sprinkler ☐ Flood ☐ Furrow ☐.

Name..... Town..... Address..... State.....

## TONGUE-LOCK DIAMOND TOP Concrete Stave Silo



Longest possible service with the least possible worry and trouble are the big features you will enjoy in your McPHERSON TONGUE-LOCK DIAMOND TOP CONCRETE STAVE SILO. You also have our 34 years of experience to assure you of a better silo.

Contract now for a McPHERSON Silo

**McPHERSON CONCRETE PRODUCTS CO.**  
323 North Ash Street  
McPHERSON, KANSAS

**Continue Buying United States Savings Bonds**

## NEW FARM-SIZE SCRAPER TO BE DEMONSTRATED DAILY AT THE TOPEKA AND HUTCHINSON FAIRS



This new farm-size hydraulic scraper, enabling farmers to build their own ponds, dikes, waterways and terraces, will be shown in action daily at the Kansas Free Fair, Topeka; and at the Kansas State Fair at Hutchinson.

It created a sensation at the big Missouri State Fair at Sedalia, August 17-23, where thousands saw the many soil-moving jobs it will do.

This scraper, a product of the Henry Manufacturing Co., Inc., Topeka, has

a capacity of 1 1/4 yards. It can be pulled by any farm tractor, 2 plow or larger. Centralized controls at the tractor seat enables one man to operate easily both tractor and scraper on all kinds of jobs. The Henry scraper loads from the front and unloads at the rear with a patented rear-dump action. Material can be dropped exactly where wanted.

Every farmer will want to see the Henry scraper in action at the coming fairs.—Advertisement.





**Resources, Assets and Ability to CREATE A GREAT NEW OIL!**

**CO-OP MOTOR OIL** Solvent Refined WITH FURFURAL

Thousands of farmers in the midwest own Consumers Cooperative Association.

Over the years, they have watched their CO-OP grow from headquarters about the size of a two-car garage to ownership of refineries, pipe-lines, oil wells . . . facilities which are making possible the development and production of great new lubricants.

The new CO-OP Solvent Refined Motor OILS — in Premium and Heavy Duty grades — symbolize the creative contribution which cooperation is making to the needs of our time. Their superior quality emphasizes, too, how the chief concern of any CO-OP is to build for the special requirements of its thousands of owners . . . the thousands of farmers who, by buying CO-OP, are in business for themselves.

For information about co-ops, write . . .

**CONSUMERS COOPERATIVE ASSOCIATION**  
P.O. Box No. 2359 Kansas City 13, Missouri

Stop at your co-op today, or call your tankwagon man.



RELIABLE ADVERTISERS ONLY are accepted in Kansas Farmer

**INTERLOCK WHITE TOP SILO**

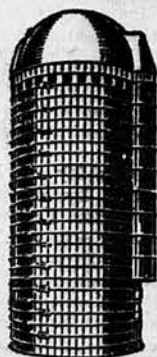
See Our Exhibit

KANSAS FREE FAIR  
TOPEKA  
September 6-13

KANSAS STATE FAIR  
HUTCHINSON  
September 14-19

WRITE FOR FREE DESCRIPTIVE FOLDER

**INTERLOCKING STAVE SILO CO.**  
720 N. SANTA FE WICHITA, KANSAS  
Plants — Wichita, Cherryvale, Kansas  
— Enid, Oklahoma



### Trend of the Markets

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

	Week Age	Month Age	Year Age
Steers, Fed . . . . .	\$31.75	\$31.00	\$18.50
Hogs . . . . .	28.00	29.00	15.95
Lambs . . . . .	28.00	23.25	18.75
Hens, 4 to 5 lbs. . . . .	.17	.17	.23
Eggs, Standards . . . . .	.41½	.40½	.38
Butterfat, No. 1 . . . . .	.72	.67	.72
Wheat, No. 2, Hard . . . . .	2.57½	2.40½	2.00
Corn, No. 2, Yellow . . . . .	2.40	2.36	1.77½
Oats, No. 2, White . . . . .	1.15	1.08	.80
Barley, No. 2 . . . . .	1.73	1.63	1.47
Alfalfa, No. 1 . . . . .	30.00	28.00	31.00
Prairie, No. 1 . . . . .	16.00	17.00	19.00

Farmers and breeders filled the sale pavilion on the R. E. BERGSTEN & SON farm for their Hampshire bred gilt sale August 25. Prices received were very satisfactory. Forty-five head were sold for an average of \$115 a head. A top of \$250 was paid by O'Bryan Ranch, of Hiattville, for a daughter of Progressor and carrying the service of the Showpiece. Showpiece is the new herd sire the Bergstens selected in the McGuire herd of Wisner, Nebr. He is an outstanding individual and we are sure we will hear of him many times in the future.

### Public Sales of Livestock

**Angus Cattle**  
September 20—Northeast Kansas Breeders' Association at Hiawatha. Harry Dandliker, Manager.  
September 22-23—Ralph L. Smith Farms, Lee's Summit, Mo.

**Ayrshire Cattle**  
September 15—Bryan Fisher (Dispersal), Meade, Kan. Frank V. Lile, Sale Manager, Bellefontaine, Ohio.

**Brown Swiss Cattle**  
October 22—Tri-State Breeders' Sale, Free Fair Grounds, Topeka, Kan. Ross Zimmerman, Sale Secretary, Abbeyville, Kan.

**Guernsey Cattle**  
October 17—Kansas Breeders' Association, Topeka, Kan. W. G. Ransom, Jr., Secretary, Homewood, Kan.

**Hereford Cattle**  
September 8—Mrs. G. A. Smith, Moberly, Mo.  
September 23—Kenney Bros., Butler, Mo.  
October 8—C. L. Burt Dispersal Sale, Hutchinson, Kan.; Vic Roth, Sales Manager, Hays, Kan.

October 9—Luft Dispersal Sale, Bison, Kan. Vic Roth, Sales Manager, Hays, Kan.  
October 10—C. K. Ranch, Brookville, Kan.  
October 17—Frank R. Conell, El Dorado, Kan.  
October 18—Ed Hutt, Lonejack, Mo.

October 28—Miller Herefords, St. Marys, Kan.  
October 28—L. J. Bodine, Great Bend, Kan.  
October 29—T. L. Welsh, Abilene, Kan.  
October 31—Haven Hereford Breeders, Hutchinson, Kan.

November 4—North Central Kansas Hereford Association Show and Sale, Concordia, Kan. George Wreath, Manager, Belleville, Mo.  
November 10—Cowley County Hereford Breeders, Winfield, Kan.

November 11—W. H. Tonn & Son, Haven, Kan.  
November 12—J. H. Banker, Salina, Kan.  
November 14—Northwest Kansas Hereford Breeders, Atwood, Kan.

November 18—Wabaunsee County Hereford Breeders' Association, Alma, Kan., Howard C. Meyers, Secretary.  
November 19—Dickinson County Hereford Breeders' Ass'n, Abilene, Kan. V. E. McAdams, Secretary, Abilene, Kan.

November 21—Sunflower Futurity, Hutchinson, Kan.  
November 29—The Saline County Hereford Breeders' Association Show and Sale, Elmer L. Johnson, Secretary, Smolan, Kan.

December 1—Ed Barnes Dispersal Sale, Collyer, Kan. Vic Roth, Sales Manager, Hays, Kan.  
December 18—Flint Hills Hereford Association, Cottonwood Falls, Kan. R. R. Melton, Secretary, Marion, Kan.

February 2—Walte Bros., Winfield, Kan.  
**Polled Hereford Cattle**  
October 27—Mid-West Polled Hereford Breeders, Marysville, Kan. Bernard Hart, Sale Manager, Blue Springs, Kan.

November 14—Plain View Farms, Jesse Riffel & Sons, Enterprise, Kan.  
December 6—Roy E. Dillard, Salina, Kan.

**Holstein Cattle**  
September 16—Jules Pierlow, St. Louis, Mo. Glenn G. Davis, Sales Manager, Columbia, Mo.  
October 6—Win-View Farm complete Dispersal, John Elam, Winfield, Kan. T. Hobart McVay, Sales Manager.

October 27—Kansas Holstein State Sale, Abilene, Kan. John Heersche, Chairman, Mulvane, Kan.  
November 6—St. Joseph Home, Abilene, Kan. E. A. Dawdy, Sale Manager, Salina, Kan.

November 13—Central Kansas Holstein Breeders' Sale, Hutchinson, Kan. T. Hobart McVay, Sales Manager.

**Jersey Cattle**  
September 23—Mr. and Mrs. George Schurle, Manhattan, Kan.  
November 5—Kansas Jersey Cattle Club, Fair Grounds, Hutchinson, Kan. Ray Smith, Secretary, Hutchinson, Kan.

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

November 7—Mid-Kansas Breeders' Association, Salina, Kan. Mervin F. Aegerter, Seward, Nebr.

**Milking Shorthorn Cattle**  
October 27—Kansas Milking Shorthorn Sale, Hutchinson, Kansas. O. O. Heidebrecht, Secretary, Inman, Kan.  
November 12—McPherson-Rice County Breeders, sale at McPherson.

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

**Duroc Hogs**  
September 30—Tom Cox, Tone Durnell, Olen Durnell, Odessa, Mo.  
October 8—Herman Popp, Haven, Kan.  
October 22—Wayne L. Davis, Fair Grounds, Fairbury, Nebr. (Night Sale)

**Hampshire Hogs**  
September 16—Kansas Breeders' Association, State Fair Grounds, Hutchinson, Kan. C. G. Eiling, Sales Manager, Manhattan, Kan.

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

**Poland China Hogs**  
October 6—Gordon McLin, Silver Lake, Kan.  
October 16—Kansas Poland China Breeders' Assn. Sale, Fair Grounds, Hutchinson, Kan. Ray Saylor, Manager, Manhattan, Kan.

