

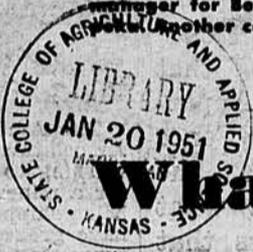
Kansas Farmer



CANVAS CAN COVERS prevent dust and dirt settling under lids of cream cans while in transit. Holding can cover is Orlan Bair, procurement manager for Beatrice Creamery Company, Topeka. Another cover is in place on can at right.



PREHEATING SEPARATORS as demonstrated here by Tony Kraus, Eskridge, prevents clogging of cream in separator bowl. It saves cream, makes flushing separator more complete after separating is finished, and helps prevent contamination of succeeding separations.



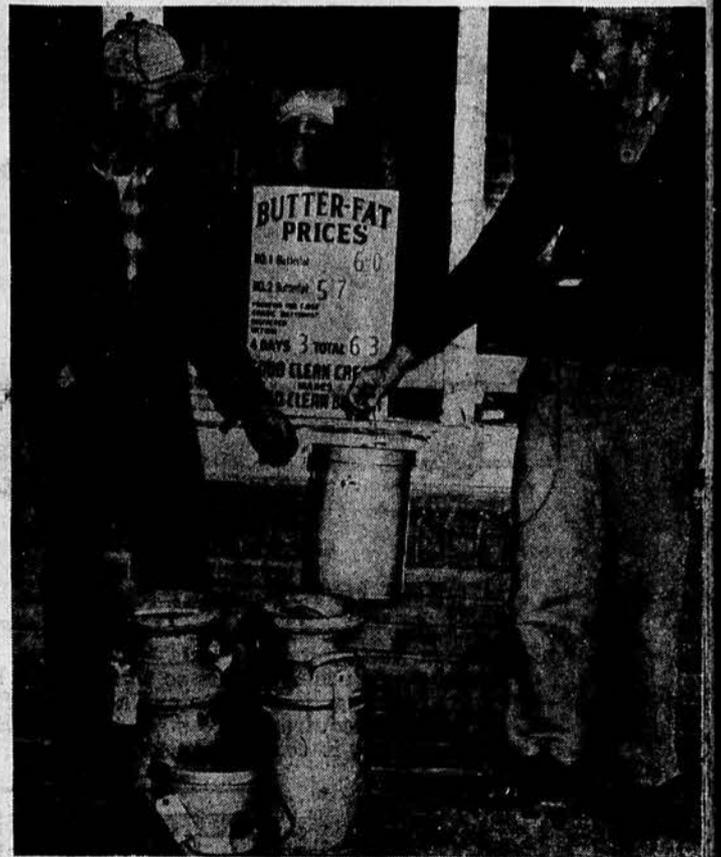
What's the Matter With Our Cream?

... You can get more money for it by watching points mentioned in this article

PRODUCTION of quality cream deserves serious attention. There are several reasons why. It deserves more serious thought from the health standpoint alone. From the economic standpoint, a large number of farmers depend on cream sales to buy their groceries. Cream business helps pay overhead for many combination cream stations and feed stores over the state. And finally, butter manufacturing is a huge Kansas business in itself, grossing nearly 30 million dollars a year. That is more than half the total gross of all manufactured milk products in the state.

To safeguard all of this, improvement of quality in Kansas cream and butter is of utmost importance.

High-score butter made from quality cream demands a higher price on the Chicago market. In fact, butter sent into interstate commerce must be high-score butter to be on the safe side of the U. S. Food and Drug Administration. [Continued on Page 15]



DATED CREAM CANS: Each can carries a tag which shows date it was received from cream station, owner's name and sample number. Warren Duff, right, Eskridge cream station operator, hands empty can to C. J. Gresham, Allen. Price card in window shows prices and the premium for 4-day cream.

- **Stop, Thief!**Page 5
- **Aerial Spraying Matures**Page 7
- **Grow Flowers With Ease**Page 8



*No Use Wrecking
Your Snout, Pal!*
IT'S A NEW
**SHEFFIELD
FENCE**



Now...

here's a Poland-China hog that knows what he's talking about. Apparently, he has run into Sheffield Fence before. It is also apparent that the farmer who put up this fence knew what he was doing, because he knows that Sheffield Fence has the extra strength to last longer and to keep his livestock in the right field.

Ask your neighborhood Sheffield Dealer to show you these construction features that make Sheffield Fence stand up longer—under hardest wear and weather.

1. Special Analysis steel for Sheffield Fence made by Sheffield steel makers.
2. Quality Control at the Sheffield Steel plants from furnace to finished fence.
3. Extra wrap on Top and Bottom Strands to add strength where strain is greatest.
4. Longer, tightly wrapped hinge joint knots on the line wire to give it backbone.
5. Heavy Uniform coat of zinc perfectly bonded to steel wire for longer life.

THERE IS NO BETTER FENCE MADE

See for yourself how good Sheffield Fence is. When you visit your Sheffield Dealer, tell him your fence requirements so that he can be surer of providing you with extra value Sheffield Fence. It requires more steel to make Sheffield Fence—but it costs no more.



SHEFFIELD Bolts and Nuts Last Longer, Too!



Since 1888 stronger bolts and nuts for every purpose have been made by Sheffield. Your neighborhood dealer has them in the new handy dispenser box.

SHEFFIELD STEEL CORPORATION
HOUSTON KANSAS CITY TULSA

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

Ag Week at K

20 1951 **January 29**
LONGTIME farm management keepers in Kansas will be honored at a banquet at Kansas College, Manhattan, January 29 through February 1. The 82nd annual Agricultural Management Association work will be celebrated.

After an absence of several years turns to the Ag Week program. It will be held January 29 through February 1. Scheduled as usual the regular dairy, agronomy and crop improvement association work will be held.

Meetings of the state dairy association, hybrid seed growers and crop improvement association will be held.

Ag Week begins at 10 o'clock January 29 with the annual meeting of the Kansas Inter-Breed Dairy Council. On January 30, 6 breed associations meetings will be held in West Waters Hall. On January 31, a full day of dairy programs is scheduled. Out-of-state speakers include J. G. Hays, extension dairy specialist, Michigan State College, East Lansing; Robert D. Stewart, American Guernsey Cattle Club, Petersburg, Va.; Dr. W. E. Petersen, University of Minnesota dairy husbandryman; W. D. Knox, editor of Hoard's Dairyman magazine, Fort Atkinson, Wis.