**Spotted Poland China Hogs**  
October 16—(Night Sale) Virgil E. Walter & Son, Rock Port, Mo.  
October 27—Wayne L. Davis, Fair Grounds, Fairbury, Nebr.

The **HEREFORD HOG BREEDERS** of Kansas held their consignment sale August 6 at Marysville. They were unfortunate in drawing one of the hottest days of August. But nevertheless the sale was very successful. The top gilt in the offering from the Charles Booz consignment was purchased by V. P. Jack Searing, of Dodge City, at \$225. The entire offering made a general average of \$108. Milt Haag, of Holton, very ably managed the sale. Col. Bert Powell was the auctioneer.

The recent **WILLIS HUSTON** Duroc sale, although on one of the hottest days of the year, was very well attended and prices were better than might have been expected. Nineteen bred gilts sold for \$2,000, an average of \$105.25. Ten bred sows sold for \$962.50, an average of \$96.25. Ten spring boars sold for \$555, an average of \$55.50. Seven spring gilts brought \$337.50, an average of \$48.21. The top female went to Rolla Holland, of Cedarvale, at \$150, and the top boar to Gainesboro, Tenn., at \$100. Second top female went to N. H. Wilson, of Dunlap, for \$135. Bert Powell was the auctioneer. The entire offering of 45 head sold for \$3,855, a general average of \$96.37.

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### Dairy CATTLE

#### Attend the Jules Pierlow Holstein Dispersal

At the farm  
**ST. LOUIS, MISSOURI**  
12 Noon—Tuesday  
September 16



#### 81 REGISTERED HOLSTEINS

The Sales Offering: Two bulls sell, Creston Rag Apple Rocky and Creston Rag Apple Twenty Grand, both fine individuals from high-producing dams. 42 females sell bred to these two bulls. 6 daughters and 1 son of Montvic Rag Apple Chief sell and 4 daughters and 3 sons of Creston Twenty Grand are selling. Sons and daughters of other leading sires sell. All cows with production records, many from 500 to 700 pounds. A health certificate with every animal selling. Bang's free. Calfhood vaccinated since 1945.

For sale catalog write at once to

**GLENN G. DAVIS**  
Columbia, Mo.

Sale headquarters, Park Plaza Hotel

#### Reg. Serviceable Age HOLSTEIN BULLS

Out of cows with official butterfat records of 690 lbs. in 365 days and 527 lbs. in 227 days. Good individuals and sired by top bulls of the state.

**WALTER J. BECKNER**  
Belle Plaine, Kansas

#### Smoky Valley Holsteins

Carnation Countryman in Service. Bull calves for sale.

**W. G. BIRCHER & SONS**, Ellsworth, Kansas

#### 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.**

#### Holstein Bulls For Sale

Serviceable age, carrying the blood of State and World Champion Cows.

**GILBERT BEAGEL, ALTA VISTA, KANSAS**

#### Wood Creek Reg. Guernsey Farm Dispersal Sale

Friday, September 26, 12:00 Noon

at farm, located 1 mile south and 3 1/4 miles east of Boeling Plant, Wichita, Kansas.

40 HEAD—Cows, Bred Heifers, Open Heifers, Herd Bulls and Calves, including:

7 Head—5- and 6-year-old granddaughters of Langwater Count.

20 Head—6 mo. to 4 years, granddaughters of Langwater County Squire.

1—3 1/2-year-old granddaughter of Langwater King of the Meadows.

2—3-year-old granddaughters of Gaylord's Arbitrator.

2—6-year-old granddaughters of Meadow Lodge Rex's Western King.

2—4- and 5-year-old granddaughters of Meadow Lodge Rex's Clarion.

2—Herd bulls, 2 and 4 years old, both sons of Langwater County Squire.

Also several well-bred bull and heifer calves under 6 months.

Catalog on request—  
**C. H. PUGH, Owner**  
467 Union National Bank Building  
Wichita 2, Kansas

#### REGISTERED GUERNSEYS

Since 1906 High Production. Correct Type. Popular Bloodlines.

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



#### STARKS' REGISTERED AYRSHIRES LEAD

85 Females in Herd

Strathbar Lucky Star in Service

Production records have been made for the past 20 years. Present yearly herd average 421 lbs. fat, mature equivalent 447 lbs. Cows with yearly records up to 587 lbs. fat. Herd classified. Come and see us and our herd. Breeding stock most always for sale.

**R. E. STARK & SON**  
Abilene, Kansas

#### Throughout Jerseydom ROTHERWOOD JERSEYS

Are recognized as Superior!  
**ROTHERWOOD, LAND OF OZ**  
Hutchinson, Kansas

#### JERSEY BULL CALVES (Reg.)

Up to 4-Star rating. Sired by outstanding group of sires headed by King Wonderful Aim—Highest rated Jersey bull in service in the United States. Write for low delivered prices.

**RIDGE RUN FARMS**, Box 261, Aurora, Mo.

#### Registered Brown Swiss Bulls

For sale—calves to serviceable age.

**WM. MAHANNAH**  
Atlanta (Covlev county), Kansas



# HOGS

## October 8

Is the Date of the  
**HERMAN POPP DUROC SALE**  
Haven, Kansas

Selling 35 Spring Boars and Gilts and several late bred sows. Watch coming issues of Kansas Farmer for more information.

Auctioneers: Harold Tonn & Gus Heldebrecht

## Choice Duroc Spring Boars and Gilts

Quality with breeding to match. Sired by Seco Down, a great son of the great boar, Seco Lo-Down and out of sows deep in the blood of Golden Fancy, Kant-Be-Beat and Perfect Orion. Inspection invited.

**ALLEN LARD**  
Clay Center, Kansas

## BARROW SHOWS PROVE

Chester Whites, kings of the Show Ring. Feed Lot, Packer's Block. For more hog profits, raise the kind packers prefer — Chester Whites. Write for Free Facts. The Chester White Swine Record Ass'n. Levi P. Moore, Sec'y, Rochester, Ind.

## DUROCS!

Spring boars sired by Topper and several from a great P. E. litter by Lo-Down Fancy. Also a few gilts bred to Topper and Kansas Spotlight for fall litters. G. F. GERMANN & SON, Manhattan, Kansas

## CHOICE DUROC GILTS

Sired by Top Crown by Crown Prince, Illinois Champion and bred to Quality Lad and Gold Crown. Both have quality and color. Gilts are dark red. Good quality. Also two fall boars and spring pigs by Top Crown. H. M. HOOK & SON, Silver Lake, Kan.

## Registered Duroc Hogs

Choice bred sows and gilts, also a few choice spring pigs. Double immunized. Priced to move. HOWARD C. TALIAFERRO, Leon, Kansas

## SHEPHERD'S SUPERIOR DUROCS

All bred gilts sold until June and later farrowing bred to Lo Thickmaster and Super Spot Light. Fall pigs by Proud Cherry Orion and Uneda Broadway. Double immunized. Registered. Kansas' oldest herd. G. M. SHEPHERD, LYONS, KANSAS

## O'BRYAN RANCH

### Reg. Hampshires

Production tested—Packer—Farmer Type. Housewife Approved. For economical pork production we have the correct type. Desirable breeding stock always for sale. (Hattville is just a few miles S.W. of Nevada, Mo.)

Hattville  
Kansas

## BERGSTEN'S HAMPSHIRE

Now offering outstanding spring boars. Immunized and registered new blood for old customers. "The Showpiece" and "Contests Ideal." Also open gilts. R. E. BERGSTEN & SONS, Randolph, Kansas

## ETHYLEDALE FARM

Herd Sires  
**BRIGHT GLOBE SPOTLITE SUPREME SPOTLITE JR.**  
100 fall pigs, boars and gilts, ready for new homes. Dale Scheel, Emporia, Kan.

## REG. SPOTTED POLANDS

Bred Gilts, also Spring Boars and Gilts. Double Immunized. Write or visit. SUNNYBROOK FARM, Richland, Kansas H. E. HOLLIDAY

## Spotted Poland China Hogs

Bred gilts sired by True Model (1946 Grand Champion Kansas State Fair) and bred to a son of Top Flash to farrow in September. Also spring pigs, unrelated pairs. Right prices. EARL & EVERETT FLEISER, Norwich, Kansas

## FOR SALE SPOTTED POLANDS

Spring boars and open gilts. Leading bloodlines and good quality. Cholera immunized. HENRY G. BLETSCHEE, Bala, Riley county, Kansas.

## YORKSHIRE HOGS

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

**Berkshire Boars, Yrl. Oxfords Rams**  
All registered. Serviceable boars and gilts, unrelated, by War Eagle Lad, Bar None Supreme, from Duchess Chatter, Black Girl sows. Write, special prices. FRED M. LUTTRELL, Paris, Mo.

## OFFERING CHESTER WHITE

Bred gilts to farrow in September and October. Not registered. \$60 each. W. A. HEGLE, Lost Springs, Kansas

## HEREFORD HOGS

Expressed C. O. D. subject to your approval. High-winning herd National show. Bred gilts. Boars. Unrelated pigs. Circular. YALEHURST FARMS, PEORIA, ILL.

# Classified Advertising Department

## KANSAS FARMER Classified Advertising

### WORD RATE

10c per word each issue. Minimum—12 words. Names and addresses are part of ad, thus are billed at per-word rate.

Livestock Ads Not Sold on a Per-Word Basis.

### DISPLAY RATE

Column Inches	Cost Per Issue	Column Inches	Cost Per Issue
1/4	\$4.90	2	\$19.80
1/2	9.80	3	29.40

Minimum—1/4-inch. Cuts and borders are permitted only in Poultry, Baby Chicks, Livestock and Pet Stock Ads. Write for special display requirements.

### LIVESTOCK ITEMS

Make More Profits under average farm conditions. Raise Milking Shorthorns. For average farmer Milking Shorthorns are unbeatable. Produce 4% milk. Have greater carcass value than other breeds. Second to none in producing milk and meat from home-grown roughage and grain from your farm. Free facts. Or subscribe to Milking Shorthorn Journal. Six months, 60c; one year, \$1.00. American Milking Shorthorn Society, 809 W. Exchange Ave., U. S. Yards, Dept. KF-53, Chicago 9, Illinois.

"How to Break and Train Horses"—A book every farmer and horseman should have. It is free, no obligation. Simply address Beery School of Horsemanship, Dept. 439, Pleasant Hill, Ohio.

### DOGS

English Shepherd; Puppies. Breeder for 22 years. Shipped on approval. 10c for pictures and description. H. W. Chestnut, Chanute, Kan.

Shepherds, Collies, Healers, Watch Dogs. Zimmerman Kennels, Flanagan, Illinois.

Rat Terrier Puppies. Bred for ratters. Crusader Kennels, Stafford, Kansas.

Toy Fox Terrier Pups, good ratters. Thomas Spachek, Lincolnville, Kansas.

### MACHINERY AND PARTS

#### NEW AND USED TRACTOR PARTS

Write for big, free 1947 catalogue; tremendous savings. Satisfaction guaranteed. Central Tractor Wrecking Co., Des Moines 3, Ia.

### PRODUCE WANTED

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

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

### EDUCATIONAL

**AUCTION SCHOOL** Learn Auctioneering America's Leading Auctioneers Teach You. Students sell actual Sales. Largest school in world. 14 years in operation. Don't be misled. Term soon. Free catalog. Write: REISCH AUCTION SCHOOL, Mason City, Iowa

Make Up to \$30-\$40 Week as a Trained Practical Nurse! Learn quickly at home. Booklet free. Chicago School of Nursing, Dept. F-9, Chicago.

### HELP WANTED

Woman to Do Housework and help with baby in Minister's home. Mother employed part time. No heavy laundry. Address Mrs. L. E. Schwarz, 1252 College, Topeka, Kansas.

## IN THE FIELD



**Jesse R. Johnson**  
Topeka, Kansas  
Livestock Editor

and MIKE WILSON, Livestock Fieldman, Muscotah, Kansas.

Information from many sources indicates the biggest and most complete Kansas State Fair in the history of the event. Livestock entries at present promise every stall and other available space being filled. Recent state-wide rains sufficient to complete fall plowing insure record attendance. Secretary Sam Mitchell, and his staff of trained assistants, are doing everything possible for a bigger and better fair, and for every possible comfort for farmers and their families who plan to spend at least a part of their time at Hutchinson starting September 14 and ending on September 19. Farmers and other Kansans should remember this is theirs to enjoy.

A. LEWIS OSWALD, owner and manager of the noted Rotherwood Jersey farm located at Hutchinson, recently received word from Col. Rod Douglass Blair Atholl, of Johannesburg, Africa, advising that the young Jersey bull, Abbott of Oz, had arrived safely after a 6 weeks voyage across the Atlantic. Abbott of Oz is the first American-bred Jersey bull ever to go to South Africa. He is to be followed by two other Rotherwood bred sires, one of them is a 6-star son of Zanthra of Oz, the breeds first and only 7-star superior sire. Rotherwood's has been designated as a Gold Star herd, the first in Kansas. This is a recognition of a herd average of better than 450 pounds of butterfat for 4 consecutive years.

Seventy-five visitors, bidders and buyers attended the HENRY L. NEUFELDT Duroc sale held at the fairgrounds in Hutchinson August 20. The hogs were presented in good breeding form, none overfitted. The bred gilts and sows sold for an average of \$117.65; spring open gilts, \$40, and spring boars, \$54. Vard Sawyer, of Conway, took the top boar at \$99. Highest priced gilt sold for \$125. Edgar Neufeldt, of Inman, was the buyer. Gus Heldebrecht was the auctioneer.

### FARM EQUIPMENT

#### Milkers—Parts—Service

Large stock of replacement parts for all milking machines. Natural rubber inflations. Farm dairy room supplies. GENERAL PRODUCTS—Surge Distributors. 157-59 N. Emporia Wichita, Kansas

New Water-Flameproof Tarpaulins with eyelets. Ideal machinery, hay covers, 14x16', weight 26 lbs., \$14.56; other sizes, 6 1/4 sq. ft. Deposit 50%; balance COD plus shipping charges. Money back guarantee. A-Gee Mfg. Co., 7209 Vincennes, Dept. E, Chicago 21, Illinois.

Bale Ties for sale, also Hay Press Blocks. We need Straw. Write for prices. Osborn Hay & Milling Co., Oskosh, Wis.

Windmills—direct from factory, \$33 up. Guaranteed 5 years. Free literature. Write today. Currie Windmill, Box 501, Salina, Kansas.

Cement Block Outfit complete \$40. Write. Grant, 1351 E. Grogan Pl., St. Louis, 14, Mo.

### ELECTRICAL EQUIPMENT

#### DELCO LIGHT

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

### MACHINERY WANTED

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

### OF INTEREST TO WOMEN

Famous Black Rock Muslin only 39c a yard!—your favorite unbleached muslin, or sheeting, direct from South Carolina Mills! Not an ordinary muslin, but dependable Black Rock—a fabric name that's meant high quality for more than 100 years! You'll want yards and yards at this amazing low price. Order today from the world's largest exclusive cotton mail order house. Enclose check or money order. Satisfaction guaranteed or money back! Get Free Copy of New Fall Catalogue showing wonderful cotton values for the whole family at economical money-saving prices. Write Dept. 138, South Carolina Mills, Spartanburg, S. C.

Quilt Pieces—Prints, Percales, broadcloth. Fast color, guaranteed. 100 for 25c. Sample 10c. Send for your bundle today. G.H.S. Service, Dept. K, 1447 North Broadway, Wichita, Kansas.

Eastside Maternity—Seclusion Hospital for unmarried girls. State licensed. Working reduces expenses. 4911 E. 27th, Kansas City, Mo.

Free Catalog Pillow Cases stamped for embroidery. Write Western Artwork Co., Box 1151, Pasadena, Calif.

### REMEDIES AND TREATMENTS

Free Book—Piles, Fistula, Colon-Stomach, associated conditions. Latest methods. Thornton & Minor Clinic, Suite C906, Kansas City, Mo.

### FILMS AND PRINTS

Beautiful Summerless Reprints only 2c each. Rolls developed two guaranteed prints made from each negative 25c. Your favorite Photo copied and 12 Billfold size prints made from it 50c. Enlargements—why pay more? Two 5x7 enlargements 25c. Five 8x10 enlargements only \$1.00. Send negatives. Summers Studio, Unionville, Mo.

Prompt Service. Two prints ("Never Fade" Deckledge Velox) of each negative on roll 25c. Highest quality. Reprints as special offer. Write Welch Photo Company, 2418-32 Penn. Minneapolis, Minnesota.

Amazing new process. Perfectly toned premium quality prints. Any size roll, any number of exposures developed and printed 19c. Overnight service. 30-day offer. Perfect-Tone Photos, Janesville 9, Wisc.

18 Christmas Cards and envelopes \$1.00, 60—\$3.00, send negative. Three prints each 8 exposure roll 40c. Two each 35c. One each 25c. Reprints 3c. Fred V. Eastman, Bode, Iowa.

25c Roll Developed with 16 Velox Deckledge prints. Quick service. F. Skrudland, Lake Geneva, Wisc.

2c—Velox Reprints. Roll developed 16 prints 25c. Photographer, Lake Geneva, Wisc.

### FARMS—KANSAS

400 Acres well-improved farm, plenty water, modern 5-bedroom home, large barn, on paved road, 2 miles from Moran, Kansas, Allen county, good ground. Has been in our family 28 years. \$60 per acre. Also 240 acres adjoining farm, well water and plenty of improvements, a good producing farm, \$60 per acre. Paul L. Taylor, 5816 Locust, Kansas City, Missouri. Phone Highland 8050.

160 Acres, 6 miles town, on highway, 80 in cultivation, balance alfalfa and bluestem, modern 6 rooms, large barn, hen houses, good water, nice home, \$75 per acre. T. B. Godsey, Emporia, Kansas.

For Sale—Farms and Suburbs. Some of them immediate possession, twenty minutes drive to Kansas University. Write for prices and descriptions. R. B. Cooley, R.F.D. 1, Lawrence, Kansas.

For Sale: 80 acres, improved. Good upland soil. 160 acres well improved level farm. Both in Republic county, Kansas. Albert Jelinek, Munden, Kansas.

240 Acres Pasture, 7 miles southwest of Council Grove on highway. Good water. \$37.50 per acre. Write Donald Cress, Council Grove, Kan.

### FARMS—MISCELLANEOUS

Abundantly Watered 80 Ozark acres, good electric-lighted house, near fish stream and highway, only \$3,900 including 4 cows, team, 70 poultry, equipment, feed, crops, garden, household furniture, gravel, FRD road, electric line, 3/4 mile grade school, mile store, highway, 9 town, 45 city 75,000; 5 bottom, 54 woodland and pasture watered by 2 springs, branch, well, some timber to cut, 15 peach trees, 7 apples; good 3-room picturesque log house, new roof, electricity, well at door, small barn, henhouse, hog house; well in proportion at \$3,900 equipped, quick possession. Details free. Fall catalog. United Farm Agency, 428-KF BMA Bldg., Kansas City 8, Mo.

Strout's Fall Farm Catalog. Just Out! Describes over 2,800 outstanding Farm Bargains—Coast to Coast. Many with stock, equipment and crops included. Pictures galore. Mailed Free. Write today. Strout Realty, 20 West 9th St., Kansas City 8, Mo.

651-Acre Dry Land Farm, 35 miles southeast Colorado Springs, all improved. Good 5-room house, 100 acres farm ground, rest pasture. \$20 per acre. Mrs. Roy Chisman, Loop Rt-A, Colorado Springs, Colorado.