Prominent agronomists who take part in the program are Johnson, Iowa State College, Ames, and L. P. Reitz, Bureau of Plant Industry, University of Nebraska, Lincoln. R. J. Walstrom, Iowa State University extension entomologist, will be present on January 31.

The Kansas 4-H Cherry Pie Contest is an added feature of the 1951 Ag Week. The contest will be held at 8:30 o'clock the morning of January 31. The winner will represent Kansas in the national contest in Chicago, February.

Issues Warning On Cattle Disease

The American Veterinary Association, Chicago, Ill., has issued a warning to farmers to be on the lookout for a mineral ailment in cattle being shipped to market. Cattle that have grazed too long on wheat pastures may "go crazy" on the market. The ailment, called wheat poisoning or grass staggers, appears to be brought on by lowering the phosphorus levels in an animal's body. This condition develops when cattle have grazed on wheat pasture 30 days or more. Stricken cows are easily excited and may attack humans. Often the condition is fatal and eventually unable to stand.

According to an article in the Journal, treatment for the ailment consists of injections of mineral solutions directly into the blood stream. Stricken cattle may be saved if treated soon enough.

Senator Capper on Radio

Every Sunday afternoon at 2 o'clock Senator Arthur Capper discusses national questions over the radio station.

KANSAS FARMER

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H. S. BLAKE	General Manager
Raymond H. Gilkeson	Business Manager
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Three years, \$1; one year, 50 cents. C

Get Down to Brass Tacks, Son,

AND YOU'LL CHOOSE A JOHN DEERE



LOOK FOR Adaptability

Regardless of the size of your farm, the crops you grow or how you grow them, there's a John Deere General-Purpose Tractor in just the right size and type to meet your exact needs, with matched working equipment to handle your particular jobs. Six power sizes in all with your choice of front-end assemblies, plus special high-clearance and wide-tread models.

LOOK FOR Economy

You'll find John Deere has it to an outstanding degree. Exclusive two-cylinder construction with half-as-many engine parts, fewer gears and shafts throughout, insures lower maintenance costs. Better weight distribution for maximum traction plus highly efficient Cyclonic-Fuel-Intake engine cuts fuel bills.

LOOK FOR Dependability

You want a tractor that's always ready to go—a tractor you can depend upon to see you through the seasons. The unequalled simplicity . . . the greater accessibility . . . the blue-ribbon quality of John Deere Two-Cylinder Tractors insures steady, unflinching power . . . fewer "time outs" for maintenance and repair . . . greater field dependability.

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Size for size, a John Deere Tractor is unequalled in strength. Parts are larger, heavier, stronger—bigger pistons . . . heavier crankshaft . . . stronger gears and shafts . . . more rugged frame and housing construction. All the way through, John Deere Two-Cylinder Tractors are built stronger—that's why they stand the punishment of grueling farm work for a longer time.

LOOK FOR Modern Design

Multi-speed transmission . . . automatic crankcase ventilation . . . battery-distributor ignition . . . tapered fuel tank for unexcelled view . . . hand clutch . . . fully-adjustable, swinging drawbar—all these and many other practical engineering features make John Deere Tractors today's leaders in modern design.

LOOK FOR Hydraulic Control

First in the field yesterday, John Deere Powr-Trol is foremost among hydraulic systems today. Thoroughly field-proved, it gives you instant, accurate, effortless control of the widest variety of integral and drawn tools. You'll handle practically every job much easier, much faster, far better with John Deere Hydraulic Powr-Trol.

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In combination with easy, shock-proof steering and quick-acting, individual foot brakes, John Deere offers you exclusive Roll-O-Matic "knee-action" front wheels to give you the utmost in maneuverability and smooth riding. A hand clutch enables you to operate the tractor from seat, while standing on the platform, or from the ground.

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Here again, you'll find a John Deere has everything you've been looking for in a tractor that's easier on the operator—one that will reduce fatigue during long hours at the wheel. All controls are convenient. The deep-cushion seat is fully adjustable; it places you where you watch your work without strain. You can stand at will on the roomy platform.

WHEN YOU CHOOSE your next tractor, "get down to brass tacks"—look for the features that really count and be sure you get all of them.

Thousands of today's John Deere owners know, from personal experience with other tractors, that you just can't equal a John Deere. These farmers and thousands more who "value shopped" before they bought have found that the exclusive John Deere "two-cylinder idea" pays much bigger dividends in dependable performance season after season . . . in fewer and far lower repair bills down through the years . . . in outstanding fuel economy.

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The more you know about John Deere Two-Cylinder Tractors, the more convinced you'll be that a John Deere is the tractor for you. See your John Deere dealer for the complete facts and a demonstration of the size and type that fits your needs. We feel certain you'll be on your way to more profitable, more enjoyable farming—with a John Deere.



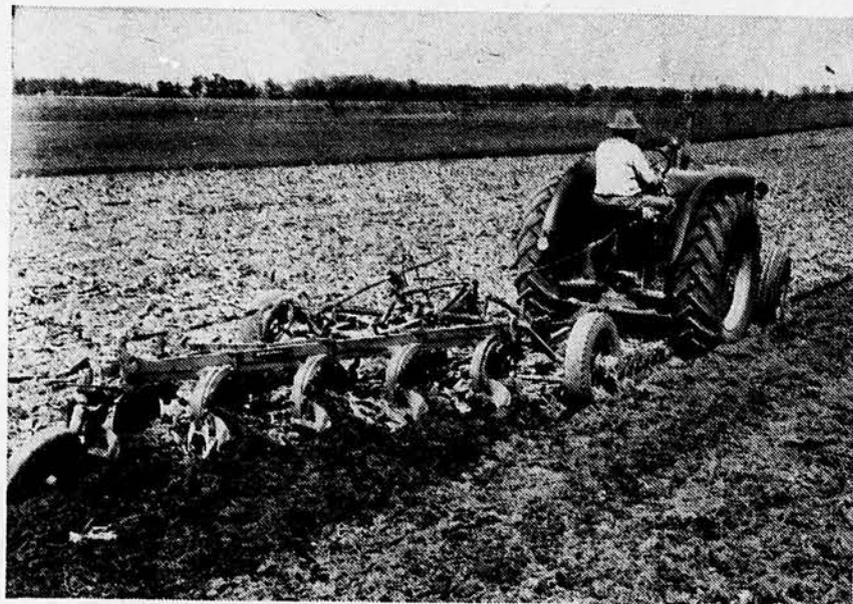
John Deere, Moline, Ill., Dept. GP-11
 Send me free literature on following John Deere Tractors: 1-2-Plow "M" Series 2- and 3-Plow "B," "A," and "G" Series.