Six Quarters, Lincoln county, Colorado. Improved stock-grain ranch, 250 in cultivation. Good wheat land. Priced to sell. Terms, J. M. Wilson, 532 N. Emporia, El Dorado, Kansas.

### SEED

## All Kansas Grown Seed

F. O. B. Salina, Kansas

ALFALFA SEED	Lot Star, Per Bu.	\$19.60
BALBO RYE SEED	Per Bu.	3.50
BROME GRASS SEED	Per Bu.	3.90
WESTERN WINTER BARLEY	Per Bu.	2.35

THE KANSAS SEED CO.

P. O. Box 877, Salina, Kan.

## Kelly's High Yielding Hybrid Seed Corn

\$5.00 to \$11.00 bushel. 15 numbers. 37 years experience producing high-yielding seed corn. Dried and processed in largest seed corn plant in world. Agents wanted. Good proposition. 20% and no money invested. Also want a good man to establish agencies and for general seed work. Send for new corn and oat catalog.

KELLY SEED CO.

Peoria, Ill. San Jose, Ill.

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

Achenbach Brome Grass Seed from certified seed. State tested 98% germination, no dock or other noxious weed seed, less than 1% chaff or chert. Recleaned, 20c pound. Herbert T. Niles, Lebo, Kansas. Phone 1253.

Pure, Certified Comanche seed wheat. Fort Hays Experiment Station, Hays, Kansas.

Certified Pawnee Seed Wheat. Extra good quality. For information write T. Max Reitz, Belle Plaine, Kansas.

Brome Grass Seed, very high quality. Write either August Duerksen or John Hiebert, Hillsboro, Kansas.

### MISCELLANEOUS

## OIL AND GAS SPACE HEATERS

2 to 7 room sizes, all known brands.

MIDWEST APPLIANCE STORE  
608 Kansas Ave., Topeka, Kansas

## ARMY SURPLUS GOODS

Used—Serviceable

### PARCEL POST PAID

Army Cotton Shirts (Sun Tan).....\$1.00 & \$1.50  
Army Cotton Trousers (Sun Tan).....\$1.00 & \$1.50  
Army Cot. Coveralls (Olive Drab).....\$1.00 & \$1.50  
Army O. D. Blankets (Navy Blue).....\$3.95  
Army O. D. Blankets (Slight Defects).....\$2.95  
Army Cotton Comforters (Good Condition).....\$2.25  
Army Pup Tents.....\$2.50

### ARMY SURPLUS—ALL NEW

Army Work Shoe Laces.....6 prs. \$ .25  
Navy Work Jacket (Olive Drab).....\$1.75  
Summer Flying Suits (Poplin) (size 40).....\$4.95

### ARMY SURPLUS—NOT PREPAID

Army Canvas Cots.....\$2.95 & \$3.95  
Army Steel Cots.....\$3.95  
Army Double Deck Bunk Beds.....\$19.95  
Complete with two mattresses.....\$19.95  
New Tarpaulins 12.63 oz., square ft.....\$ .10

Write for Complete Price List

SIKES STORE CO., Leonardville, Kan.

## GAS RANGES

Full size, all porcelain finish, insulated, automatic oven control. Delivery now.

MIDWEST APPLIANCE STORE  
608 Kansas Ave., Topeka, Kansas

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

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

Used Army Raincoats, good serviceable condition. Send no money—pay when received. Satisfaction guaranteed. Light weight \$1.50, heavier weight \$2.00. Buford Butts, Sharon, Tennessee.

Superior Americus Cider Mill, splendid. May Jones, Beattie, Kansas.

### BABY CHICKS

## U. S. APPROVED CHICKS

Pullorum Controlled

SEXED PULLETS \$10.90 COCKERELS \$3.95

As Low As..... As Low As.....

Write for FREE CATALOG Listing All Breeds

The WHITE CHICKERY, SCHILL CITY, MISSOURI

Griffith Chicks. Immediate-Future Delivery. Bred 25 years to make profitable layers—quick maturing fryers. Barred, White Rocks, Reds, Wyandottes, Orpingtons, Austra-Whites. Standard Mating \$8.95 per 100. Silver-Gold Matings \$11.45. Postpaid with cash or \$1.00 per 100 deposit—balance COD. Free Catalog. Griffith Hatchery, Box 617, Fulton, Missouri.

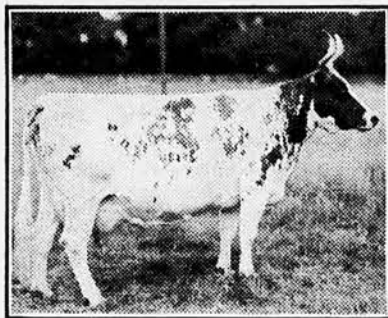
AAA-Chicks—FCB Approved, Blood-tested Layers. White, Brown Leghorns, Austra-Whites, Minorcas, \$8.95. Pullets, \$15.95. Rocks, Reds, Orpingtons, Wyandottes, \$8.95. Pullets, \$14.95. Heavy Assorted, \$7.95. Mixed Assorted, \$5.95. Surplus Cockerels, \$4.95. Bush Hatchery, Clinton, Missouri.

Hawk's Chicks hatching now and the year around. Free price list. Hawk Hatcheries, Atchison, Kansas.



# COMPLETE DISPERSAL

## Monday, September 15



### 68 REGISTERED AYRSHIRES

64 Cows and Heifers, 4 Bulls,  
4 Registered Holsteins,  
26 High Grade Ayrshires  
2 Grade Holsteins.

100 HEAD IN ALL

Mr. Fisher has one of the top herds in the West and has operated a fine modern dairy for the last two years. He is disposing of his herd due to lack of help and is offering some very outstanding individuals. Many of these cows are in service to Shirley-Ayr Mr. American, whose dam is the great Whitpain American Buntie.

G. Fred Williams and Prof. Jim Linn will represent absent buyers.

All Cattle Tb. and Bang's tested within 30 days of sale.

SALE STARTS AT 12 O'CLOCK NOON.

Write for Catalog to

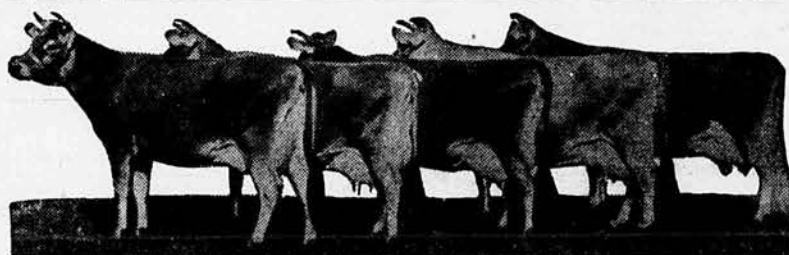
FRANK LILE, Sale Manager, Bellefontaine, Ohio.

**MEADE-AYR FARM MEADE, KAN.**

**BRYAN FISHER, Owner**

Auctioneer—Paul Sanger.

Jesse R. Johnson with Kansas Farmer.



Loss of our dairy barn and feeds makes it necessary to

## Disperse Our Jersey Herd

### Tuesday, September 23

Sale on farm 12 miles west of Manhattan and 1½ miles west of Keats on Highway 24

#### 75 Head Purebred Jerseys

About half of them registered or eligible to registry. Offering mostly sired by such bulls as Kanstsol Coronation Ruler 434016 and Im. Laburnum's San's Gene.

50 Cows and Heifers, bred and many of them fresh sale day.

20 Heifers, calves to breeding age.

3 Serviceable Age Bulls.

Cows and heifers bred to Vallant Pinnacle 46270 and Jester Rhet Ding, a Star bull.

Tb. and Bang's tested. Calhoun vaccination has been practiced in the herd since 1938.

This is a good high-production herd of richly bred cattle and is only being dispersed for reasons given above. Production tested cows with yearly records up to 440 lbs. fat.

For catalog address

**MR. and MRS. GEORGE SCHURLE**

Rt. 1, Manhattan, Kansas

Aucts.: Bert Powell, Vernon Ewing — Jesse R. Johnson and Mike Wilson with Kansas Farmer

One of the most interesting things connected with the work of visiting purebred livestock herds, is the opportunity to note progress being made from year to year. Recently I visited the R. E. STARK & SON Ayrshire farm and herd located near Abilene. I have made occasional calls at this farm for a long time and each time have observed the care and hard work that has gone into this, one of the best herds of the breed in Kansas. The herd with only a few skips has been on DHIA test for the past 20 years and for about 12 years herd test records have been made. The present yearly herd record is 421 with mature equivalent of 447 lbs. of fat. Cows in the herd have butterfat records up to 587. The present herd bull, Strathbar Lucky Star, is probably the best bull ever brought to the farm from the standpoint of high-record ancestors. His grandma has a lifetime record of 103,451 pounds of milk and 4,180 of butterfat. The herd now numbers about 40 head with 20 heifers to freshen this fall from the service of the above bull.

Joe Hunter, president of the KANSAS MILKING SHORTHORN SOCIETY, has just returned from a trip over the state, accompanied by Secretary C. O. Heidebrecht and Gordon Jensen. The trip was made for the purpose of locating suitable cattle for the association's annual fall sale. Joe writes that a great lot of cattle were selected, as well as a state herd for the American Royal.

Mr. Hunter is seeding 300 of his 640-acre farm to native grass and will give all of his time in the future to breeding more and better cattle. Hunter is a director of the National Milking Shorthorn Society and gives much of his time to official herd classification. During the last few months he has classified herds in Illinois, Missouri, Oklahoma, Texas and Kansas. He has been selected to judge at Blackfoot and Wampa, Idaho, and while in that state will classify several herds. He also will judge at several big shows and fairs, including the Waterloo Dairy Congress during the last days of September.