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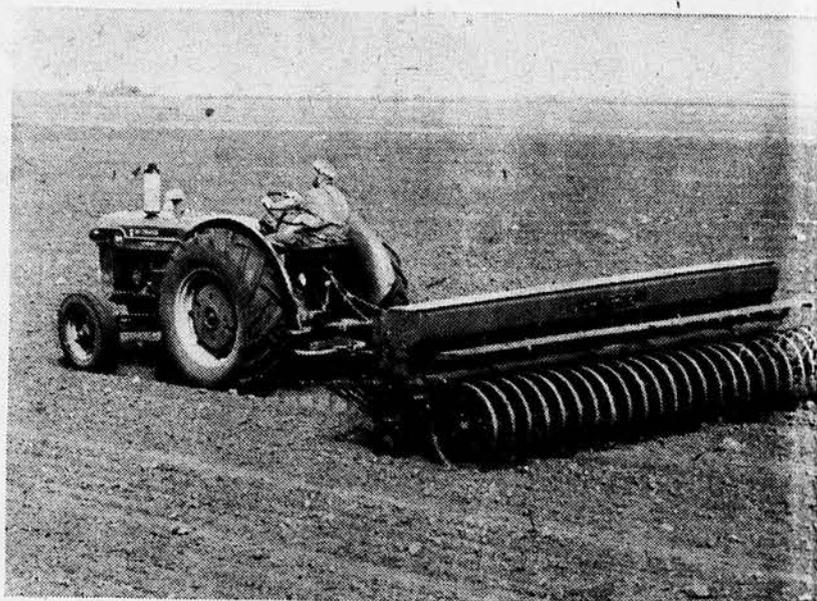
JOHN DEERE  **DEERE** MOLINE, ILLINOIS

You're **1ST** in the field
 with a **5-PLOW**
McCormick STANDARD TRACTOR

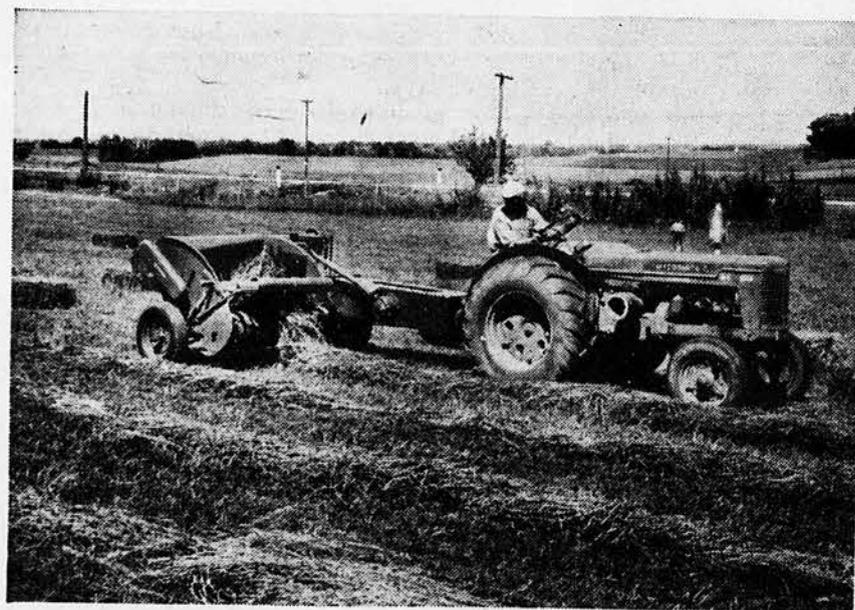
... engines for gasoline, distillate or diesel fuel



Power to cut production costs on large acreage farms! You can hustle right along with five 14 or 16-inch bottoms in nearly all soils—four in the toughest going—with a McCormick W-9 (gasoline) or WD-9 (diesel) Standard wheel tractor. One man can plow 20 to 25 acres a day, at lower cost per acre.



Now 21 ways improved! Always famous for high capacity with low fuel cost, new McCormick W-9 and WD-9 tractors are now *still easier to drive, still more economical to use, and built to last still longer.* Ask your IH dealer for the new catalog, "McCormick Standard Wheel Tractors."

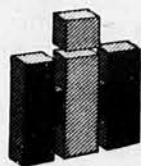


2-3 and 3-4 plow sizes for smaller farms... McCormick Standard tractors are ideal for the heavy work on drawbar, belt or power take-off that often comes just when you need "partner-power" for your row-crop tractor to keep planting and cultivating on schedule. The two-three plow W-4 is shown above pulling a McCormick No. 45-T power take-off baler. The W-6 (gasoline) and WD-6 (diesel) handle three-bottom plows in tough conditions, four in average soils.



New! High-Clearance Carrier in sizes up to 14 feet stubble-mulches up to 60 acres a day with a McCormick W-9 or WD-9 tractor. Coil shanks can be replaced by stiff shanks, subsoilers, ditchers, middlebusters or furrowers—all easily interchanged on the heavy-duty carrier bars.

See your nearby International dealer for complete specifications showing why McCormick Standard wheel tractors are first in the field. Three sizes, five models. International Harvester Company, Chicago 1, Illinois.



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International Harvester Builds McCormick Farm Equipment and Farmall Tractors
 ... Motor Trucks ... Crawler Tractors and Power Units ... Refrigerators and Freezers

Stop, THIEF!

**Stealing livestock,
grain, machinery is on the increase;
here is what you can do to combat it.**

By **DICK MANN**

THEFTS of farm property are on the increase, says Lou Richter, head of the Kansas Bureau of Investigation. "This increase is nation-wide," he adds. National figures show farm thefts have been on the increase since 1946, with a jump of 14 per cent in 1949 over 1948.

The reasons? "Rising prices of grain and livestock, value of machinery and its scarcity," says Mr. Richter. "A few head of cattle at \$200 a head, a load of grain worth \$2 a bushel, or a farm machine worth \$2,000 can bring high profits to a thief—if he doesn't get caught," he explains.

A review of KBI records since the bureau was established in 1939 shows most culprits get caught. "You understand," says Mr. Richter,

"we are called into these cases by local officers or some group like the Kansas Livestock Association when they feel our services will be valuable. Many cases are solved without our help. On those we do solve we work in close co-operation with local officers. Our advantages are that we don't have to stop at county or state boundaries, and we do have the services of pathologists and other specialists not available to rural communities."

Since 1939 the Kansas Bureau of Investigation has succeeded in getting convictions on 107 bona fide cattle thefts. During the last 60 days of 1950 the bureau recovered 60 head of cattle, either in money or stock, at an average value of \$125 a head.

There have been 209 convictions since 1939 of grand larceny of farm products; 32 individuals convicted of receiving stolen farm property; 150 prosecutions on auto thefts; 4 cases where farmers disposed of mortgaged property and left the state; about 55 cases where farmers lost money due to forgeries.

"Forgeries usually are cases of farm employees forging their employers' names to checks," says Mr. Richter. "We have one case," he recalls, "where a ranch employee stole the rancher's check book, bought a bunch of cattle at a community sale (forging the employer's

name to checks to pay for the cattle) and then selling them in another state."

Seventy-eight convictions on stolen farm equipment were obtained by the KBI between 1939 and 1950.

"Two thirds of all farm thefts are committed by farm people or by persons from small towns who are familiar with farming," says Mr. Richter. "The city boy will steal a car because it is the easiest," explains Mr. Richter. "It takes know-how and work to rustle cattle or to steal and dispose of farm grains and machinery."

Altho farm thefts are on the increase there is one encouraging angle, Mr. Richter believes. "We no longer have any organized cattle rustling," he says. "Our last organized rustling gang was broken up in 1943. Oddly enough the culprits turned out to be 2 well-known and respected ranchers who wanted more profits than they could make with their own layouts," Mr. Richter says.

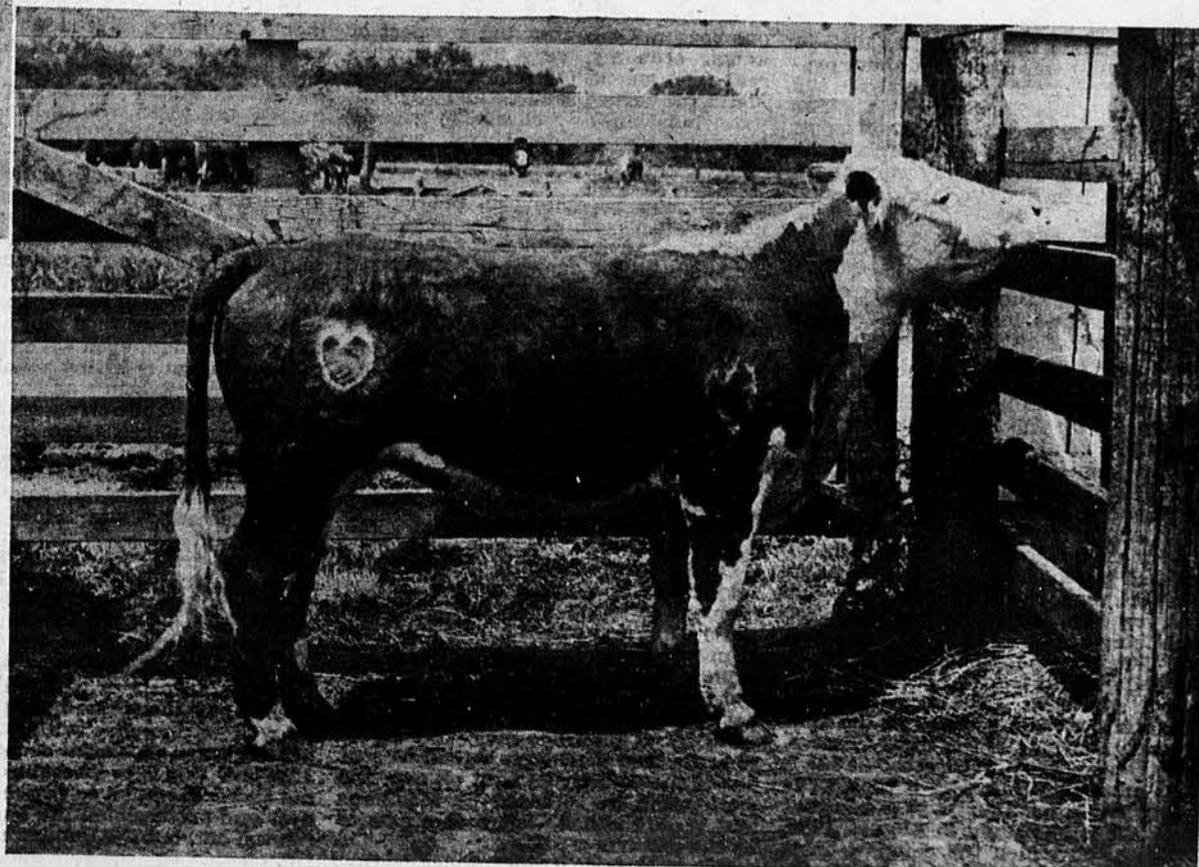
Most grain thefts occur during or soon after harvest when much of the grain is piled on the ground, and when there is a lot of itinerant help in the country. The [Continued on Page 14]



WHILE PAINTING and repairing your farm machinery this winter, take time to put some identifying marks on the framework. Such marks will help you recover if the machinery is stolen.



TRYING TO BURN out a brand only serves to attract attention to the rustler. Present high prices are bringing an increase in cattle thefts.



BRANDED CATTLE seldom are stolen and are easier to trace if taken. This stolen steer was recovered by means of the brand record.

STATE COLLEGE OF KANSAS
JAN 20 1951
MAHARAJA
KANSAS - TOPEKA

Farm Matters

AS I SEE THEM

I DOUBT very much whether many Americans, including farmers, have grasped the extent to which the program now being worked out in Washington is going to change what we have been used to calling the American way of life.

When we are told that we have got ourselves in a position that calls for an indefinitely long period of mobilization at a point just short of war, from which we can move to full war at almost a minute's notice, the words do not have a clear meaning.

What is beginning to bring the point home to individuals and families, perhaps, is Mrs. Rosenberg's demand, representing the Department of Defense, that Congress pass immediately a law drafting 18-year-olds for military service. The next step, drafting boys and girls for government service, if they are unfitted for military service, has not been put before Congress, but I can see evidences the Planners are readying the public mind for this step.

An article in last Sunday's New York Times speaks right plainly on what lies ahead. Under the heading, "What the Truman Program Means for U. S. Citizens—Long Period of Regimented Economy Would Change U. S. Way of Life," Cabell Phillips of the Times Washington Bureau, seems to have seen the picture rather clearly.

"What it boils down to," Mr. Phillips writes, "is that once we have reached the state of mobilization toward which we are now struggling we will, with luck, level out and stay on that plateau with its multi-billion dollar defense budget, its high prices and high taxes, its swol-

len demands for military service and its regimented economy."

In his budget message President Truman called for a 70-billion-dollar-a-year military budget. That may mean total federal government expenditures of better than 90 billion dollars, perhaps closer to 100 billion dollars.