ERNEST A. REED & SONS are among the oldest and most successful Holstein breeders in the entire country. Their herd average for the past year was 510 pounds of fat on a strictly twice-a-day milking in herd improvement testing. They now have 6 cows that have made 3 records in heifer form (2, 3 and 4 years) that average over 500 pounds of fat. One of their heifers that was junior yearling at the Kansas State Fair, made 670 pounds of fat at the age of 2½ years on 2 milkings daily. During the last 2 years they have bred and shown 5 all-Kansas winners, leading all Kansas herds in this respect. They also were the first Kansas breeders to show a female that was twice all-Kansas and they have had two such females. The present herd bulls, Maytag Ormsby Fobes 14th, is the fourth direct generation of 4.1 per cent cows and Browns Markmaster Fesch son of the famous Marksman, his dam is the "Corrine" cow that was the best uddered cow at Waterloo last year.

J. J. MOXLEY'S many friends thruout Kansas, as well as in other states, will be glad to know that Jerry, after 6 week's confinement in the hospital at Manhattan, due to a broken hip caused by a fall from his riding horse, is home again at his ranch near Council Grove. Happy again, altho walking with a cane among the Herefords, he holds no malice toward the gentle and good-intentioned, altho temperamental, riding mare that had a part in the accident. The Herefords, so used to protection and expert care by the best-known breeder in Kansas, may not have had just the same attention while their owner was away, but to the casual observer nothing appears to have been overlooked.

The DICKINSON COUNTY SWINE BREEDERS held their first joint sale at Abilene the evening of August 23. The offering was good but various sizes and ages made a large average impossible, even if condition of crops and weather had been favorable. The bred gilts averaged \$55, bred sows \$91.22, open gilts \$48.89, and boars \$43.93. The sale was composed of Durocs, Poland Chinas and Hampshires. Bert Powell was the auctioneer.

ALLEN LARD, successful Duroc breeder located at Clay Center, has a great bunch of pigs—something over 100 head. Most of them were sired by what is considered one of the exceptional sons of Seco Lo-Down. Mr. Lard scattered some mighty good boars over Kansas last year, more than 40 of them, and letters received indicate the satisfaction of the buyers. One good litter this year was sired by the \$2,100 Hyland Musky.

#### ● AUCTIONEERS ●

### HAROLD TONN Auctioneer

Experienced in selling all kinds of registered livestock. Sale managing, real estate and farm sales also a specialty. Ask those for whom I have worked. Early planning insures better sales.



Write, or wire collect for open dates

**Haven, Kansas**  
(Reno County)

### TED HUGHES, Auctioneer



Qualified by education and experience to conduct all kinds of auctions, including purebred livestock and land sales. Graduate from a leading auction school. Terms in keeping with services. Correspondence solicited.

**JUNCTION CITY, KANSAS.**

### COL. CARSON E. HANSEN

Your Auctioneer

Purebred Livestock, Farm Sales, Real Estate. A World War Veteran. Your business appreciated.

Phone, wire or write.

**BELOIT, KANSAS**



### Willis A. Darg, Auctioneer

Purebred livestock, real estate and farm sales. Available for ring work.

**Bennington, Kansas**

### Charles W. Cole Livestock Auctioneer WELLINGTON, KANSAS

### BERT POWELL AUCTIONEER

LIVESTOCK AND REAL ESTATE  
1529 Plass Avenue Topeka, Kan.

### Frank C. Mills, Auctioneer Alden, Kansas

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

**RELIABLE ADVERTISERS ONLY**  
are accepted  
in Kansas Farmer

## State Fair Hampshire Hog Sale

The Kansas Hampshire Hog Breeders' Sale will be held at the State Fair Grounds, HUTCHINSON, KANSAS. The sale follows the Hampshire judging and will start at 3 P. M. TUESDAY, SEPTEMBER 16. Sale held in swine judging pavilion.

40 HEAD SELLING: The sales offering consists of Bred Gilts, Spring Boars and Open Gilts. This is a consignment sale from the leading herds of the state. These registered Hampshires are registered and cholera immune. For more information write C. G. Eiling, Sales Manager, care of K.S.A.C., Manhattan, Kansas.

**KANSAS HAMPSHIRE SWINE BREEDERS' ASSN.**  
Pres.—Joe O'Bryan, Hiattville, Ks. Sec.—Dale Scheel, Emporia, Ks.  
Auctioneer—Bert Powell Mike Wilson with Kansas Farmer



## Supreme Quality Duroc Boars



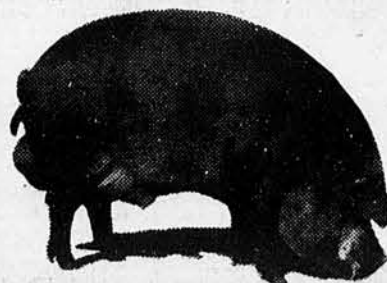
FOR PRIVATE SALE

100 HEAD TO SELECT FROM

We have called off our fall sale, due to crop conditions so get your future herd sire at reduced prices now. Sired by six different boars of the leading and most popular bloodlines, out of a wonderful sow herd. They are the deep, thick, heavy-bodied, meaty kind, sound and healthy. Immuned. Registered. Shipped on approval. Inquiries invited. Visitors always welcome.

**WILLIS HUSTON, Americus, Kansas**

## QUALITY DUROC SPRING BOARS



We are now offering for sale Duroc Boars of top quality sired by the top son of Kehl King, also by Admiral and Victor Ace. These boars are of good type, well grown and ready to go out and do good for their new owners. They are cholera immune. We also have plenty of new blood for our old customers who have purchased breeding stock from this herd for several years. Priced to sell.

**ARTHUR E. ROEPKE**  
Waterville, Kansas



**HOLSTEIN CALVES ARE HUSKY**  
They are the largest calves at birth of all the dairy breeds. Heifer calves average 91 pounds when born as compared with 64 pounds for 3 other dairy breeds. They're vigorous, too, coming from a breed that can adapt itself to all climates. For a minimum of calf troubles, raise Holsteins.

**FREE**  
ILLUSTRATED HOLSTEIN JUDGING MANUAL. WRITE

**HOLSTEIN-FRIESIAN ASSOCIATION OF AMERICA** • Brattleboro, Vermont • Box 1038



**SHEEP**

**Chappells' Shropshires**

We are offering some outstanding rams and ewes at this time. Write or come and see them.

H. H. CHAPPELL & SON, Green Castle, Mo.

**SHROPSHIRE RAMS**

Yearlings. Big, husky, reg. Rams.  
D. V. SPOHN, Superior, Neb.

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

I wish every boy who plans a life on the farm could visit for a day at the OSCAR LATZKE Aberdeen-Angus farm at Junction City. There we would see the great herd of cattle that has been developed over the years, and the up-to-date farm equipment that is used in producing feed for the cattle, including the new and better method employed in making alfalfa silage.

Starting as a boy on his father's farm Oscar, from the first, displayed an unusual tendency to figure out ways and means for building a good herd of Angus. He purchased breeding stock regardless of showyard tradition. It was said his early sales were not in keeping with current prices. But Oscar's chief delight was and is to place more good bulls on Kansas farms and to build a substantial and continuous sale business. This he has done. And each year his sales have been better, and Latzke Angus have grown in favor beyond the expectations of those who knew the herd in its infancy. The large herd of Earl Marshall cows have at their head the really great bull Hardwickmere 60.

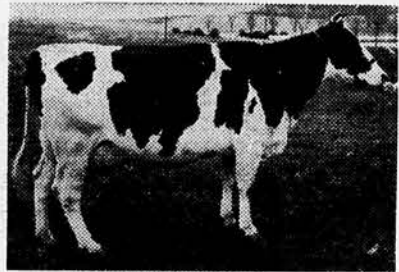
The CLIFTON H. DAVIS Hampshire sheep sale, Archie, Mo., August 7, resulted in an average of \$51.30 on 26 yearling rams and \$32.15 on 28 ewes. Fifteen ewes and 3 rams came to Kansas. The high-selling ewe at \$50 went to Jess Tryon, Leona. Bert Powell, auctioneer.

**Ship by Air**

More than 50 head of livestock for breeding purposes were shipped by air recently from Texas to Guatemala. The animals included Holstein, Jersey, Santa Gertrudis, Zebu, Brown Swiss and Red Poll cattle, and 2 Percheron colts.

Non-stop flights took only 7 hours, compared to 4 to 6 weeks by rail and boat.

**Reserve One of Her Grandsons**



**Browns Mistress Corrine**

2 1/2 Y 305d 18891M 3.6% 675F 3X  
Minnesota State Record

Reserve All-American 3-yr-old, 1946  
Best Uddered Cow, Waterloo, 1946

Browns Mistress Corrine

Her son, Browns Markmaster Posch, is one of our main herd sires. Many of our highest record cows are due to his services this fall and winter. We offer options on these calves if they prove to be males. A grandson of "Corrine" should make a real herd sire prospect.

Right now we have a few young sons of Maytag Ormsby Fobes 14th available. Prices start at \$200.

ERNEST A. REED & SONS, Lyons, Kansas

**The Win-view Farm Complete HOLSTEIN DISPERSAL**

115 HEAD REGISTERED HOLSTEINS

**Monday, October 6th, Winfield, Kansas**  
(at the Cowley county fairgrounds)

**THE HERD SIRES**

Clyde Hill Elsie Tidy Lad 6th—born September, 1944. His sire—Clyde Hill Elsie Tidy Lad—from "Elsie" (Excellent). His dam—Polly Aurora Rock River (Excellent), 5 lactations, 3,187 fat. Her full brother is Silver Medal type sire with 2 (Ex.) daughters. One of the greatest and most popular cows at Clyde Hill.

Beezley Farm Master Flash—a 3-year-old and classified (Good Plus) at just 3 years. His sire—a son of "Woodmaster." His dam—a (Good Plus) daughter of the (excellent) (Bronze Medal) sire "Lou Ormsby Lad."