The President also says he wants the Congress to put the federal budget on a pay-as-you-go basis—that is, levy taxes sufficient to pay each year for what the government spends that year.

When such taxes are levied—alho I doubt whether they will be; no Congress will dare taxes that large. But even if federal taxes are increased by one half instead of being nearly doubled, that will be a second thing that will bring what is ahead of us into the range of understanding of people themselves.

Failure to levy pay-as-you-go taxes will make the danger of runaway inflation an ever-present threat. In an effort to halt, or at least slow down inflation, strict economic controls—prices, wages, materials allocations—will be regarded as necessary, and will be imposed.

Scarcity of many basic materials, such as rubber, copper, steel and other metals, will mean a drastic curtailment of such durable consumer goods as automobiles, radios, and such home appliances as refrigerators, washing ma-

chines, stoves and many gadgets for kitchen and other home uses which we have come to regard as necessary, and of machinery and equipment.

Manpower will be a serious bottleneck, not only in industry but also on the farm. The short-

age of manpower on the farm very likely will be the first shortage seriously to hit American agriculture. And I don't believe the boys and young men drafted from the farms, and the older men directed into essential industries, can be replaced effectively by imported labor; Mexicans, Jamaicans, displaced persons, and such. They say we will need a labor force of 70 million persons. The armed services already are planning for 4,500,000 to 5,000,000 men and women by next year. This may be increased.

That will mean manpower controls; government direction of what jobs men and women will take, and where they will work.

The Department of Agriculture points optimistically to the fact there will be a great demand for farm products; that farm income in dollars will be very good. But it also warns of farm labor shortages, and of later shortages in farm machinery and equipment, alho every effort will be made to see there are adequate supplies of replacement parts. There should be no machinery shortages this year, but the manpower shortage may be acute.

Arthur Capner

Topeka.

Here's What Caused "Boom" Value of Land

By CLIF STRATTON

Kansas Farmer's National Affairs Editor

A SIGNIFICANT use of words appeared in a USDA, Bureau of Agricultural Economics press release last month. Over a map of the United States was the following heading:

"Changes in the Dollar Value of Farm Land. Percentages, July to November, 1950."

Notice it is "dollar changes in value." The chart shows dollar value of farm land increased 4 per cent in that period, for the United States as a whole. The Kansas increase was the same as for the nation, 4 per cent. Missouri showed an increase of 5 per cent. Illinois led with an increase of 8 per cent; Indiana, Nebraska, Texas and Florida showed increases of 7 per cent.

The national index of 179 (1912-14 equaling 100) was 6 per cent above preceding March; one per cent above the previous high in November, 1948. The November, 1950, dollar land values in 33 states were above the March, 1920, peak, and in 23 states they were above the peaks reached in late 1948 and early 1949.

In other words, a farm land boom is on.

According to the BAE report, Kansas land values last November were 174 per cent of 1912-14. In that nearly 40-year period they have fluctuated considerably: In 1920, 151; 1930, 113; 1940, 71; 1947, 140; 1948, 169; November, 1949, 164; July, 1950, 168. Ohio has ranged from 159 in 1920, to 77 in 1940, to 178 last November. Missouri was 167 in 1920, 92 in 1930, 59 in 1940, 113 in 1947, 116 in 1948, 121 in November, 1949, 132 in November, 1950.

Part of the story, of course, is in decreased purchasing power of the dollar—in other words, inflation.

A few days ago, Rep. Paul W. Shafer of Michigan put some data on that in the Congressional Record.

"The general index of the Bureau of Labor Statistics," Shafer points out, "covering 28 commodities in the spot primary markets of the United States, as of December 22, 1950, stood at 364.1. This means on that date it took \$3.64 to buy the same amount of goods that \$1 would have bought in August, 1939, the date on which the comparison is based."

"Thus inflation caused the actual purchasing power of the dollar to drop to 27.46 in December, 1950, compared to August, 1939." However—

"The August, 1939, index stood at 75 (1926 base). This means that for 75 cents, the purchaser could have bought commodities which had a value of \$1 in 1926. In comparison with 1926, the purchasing power of the dollar now has dropped to 36.6 cents."

In other words, the "boom" value of farm land today is due more to the drop in value of the dollar than to any other one reason. Of course, the prospect of a war economy, very likely another real war, means (1) an increased demand for farm products and (2) still more inflation, as well as (3) greatly increased taxes, federal, state and local.

You may be disturbed, but should not be surprised, at the confused reports coming out of Washington these days, and in the days ahead. Confused minds in high government posts can only result in confused reports, and in profound confusion.

For one thing, Washington officialdom sees the possibility—generally speaking possibility rather than probability—of full-scale war during the year. Government is trying to prepare the people of the United States for the worst.

It can be stated safely that American Agriculture is in for a "big" year; not necessarily a good year.

On the down side, the biggest trouble very likely is to be farm labor. Government is planning to draft boys at 18 for 27 months, with few exemptions. Plan is to make it easier to bring in unskilled labor from Mexico, West Indies. But that will be mostly "stoop labor"—not the kind required for mechanized farming. It may not seem reasonable to some that their boys should be sent out of the country to fight all over the world, and be replaced by Mexicans and West Indians—but that seems to be the picture.

Belief in farm trade circles is that

newer types of farm machinery will be scarce before the end of this year, big war or not. Making of all farm machinery will be cut down; government plans to have plenty of parts for replacement manufactured. There are expected to be fewer new autos and trucks. As before mentioned, taxes will be upped.

Administration spokesmen are talking of paying the increased military expenditures almost entirely out of increased taxes. That seems almost entirely improbable. Another 25 billion dollars in taxes would mean a jump of around 40 per cent. Federal government, dominated as it is by "liberals," may have to levy a general sales tax—food possibly exempted. But they will be called "excise" taxes. Big jump in income tax rates will be levied on incomes between \$4,000 and \$25,000 a year.

On the up side, as far as farmers are concerned, there will be a strong demand for most farm products. High industrial wages, in government plants and such private plants as are allowed to operate, with full employment, but fewer other things to spend money on, will tend to boost food purchases, and keep prices high, even with controls.

Government is lifting practically all controls on planting and production; urging full production especially of wheat, corn, oilseeds, meat, vegetables and cotton. Dollar farm income should continue to go upward during the year, so will cost of farm operations, cost of living generally, and taxes, of course.

Administration is considering forced savings as may be necessary before the year is out. Despite all the talk of "paying as we go" the government is going to have to issue new bonds, as well as retire billions of dollars of World War II bonds. Idea is to withhold percentages of pay checks for bond purchases, as well as increase withholdings for income taxes and social-security taxes. Just how this is to be applied to farmers and self-employed persons in business and professional life has not been figured out, but the Planners are hopeful.

How to make price-control programs work, without antagonizing organized labor with accompanying wage controls, is a major headache in Washington official circles. The Administration does not love the 81st Congress for requiring wage freezes as well as price freezes—nor for requiring price ceilings on farm commodities to be set not lower than parity or immediately pre-Korean prices, whichever is the higher.

Administration hopes to get an amendment that will obviate this provision, but is not certain the present Congress will be any easier to handle on that question than was the 81st.

Under the existing control act (officially Defense Production Act) only major commodities now subject to price controls at the farm level are: Beef, veal, lamb, mutton, pork, cotton, cottonseed, wool, rice and flue-cured tobacco. Most other farm commodities, including wheat, corn, oats, barley, grain sorghums, rye, soybeans, flaxseed, peanuts, dry beans, fruits, dairy and poultry products, have not reached legal minimum levels.

The Administration has been playing with the idea of slapping ceilings on meat prices. It is running into difficulties.

Addressing the Maryland State Farm Bureau last week, former Secretary of Agriculture Clinton P. Anderson (now Democrat senator from New Mexico) made some remarks on this subject. He worked on the job in World War II.

"We toyed with the idea of ceilings upon cattle on the hoof, and we had to discard it," he said. "When we began putting ceilings on dressed meat, the question always rose as to whether these ceilings were adequate to permit the fattening of beef in the feed lots of Kansas, Iowa, Indiana and Ohio. One of the dangers always is what happens if the margin is too low. The skeleton and hide are not beef. If the animal is sold thin, the American public buys little energy and food. . . . The gain made in the pasture and in the feed lot represents the production of beef. We need to exercise great care in trying to put ceilings on meat."

However, the conferences on meat

(Continued on Page 28)

Aerial Spraying Matures Despite Growing Pains

GROWING pains continue to hamper the huge new industry called aerial spraying. That was quite apparent at the third annual Aerial Spray Conference held at Manhattan early this month.

This annual conference is sponsored by the Kansas Industrial Development Commission, State Board of Agriculture, Kansas Aviation Trades Association, Kansas Flying Farmers and Kansas State College. It was attended by more than 100 flyers and others interested in aerial spraying. Most were from Kansas but 5 or 6 other states were represented.

In 3 short years aerial spraying in Kansas has grown from a tiny seedling to a great spreading tree. But adverse winds have made it twist and groan during that time.

The continuing threat of restrictive legislation keeps aerial spray operators in a sweat. Most will admit regulation probably is necessary, but they don't want to be regulated out of business.

Keeps Operators Guessing

Then there is the matter of insurance. And that item really keeps aerial spray operators guessing. Setting up a program of insurance for the operator or pilot is not particularly difficult. Neither is the matter of hull insurance on the airplane. But liability insurance is a tough one and insurance companies operating in that field are not too numerous.

Classes on insurance during the spray conference ran overtime. Aerial spray operators had a lot of questions to ask. They were trying to determine how much insurance they should carry, who they could get to write it.

Loren Bell, McDonald, president of the Kansas Flying Farmers, pointed

right. And that again has heaped complaint on aerial spraying. Nevertheless, airplanes and parathion saved nearly a million acres of wheat in Oklahoma last year. They saved much in Southern Kansas, too. Aerial spraying saved millions of dollars in extra yields of Kansas wheat in 1948 when wheat was thin and weeds were running rampant. That was the year of the first big growth of aerial spraying.

Altho aerial spraying ranks lower in effectiveness than ground spraying for control of corn borer, aerial spraying again gets the nod here because a given acreage can be covered more quickly. And to get corn borer at the right stage the job must be done in short time.

Aerial spraying has spread into the brush control field. Here, too, it has had its difficulties. In many localities it was deemed the airplane could not compete with ground equipment for brush control because of the large

gallage needed to affect kills of brush. But that may have been a false assumption. C. E. Fisher, of the range experiment station, Spur, Texas, debunked the idea that if a little chemical is good, more would be better. He pointed out that in some cases smaller amounts result in better translocation of poisons to the roots. In the end that helps reduce a more complete kill.

But aerial spraying is just one phase of this new industry. Use of airplanes for spreading fertilizer has been found ideal for some jobs. And the same goes for certain reseeding operations. Best use of the airplane for those jobs so far is in rough grazing lands not easily worked with ground equipment. But with more research, it is entirely possible use of the airplane here too can be increased advantageously.

Use of the airplane in agriculture still is in an infant stage of development. It is growing rapidly and to grow straight this young industry needs help. It needs the aid of background research. Research in use of new and old chemicals. How much chemical to use, what kind and size of droplets. It needs legislation that will enable the industry to mature respectably, not restrict it unnecessarily.

Most Important Point About Garden Seed

By WILLIAM G. AMSTEIN, Kansas State College

WE HAVE a chance at this season, before purchasing our 1951 garden seed, to check on the many new and old varieties listed. We can compare descriptions with our experiences and dream up a better garden program as a result. Home food production always is useful and recent events serve to stress the program even more.

There are many different items to

be used if possible for the best results.

Our experience indicates there are certain sources or areas of production best adapted to produce many types as well as varieties of garden seed. This does not mean you will get your seed directly from these growing areas, but we hope your dealer or seed firm has made this arrangement. For example, peas and beans grown in California and Idaho or similar favorable areas are considered among the best to be had, provided varieties used are adapted to your community.

You may have noticed your seed package had a stock or lot number on it. This same code mark is kept on all seed of this variety from the same source. Later next summer the code on these empty packages may help you and your dealer trace them so you again have this strain another year, if it was good.

Yes, the garden seed business is a large undertaking even tho you may think of it in terms of so many packages costing a dime each. Those engaged in it realize their continued success depends upon your satisfaction with their products.

One problem we need to correct is to put an end to the collection of synonym names usually considered by many to

Natural Gas

Guest—"That's a beautiful rug. May I ask how much it cost you?"

Host—"Five hundred dollars. A hundred and fifty for it and the rest for furniture to match."

Jack—"What seems to be the trouble between you and your wife?"

John—"Well, just about every night she dreams she's married to a millionaire."

Jack—"Oh, you foolish, lucky boy! My wife thinks that all day long!"

John—"Say, my razor doesn't cut at all this morning!"