Leechost Gay King Design—born April, 1945. A son of the Silver Medal production sire, Right Royal Design. The dam one of the great brood cows in the state with 3 proven daughters, and another coming along, just starting. One of these full sisters "Payanna" 515 2 yrs., 584 at 3 yr. and will finish with over 600 fat this time.

**THE FEMALES**

60 Head in production—mostly young cows. 16 daughters of the Silver Medal Production sire Right Royal Design, with records up to over 500 fat. 10 daughters of Crescent Beauty Neta Prince. Paternal sisters to the \$1,300.00 Starwood Neta Mary Segis, 601 lbs. fat at 2 years 6 months. Sold in the Willow Springs Dispersal. You will like these. A group of foundation cows, and their daughters. A herd classified for type—the production is there, but the long-time records are lacking because of testing association trouble. 16 heifers sired by "Flash." A daughter of Clyde Hill Hengerveld Fobes; his oldest, 10 heifers sired by "Lad" and 28 head bred to "Lad." 4 daughters of Dunloggin X seven. They are real with the udders you like. 3 daughters of Dunloggin Fon Leo. Every female born on the farm since October, 1942, is calfhood vaccinated. The herd is accredited for TB.

Mr. Elam has sold his dairy, and feels the herd has developed to his plans, but he no longer needs it to hedge against production for the plant. He says, "It is at its best now." The bloodlines, the type, and the production background offers real opportunity to the Holstein public on October 6th. Sale headquarters—Hotel LaGonda, Winfield. Catalogs and information

T. HOBART McVAY, Sale Director, Nickerson, Kansas  
Watch space in next issue Kansas Farmer

**Retnuh Farms Milking Shorthorns**

Classified — Tested

She has two sisters and one brother classified "excellent" and 6 sisters classified "Very Good" with up to 580 lbs. butterfat. This cow family is being recognized all over the U. S. They have won more firsts than any family of any breed in Kansas. Herd officially tested since 1936.

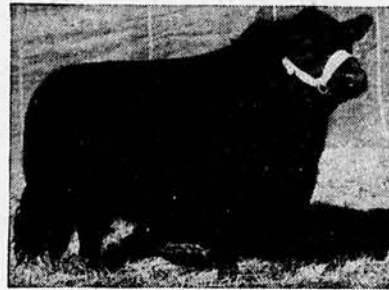
We have 8 tried bulls out of classified "Excellent" dams with daughters freshening. We believe we can help you solve your breeding problems regardless of your needs. Visitors always welcome. When better Milking Shorthorns are bred, we will have them. See our herd at Kansas State Fair, Hutchinson, September 15.

JOE HUNTER, Geneseo, Kansas



Retnuh Stylish Maid 3d Classified "Excellent," Kansas grand champion 1941-1944. Grand champion Texas 1945.

**Ralph L. Smith Farms**  
**"Breeder's Benefit" Aberdeen-Angus Dispersion Sale**



This is Prince Eric of Sunbeam, a leading sire of the breed—he sells.

**MONDAY—TUESDAY,**  
**SEPTEMBER 22-23**  
**LEE'S SUMMIT, MO.**

**216 Lots**

**4 Great Herd Bulls Selling**

PRINCE ERIC OF SUNBEAM, 1944 National Western Grand Champion; 1944 National Show and Sale Grand Champion and Top Selling Bull at \$40,000.00—individually, better today—as well as a Top Proven Sire. Many Calves by him, many heifers and Cows sell bred to him. He will be GUARANTEED a BREEDING BULL.

PRINCE SUNBEAM 46th, 1943 National Sale Top Selling Bull at \$10,000.00; later sold at \$31,000.00—His calves will convince you of his real worth. He, too, will be GUARANTEED as a BREEDING BULL.

PRINCE ELGON—an only son of the distinguished ELGON SUNBEAM, and one of the great younger Bulls of the breed. Sells GUARANTEED as a BREEDING BULL.

R. L. S. BLACK PRINCE—an own son of BLACK PRINCE OF SUNBEAM, the 1938 International Grand Champion and from the same dam as PRINCE ELGON. Already a proven sire. R. L. S. BLACK PRINCE sells GUARANTEED as a BREEDING BULL.

**18 Herd Bull Prospects**

These younger Bulls are the ones we had retained for show and next year's sale. They are by the above herd Bulls and from our greatest breeding Cows.

**194 Female Lots, Plus Many Calves at Side**

The Ralph L. Smith Farms' herd of females constitutes a collection of females selected over a period of several years because of their excellence of TYPE, the record of their respective SIREs and from FAMILIES, the PRODUCING STRAINS of which have stood the test of time and continue to remain POPULAR because of the progeny they are producing. Many Calves will sell at foot, and their respective dams are in many cases rebred.

**Excellent Type, Popular Families**

Ralph L. Smith Farms cattle have been extensively exhibited and have won many major awards. Included will be Gammers; Ballindalloch Jilts; Blackcap Bessies; Witch of Endors; Maid of Bunnies; Miss Burgess; McHenry Barbaras; and Missouri Barbaras; Elba, Juana, Elsa and Enchantress Ericas; Frides; Queen Mothers; Blackbirds and Blackcaps.

**Thirty Imported Females, Many Bred**

Included are some of the finest Scotch bred Heifers of approved families to be brought to this country, including the 1946 PERTH SHOW Grand Champion. Most of them will sell bred to one or another of the herd Bulls selling.

Sale to Start at 11:00 a. m., Promptly

For Catalogs, Write, Wire or Telephone:

**ABERDEEN-ANGUS JOURNAL, Sale Managers**  
**Webster City, Iowa**

Auctioneers: Johnston, Simms, James, Good Fieldman for Kansas Farmer, Bert Powell

**Northeast Kansas Aberdeen-Angus Breeders**  
Will hold their Third Annual Sale of

**Registered Aberdeen-Angus Cattle**

At sale pavilion on Highway 36, 1/2 mile west of

**Hiawatha, Kansas -- September 20**

Sale starts at 1 o'clock — Cattle will be cared for until loaded out

45 HEAD — 35 Females and 10 Bulls

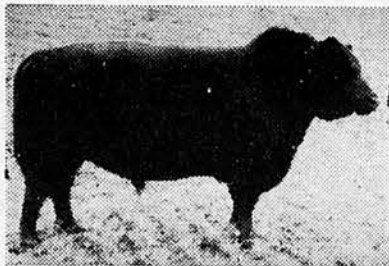
Health certificates will be furnished. Families represented are: Queen Mother, Black Cap, Blackbird, Elin Erica, Elsa Trojan Erica, Miss Burgess, Pride of Aberdeen and Enchantress Trojan Erica. The bulls trace back to the famous breeding of Prizemere, Sunbeam, Bell Boy, Earl Marshall, Bandolier and Revolution. These cattle are not fat but are in right condition to go out and do good for their new owners. Come and spend the day with us. Sale will be held rain or shine. Hiawatha is located on Highways 36 and 73. 40 miles west of St. Joseph, 65 miles north of Topeka, 100 miles south of Omaha. Airport across from Sale Barn.

CONSIGNORS: C. E. Ward, Highland; W. D. Gilmore, Highland; Robert Miller, Highland; J. O. & Jim Honeycutt, Blue Rapids; Mike Wilson & Son, Muscotah; Ward Gilmore, Highland; Ed Williams & Son, Netawaka; Henry Tegtmeier, Jr., Bern; Kenneth Hill, Severance; Max & Glenn Hargrove, Effingham; and Harry Dandliker, Hiawatha.

For catalog write HARRY DANDLIKER, Sec., Hiawatha, Kansas

Auctioneers: Mike Wilson, Muscotah, and Ray Sims, Belton, Missouri.

**Oscar Latzke Angus Farm**



HARDWICKMERE 60th 725185 in service. His dam, Estamere 505982, was the 1938 International grand champion.

Our selected herd of about 100 Earl Marshall cows are being mated to this great bull and we have some really good herd bull prospects from this mating.

We also have a number of bulls old enough to service (grandson of Envious Blackcap B-6, the 1939 grand champion), and can spare a limited number of females. Inspection invited.

**OSCAR LATZKE, Junction City, Kansas**

Farm on Highway 77 south of Junction City, watch for road sign.



# Dispersion Sale of BROOKSIDE FARM HEREFORDS

At Central Sales Pavillion, 1 o'clock C. S. Time



**Hutchinson,  
Kansas  
Wednesday,  
October 8**

C. L. Burt and N. W. Collins, Hutchinson, Kansas, Owners

## 212 Head

Featuring the breeding of the great sires—Mischief Mixer, WHR Jupiter Domino 22d, Advance B Domino and Star Domino 6th.

### 177 Females -- 35 Bulls

4 Herd Bulls — 31 Yearling Bulls — 30 Open Heifers  
147 Bred Cows and Heifers

All cattle tested for Tb. and all mature cows Bang's tested. Younger females officially calfhood vaccinated.

Lunch served on grounds.

Address all correspondence to

**VIC ROTH, Sale Manager, Box 3, Hays, Kansas**

Auct. Freddie Chandler

Mike Wilson and Jesse R. Johnson with Kansas Farmer

Note: Attend the John Luft sale at Bison, Kansas, on October 9 and the C K Ranch sale at Brookville, Kansas, on October 10.

# Luft's Foundation Hereford Dispersal Sale Thursday October 9



At Ranch 5 miles East and 1½  
miles south of Bison (Rush  
county), Kansas

## 61 HEAD

51 Females—mostly top brood matrons of good ages. Deep bodied and uniformly good-headed and smooth, predominately daughters of the great bull, Real Prince Domino 18th (owned by Fulscher Herefords of Holyoke, Colorado).