Mary—"Now dear, don't tell me your beard is tougher than the kitchen linoleum!"

be distinct varieties. Actually they often only represent a different label. What happens then when 3 neighbors each order a different one of these "varieties." They are not able to tell them apart where they are grown under similar conditions. The entire vegetable variety list has many other similar examples. Many firms have chosen to humor us and have all available. Most seed firms would prefer to prune their variety lists down to the main basic types or varieties. We should help them.

An example of the problem in the market garden field in the Kansas City area has to do with sweet corn. A variety sold locally is highly regarded, but outside of this immediate source of seed supply it is practically unknown. It has become so in demand most local suppliers have it. Elsewhere it is usually thought of by another name. No wonder it is well thought of for it is one of the best varieties available today.

Has Been Improved

In this variety problem a program of another type that is much more useful is concerned with Rutgers tomato. Introduced by Professor Schermerhorn at Rutgers University in New Jersey, he has continually worked with it to maintain and improve it. A foundation seed stock is maintained that is released to recognized seed firms for increase purposes. For example, a 1953 model Rutgers may be increased this year.

Rutgers has not been allowed to run down. In fact the selection has been improved in many ways. It is a policy somewhat similar to that followed by automobile manufacturers who come out from year to year with new models or make improvements in existing models, but retain or maintain the basic design.

As a rule new varieties should be tried in a small way the first year or two. Seldom is it a good policy to entirely discard a useful adapted variety for one that is largely unknown and certainly untried in your area. After a year's test under your conditions you can determine whether the new varieties are really superior to the old ones you have been growing. Grow them side by side under similar conditions.

Vegetable seed cheapest by cost based on the ounce or pound rate may turn out to be the most expensive you buy. This is especially true if the crop variety proves a failure because of low germination, lack of adaptation or disease resistance that could have been obtained in another more expensive one. Cost of seed is often a small part of the total investment in your garden. However, a high price tag by itself is not a guarantee that a variety or a selection will prove a success either.

Whenever possible get certified seed. Your favorite seedsman will have it if available and the demand warrants stocking it. Try to buy seed where the germination test is known and listed. This year you also will find more seed that has been treated for you.

Fire Fighting Next Issue

Have engineers found the answer to fighting farm fires? You will be interested in learning that new developments in fire fighting equipment show much promise for future safety of farmsteads.

Look for the story in next *Kansas Farmer* dated February 3, 1951, bringing you the latest information on "high pressure fog equipment for rural fire protection."

ut that members of his organization would like to see legislation setting definite limits on the amount for which a spray operator could be held liable. But Conrad Eriksen, chairman of the insurance section, doubted such legislation could be expected. Concurring in his opinion were insurance representatives at the meeting.

Mr. Eriksen advised aerial spray operators to incorporate their spraying operations, and to carry enough insurance to cover moral obligations. But how much is that? Insurance representatives recommended taking out 50,000-100,000 liability because the cost is little more than lower amounts. The many "angles and doubts" made some drop out of the business early.

Even so aerial spraying continues to grow and gain in importance. But help is needed to determine best methods, to improve equipment and knowledge, to prove effectiveness of new chemicals which appear each year.

Promising New Chemical

One of the promising new chemicals is aldrin, which seems tailor-made for airplane use. For example, in control of grasshoppers only 2 to 4 ounces of aldrin an acre are recommended. The small application increases the economy of the airplane in grasshopper control. Last year greenbugs destroyed 1 to 2 million acres of wheat in Oklahoma at an estimated loss of 22 million dollars. Oklahoma did not have enough planes to control the insects, Dr. F. A. Fenton, of Oklahoma A and M College, told operators. Greenbugs destroyed an estimated 30 million dollars of wheat in Kansas last year.

Greenbugs can be stopped with parathion and it is best applied with an airplane. In fact, Doctor Fenton recommended metacide for ground rigs because it is far safer. Parathion is extremely dangerous to use if not used

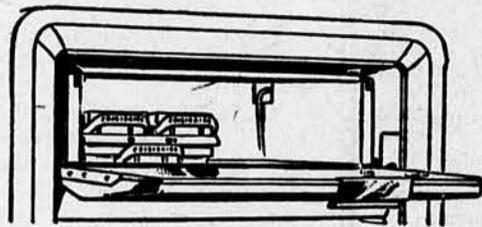
consider in connection with success of a Kansas garden. No one item is more important, however, than selecting adapted varieties of high-quality, disease-free seed. Certified seed should

GRANDMA . . . By Charles Kuhn



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Any Flower Questions?

Remember in your January 6, 1951, issue of *Kansas Farmer* we promised the first of a series of articles this time on growing flowers. The writer is Frank Payne, who grows flowers by the acre in Wyandotte county. On this page you will find his No. 1 article in a series of 10 that will be coming to you right along now in *Kansas Farmer*.

This first article tells how to grow flowers with ease, where to plant them, varieties to choose for various locations. We know you will wish to clip and save each one of these helpful articles. There will be 6 spring and 4 fall articles.

But that isn't all! If you have any questions about flowers you would like answered by Mr. Payne, please send them to *Kansas Farmer*, at Topeka. He will answer any sent in by May 1, 1951, provided they are about flowers only, and provided you send a stamped addressed envelope for your reply. Send your questions to Editor, *Kansas Farmer*, Topeka, Kan.

No. 1 Here's first of flower articles from man who grows acres of them

Grow Flowers With Ease To Beautify Your Home

By FRANK PAYNE

SOME folks may think growing flowers requires great scientific knowledge. That is not true. Most flowers can be grown as easily as corn, beans or potatoes. Of course, you must learn when and where and how certain types of flowers must be planted.

When a farmer has a piece of land too wet to grow corn or wheat, he doesn't let it grow up in weeds and go to waste. No sir, he will sow timothy or some kind of grass that can stand wet ground, get a big hay crop or good pasture for his livestock.

The same is true about flowers. Some flowers like shady places, some prefer damp and moist. Other flowers hate such places—simply cannot stand "wet feet," but will be generous with bloom if planted in dry and sunny spots. Some flowers do nicely planted close to the house or buildings, while others must be planted out in an open place with lots of sunshine and air. Out in your vegetable garden is a dandy spot for them.

Plan well ahead of planting time to prepare flower beds. Late fall or some day in early winter months when frost is out of the ground you can spade the soil deeply, digging in some well-rotted manure and leaving the soil rough on top so it will absorb all winter snows and rains. Never use fresh manures on flowers. It may burn them when young and tender growth starts. If you use commercial fertilizer be sure to follow directions carefully—don't overdo it or your flowers will burn up.