10 Bulls—calves to yearlings. The young cattle are sired by Comprest Mixer 11th, a son of Clayton Domino 73d, and by Comprest Conqueror 32nd by Comprest Conqueror.

This offering is the result of years of careful sire selection and matings and includes breeding that has won championships in Futurity and State shows in strong competition.

Inspection of herd before sale day is invited.

For catalog or further information address

### JOHN N. LUFT

LaCrosse, Kansas

Auctioneer: Freddie Chandler

Mike Wilson and Jesse R. Johnson with Kansas Farmer



## VISIT OUR HEREFORD HERD

For many years we have used WHR bulls at the head of our herd. We have selected the very best of their daughters and retained them in the breeding herd.

Also in the past year we have purchased outstanding fe-

males of many of the sales in the Midwest. Among them are Miss Premier of Beaman & Son of Gashland, Missouri. Also females from the CK Hereford Ranch, sired by Royal Dundy 7th and CK King Domino. Our present herd sire is M. C. Ruling Stardom 17th, selected from the Maplecrest Herd of Wellman, Iowa. We would be happy to have you visit us any time.

**GLENN I. GIBBS, Manchester, Kansas**

## "Good Plus" Jersey

A registered Jersey cow, Peggy Coronation Jane 1331637, owned by Carleton Benjamin, Hutchinson, is announced as a tested dam having 3 offspring with official production records. These tests exceeded by more than 2½ times the butterfat production of the average dairy cow in the U. S., according to the American Jersey Cattle Club.

Coronation Jane's tested progeny, with all records computed to a 305-day twice daily milking mature basis averaged 9,744 pounds milk, 5.60 per cent test and 546 pounds butterfat. Coronation Jane also has been given a type rating of Good Plus.

## A Superior Bull

Highfield Nobly Standard 400855, a registered Jersey bull in the Hallmark farm herd, Johnson county, has been announced as a Superior Sire by the American Jersey Cattle Club.

This bull has 10 tested daughters with a lactation average of 9,242 pounds of milk and 500 pounds of fat. He also has 15 daughters classified for type with an average rating of 86.17 per cent.

## Cows Are Better

Average butterfat production in Kansas per dairy cow has been raised 18 pounds a year in the last 20 years, states R. L. Stover, Kansas State College extension dairyman. The average now is about 168 pounds compared to 150 pounds 20 years ago.

However, cows in Kansas dairy associations now average 334 pounds butterfat, 66 pounds more than 20 years ago.

## Water at Fault

Unthrifty pigs often result from drinking water from stagnant wallows or streams in which yard drainage accumulates, warns C. G. Elling, Kansas State College extension animal husbandman. Where dry feeds are used in a self-feeder, it is especially important to have a continuous supply of fresh water, he adds.

## Dual-Purpose CATTLE



## Wildrose Farm Milking Shorthorns

A few good Bulls of serviceable age from R.M. classified cows.

**H. A. ROHRER**  
Junction City, Kansas



## TAKE TIME

While at Hutchinson to see REEVES MILKING SHORTHORNS at the State Fair and at the farm, only four miles northeast of K17. We may have just what you want.

Harry H. Reeves, R. 3, Hutchinson, Kan.

**LOCUST DELL FARM**  
Offers Milking Shorthorns—Young cows, Heifers and bulls of serviceable age. R. M. Breeding.  
W. S. MISCHLER & SON,  
Bloomington (Osborne Co.) Kansas.

**MILKING SHORTHORNS**  
The "two-way" profit breed. What are your particular needs? Write.  
**KANSAS MILKING SHORTHORN SOCIETY**  
C. O. Heidebrecht, Inman, Kansas

**OFFERING POLLED MILKING SHORTHORN HERD BULL**  
Corner View Knight M X 2030103, has R. M. pedigree, bred by Joseph Skiles of Anderson, Ind. Gentle, quiet and good individual.  
W. A. HEGLE, Lost Springs, Kansas

**September 20  
Will Be Our Next Issue**  
Ads for the Classified and Livestock Section must be in our hands by  
**Saturday, September 13**

## A TOP-NOTCH OFFERING

**Friday, Oct. 17**

**17 BULLS  
36 FEMALES**

Now you can acquire some of the sons and daughters of FRO Bocalde. He is a three-quarter brother of the Register-of-Merit sire, Beau Brummel Return who was bred at Dellford Ranch. His get is featured. Heifers are bred and open. All bulls are of serviceable age. Lunch at noon; sale starts at 1:00.

FRO Dream Tone by Dellford Tone 2d

IVIE CARTER

OLEN DANIEL

Frank R. Condell

### DELLFORD RANCH

El Dorado, Kansas

## Kenney Brothers Hereford Dispersion

A complete dispersion will be held at the farm 4 miles N. and 10 E. of

### Butler, Missouri

Turn off highway 71 at PASSIAC, MO., and go 10 miles east.

THE DATE IS

### Tues. Sept., 23

### SELLING 70 LOTS

The Sales Offering: The herd sire Premier Domino 21st. 1 Junior herd sire and 2 bull calves sell. We sell 17 cows with calves, all rebred to Premier Domino 21st, all present calves by him. 33 cows and heifers now carry calves by the "21st." 6 two-year-old heifers bred to the junior herd sire Prince Domino 25th. 10 open heifers, all by the "21st." None of the females selling are over 7 years old. 17 females are grand-daughters of Advance Mischief; 11 are of WHR breeding; 25 by Premier Domino 21st, top-selling bull in a Radotinsky sale.

For catalog write

**Kenney Brothers, Butler, Mo.**

Auctioneers: Guy Pettit and C. C. McGinnis  
Donald Bowman with Kansas Farmer

**CHIEF OF LONGVIEW 4960381  
THIS EXCELLENT YOUNG HERD BULL  
PROSPECT AND HIS DAM SELL**

Chief of Longview No. 4960381  
Calved 9-10-46  
Breeder: Longview Farm, Lee's Summit, Mo.

WHR Helmsman 4th 3850675  
Miss Joy Domino 4106585

WHR Proud Principles 9th 3207685  
WHR Onward Girl 61st 2298530  
Jr. Dominator 2409723  
Dora Domino 3016731

WHR P. Mixer 2629496  
WHR R. H. 112th 2537704  
Onward Domino 20th 1828018  
Gipsy Domino 10th 2036035  
Onward Domino Jr. 1797447  
P. Dominator 57th 2196953  
WHR P. Domino 51st 2417009  
Princess Domino C. 340th 2360017



## Marketing Viewpoint

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

*When do you think I should buy calves or light yearlings to handle on the deferred feeding plan?—C. B.*

Present indications are that mid-October will be a good time to buy replacement cattle this year. Prices have declined somewhat from the record high levels of a month or 6 weeks ago. Further declines in prices of replacement cattle are expected during the coming month as grazing ends.

The fact that the corn crop will be short this year is expected to limit the demand for these kinds of cattle. As supplies increase seasonally, demand is not expected to be sufficiently strong to take the supply at current prices.

*Would a fellow be safe in purchasing lambs for wheat pasturing this fall and winter, and can he expect to make money on them?—D. B.*

Feeder lambs will be scarce and probably high in price this fall, especially if wheat pasture is available again in Western Kansas. Handling lambs on wheat pasture in recent years has made excellent profits, and if wheat pasture is good again this year, prices of feeder lambs may be bid to record levels.

Demand for lambs, after they are finished, should be strong, and with cheap gains on wheat pasture, there is good prospect of profit from this program. Profits probably will not be as high as last year, however. Lambs to be put on wheat pasture should be located now and either bought or contracted. There is more risk in waiting to buy feeder lambs than to buy feeder cattle.

*When will the Government support price for turkeys be announced?—Z. T.*

The Government announced recently that the support price for turkeys would be announced on September 1, or a month earlier than previously indicated. The support price is to reflect a national average price of 90 per cent of parity to turkey producers. Part of the reason for announcing the support program on September 1 is that many producers probably will market turkeys earlier this year than usual due to high feed costs. Also, turkey prices were higher earlier in the marketing season last year than later.

## Beef CATTLE

### We Offer Beef Shorthorns

30 Females—open and bred heifers and cows with calves at foot, sired by Village Harvester by Maxwalton Harvester and Proud Commadore by Proud Archer and bred to Village Harvester and Goldfinder Goods. Young bulls from some of the best Scotch families. Also see our 5 head in the Beloit October 31 sale.

**H. D. ATKINSON & SONS**  
ALMENA, KANSAS

### Shorthorn Bulls, Females

Sired by Augusta's Prince and Divide Olympic. Many excellent 4-H Club prospects. Priced reasonable.

**E. C. Lacy and Glenn E. Lacy & Son, Miltonvale, Kansas**

### Walnut Grove Farm Polled Herefords

We are offering choice bulls and heifers from 8½ to 12 months of age. Also a few bred cows. Inquire of

**GEORGE L. RIFFEL & SON, Hope, Kan.**

### Registered Aberdeen-Angus Sire

Son of Kincaid White Acres, two years old. **BETHEL COLLEGE**  
Wm. L. Friesen Newton, Kansas

### ABERDEEN-AUGUS BULL

For sale. Registered, 4 years old. A real herd bull, with good pedigree.  
**ARLEN W. MOSTERLER, Washington, Kansas**

## Beef CATTLE

**Haigler Master Archer reserve champion Shorthorn bull at the North Central Kansas Free Fair**

**Supreme Ace, first prize Junior Yearling Bull at same show**

Along with three outstanding heifers will be consigned to the Beloit Shorthorn Sale, October 31. Don't fail to look up these cattle before you make your purchases. We also exhibited the first prize get-of-sire and many other prizes at the Belleville Fair. When in need of good Shorthorns contact

**JULIUS OLSON**  
Leonardville, Kansas

## BEEFMAKER BULLS

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

## TRY GIBBS HEREFORDS

Our breeding herd contains many daughters of WHR Sufficiency 23rd. We later purchased WHR Royal Prince 102nd to cross on these cows.

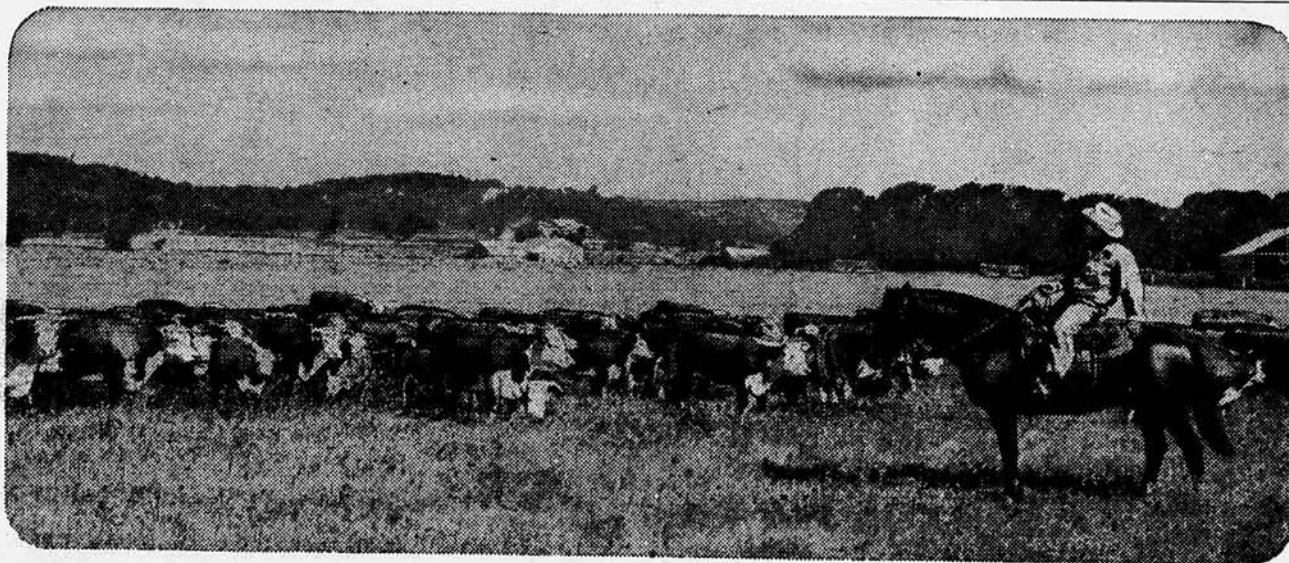
We think that cross has produced some wonderful breeding females. Our new herd

sire is M. B. Iowa Domino 104th. This bull was a first prize winner at the Iowa State Hereford Show. He comes from the McMan Brothers herd of Graf, Iowa. We are expecting some great calves from this cross. At the present time we could spare a few bred heifers. Plan now to attend our November Sale.

**SAM GIBBS, Manchester, Kansas**



**Mention Kansas Farmer When Writing Advertisers**



# Put Yourself in This Picture

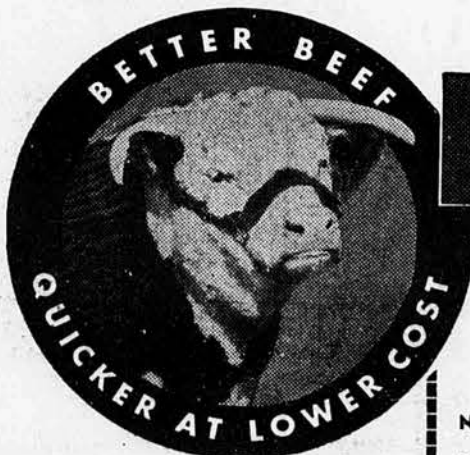
In all of the 48 states there are 35,000 breeders of Registered Herefords. In the past year they recorded over 1/3 million calves. This represents 74 per cent of all beef cattle recordings for the period.

Today, 85 per cent of the nation's commercial beef cattle are Herefords. Last year 87 per cent of the straight breed shipments selling at the Chicago top were Herefords.

From January 1 to May 22, 1947, on 84% of the days reported, Herefords topped the Chicago market. Hereford steers hold the all-time record price for commercially fed steers at Chicago, Kansas City, Omaha, Denver and St. Joseph.

Each year more and more farmers, ranchers and businessmen turn to Herefords because of their inherent and superior ability to make maximum gains on grass, roughage and other available feeds.

Whether you plan to found, improve or enlarge a herd, start with purebred Herefords—America's most popular breed. Send the coupon NOW for Free illustrated booklets entitled "Herefords, The Beef Breed Supreme" and "This Business of Better Herefords".



# HEREFORDS

**THE BEEF BREED SUPREME**

**AMERICAN HEREFORD ASSOCIATION**

Dept. K

300 West 11th Street

Kansas City 6, Mo.

Please send FREE, Illustrated Booklets:

☐ Herefords, the Beef Breed Supreme.

☐ This Business of Better Herefords.

Name.....

R. F. D. or Street No.....

City.....

State.....





# The Tank Truck



## Tractor Runs 16,000 Miles!

Read what Ernest Nielson writes from Monroe, Utah, about that long-running tractor of his:

"I purchased an Oliver Row Crop 60 . . . a year ago and have really pounded it over the roads and from my figures it has run in miles about 16,000 and does not use any oil between drains, drain every 100 hours as a rule. Also my Chevrolet 1939 pickup has 70,000 miles on it and I have never had the head or pan off it nor have I had the spark plugs out so this speaks for itself insofar as lubrication goes . . . I have been a constant user of Conoco products, in fact started to buy in 1928."

## Date Cake!



Cakes are always popular . . . and here's a new prize-winning cake recipe you'll want to try real soon. Sent in by Mrs. Mason Kerby, Blue Ridge, Texas.

Seed and cut 1 cup of dates. Pour 1 cup boiling water over dates. Let stand until cool.

1 T butter Pinch of salt  
1 t soda 1 cup nuts  
1 cup sugar creamed with 1 egg 1-1/2 cups of flour

Mix all the above together and bake in moderate oven.

### Icing for Date Cake

1 box powdered sugar 6 T cocoa  
6 T boiling coffee 5 t vanilla

Your recipes are worth money! Send your favorites to Mrs. Annie Lee Wheeler, Conoco Cafeteria, Ponca City, Oklahoma. Get \$5 for each one printed here with your name. If duplicate recipes are received, the one to be published shall be determined solely by Mrs. Wheeler. All recipes sent in become the property of Continental Oil Company.

## FARM KITCHEN

\$5.00 for your favorite recipe!

## Conoco Research Develops Improved Oil!

In the letter above, you have read what one farmer thinks about the performance of Conoco N<sup>th</sup> Motor Oil in grueling day-to-day operation. And in letter after letter from other farmers you can read just about the same thing. Is it all just luck or accident? Well it might seem so, but we know different because we know how much research work and testing and trying went into the development of that improved oil.

For years, dozens of scientists and engineers in Conoco's research and development laboratories worked to find ways of improving oil for rough use in farm engines. And what they finally came up with was so sensational it seems almost a miracle! For in their research into the

molecules all substances are made of, they discovered one kind of molecule with a powerful attraction to metal! Putting this ingredient into Conoco N<sup>th</sup> gives this motor oil (patented) its wonderful ability to fasten extra lubricant to engine parts—so closely as to OIL-PLATE every fine-finished working surface!

This extra OIL-PLATING means added protection from wear—and from power-clogging carbon and sludge caused by wear! Just figure from what other farmers write how much you yourself can save with N<sup>th</sup>! Then, call your Conoco Agent for your supply of "The Oil that OIL-PLATES!" Do it today! Continental Oil Company.

## "Impossible for Anyone to Sell Us Another Product!"



Carl H. and Henry Hass Jr. write from their 1,800-acre farm near Bridgeport, Nebraska:

"We have used Conoco exclusively since 1930 with the exception of a short period when we were talked into using another product. It proved to us conclusively the superior qualities of Conoco products. We find by using Conoco N<sup>th</sup> Motor Oil and Conoco greases we use less than we did with a competitive product . . . You can bet with the excellent service given us by Clarence Reinmuth and your superior products, it will be impossible for anyone to sell us another product."

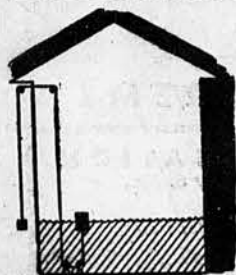
## YOUR CONOCO AGENT



## Level Indicator for Water Tank!

In this diagram, Roy L. Klein of Muncie, Indiana, shows an easy-to-make water-level indicator, using four pulleys, a sealed 5-qt. can, a small weight and a length of light line.

This idea comes from Dallas Stejskal of Tobias, Nebraska. The sketch shows how to use an old car wheel, a length of chain and a 2-inch plank to pull out posts. Hitch the chain onto tractor draw-bar.



## DOLLARS FOR IDEAS!

Ideas are worth money. Send your original ideas to The Tank Truck in care of this paper—and get \$5.00 for every one that's printed!

## Cuts Repair Bills in Half!



Lee Marsh, of Rio Hondo, Texas, seen here with his son Harold and Conoco Agent John Twinn, uses 7 gasoline tractors, 2 diesel tractors, 3 trucks and 3 cars on his 1,500 acres!

"When operations were first started," he writes, "I had lots of mechanical trouble using other products. Mr. Keiser (Conoco Agent of Harlingen, Texas) had been after me to try his products and his service. I finally did, three years ago, and have not had a mechanical failure since except from normal wear . . . kept to an absolute minimum through the use of N<sup>th</sup> oil and pressure lubricant. The use of N<sup>th</sup> has cut my repair bills in half at least. Mr. Keiser's service couldn't be beat because . . . I have never had to order—they just bring it. I never had anyone keep me supplied like that before."