Soak Them Well

In extreme drouths you, of course, must water your flowers. When doing so, do not sprinkle water on foliage but lay hose on the ground, turn it on easy and let water run slowly for several hours. The cool of the evening is the best time to do that. Give your flowers a good soaking, then don't water for a week or 10 days. That is only following nature's way of watering and you cannot improve much on Old Mother Nature.

Mulching with your lawn clippings is good for most flowers after they have made 5 or 6 inches of growth. But best of all is shallow cultivation with a hoe, after the top of ground dries from a rain or watering. This conserves moisture by making a dust mulch, and it isn't a thing different than a good corn farmer does when he cultivates his crop, destroying weeds while they are young and easy to get rid of.

Flowers Recommended

Here are some flowers that will do nicely in hot, sunny places like the south or west side of buildings. They are cornflower, calliopsis, morning glory, rose moss, scarlet sage, zinnia, iceland poppies, four o'clock and day lily.

Flowers for shady places and the east or north side of buildings are pansies, lily of the valley, snapdragons, Drummodi phlox, tuberous begonias, Columbinas and violets.

If you have a wet place plant Japanese iris, cardinal or lobelias, butter-



Frank Payne

cup, true forget-me-nots, pitcher plant or marsh marigolds.

In rocky places you are limited to poppies or alyssum.

Should you need tall-growing flowers to hide an unsightly building or for background plantings, then plant cannas, sunflowers, castor beans or hollyhocks.

A big half of the fun in growing flowers is to have plenty for cutting, and to have them in a place that cutting will not affect the looks of home beauty. Out in your vegetable garden is the right spot and here is a dandy list that will please everyone. They are dahlias, gladiolus, tuberoseas, China asters, larkspur, sweet peas and peonies.

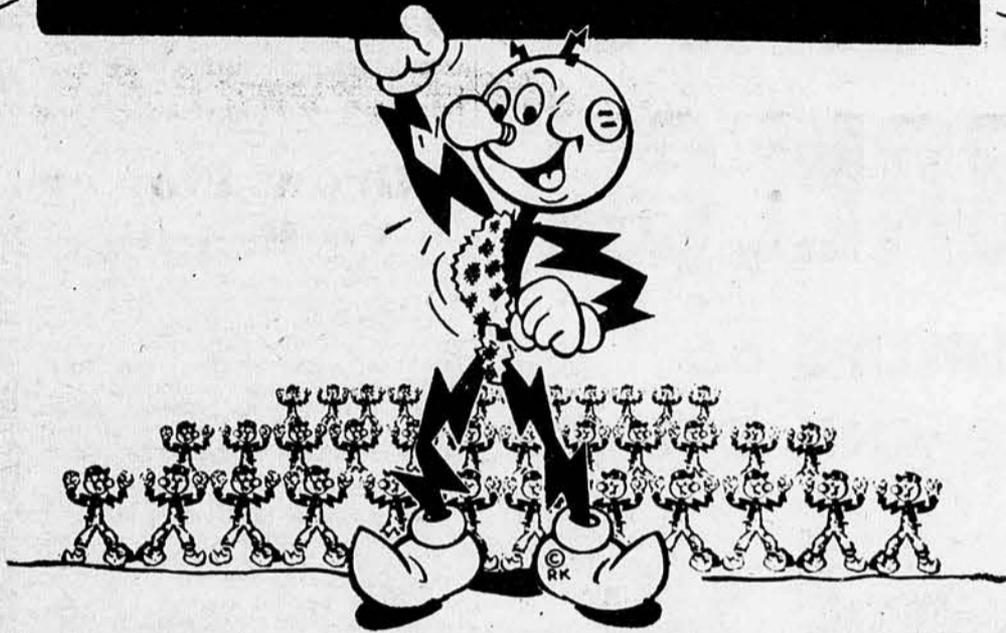
Some facts to remember are these: A few dollars spent on flowers to beautify your home will add a hundred dollars to its value and appearance. Newly-built homes must have a lot of flowers to keep them from looking bare. Old homes must have a lot of flowers to hide their defects. After all, flowers are an investment, not an expense. The profits are great when you add up the enjoyment they give you, your neighbors or folks driving by your home.

My next article will tell you something about "Seed Flowers" for both early and late plantings.

Capon Production Bulletin Available

Poultry raisers who specialize in capons or intend to do so this year, will benefit by having a copy of Kansas State College Experiment Station's bulletin, No. 335, "Capon Production," for reference. The beginner in this phase of poultry production will find this booklet a complete guide with its many illustrations. Kansas Farmer's Bulletin Service can have a copy sent to you without charge as long as the supply lasts.

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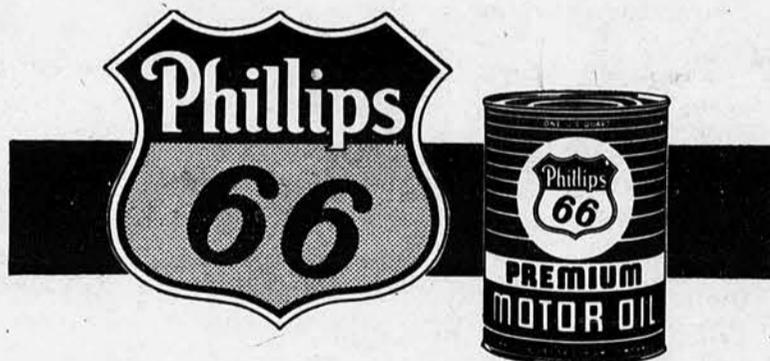
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What Good Are Ports of Entry?

By JOHN HARVEY

Secretary-Manager, The Kansas Motor Carriers Association, Inc.

KANSAS FARMER carried a cover story in the July 15, 1950, issue explaining functions of the Kansas Port of Entry system. The following article by John Harvey presents one side in the controversy that has arisen over whether the Kansas system of handling the trucking industry is the best possible. We are glad to print Mr. Harvey's opinions, just as we always are willing to give a hearing to all sides of any question affecting Kansas farmers and their welfare.

What are your opinions on the Kansas port of entry and ton-mile tax? We would be glad to hear from you on this subject in time for your opinions to be of value to legislators studying this problem during the present session.

—The Editors.

ONE chief issue before this 1951 session of the Kansas legislature concerns the future of an industry that figures in marketing every agricultural and industrial product. So entwined in the economy of this state has the trucking business become that any threat to its well-being is a direct threat to the trade patterns, the great highway program, industrial development and continued prosperity.

The fact there are more than 500 towns in this state from which the marketed products of our farms and factories could not flow were trucks not used to haul them illustrates what we mean. A great portion of our goods moves today only because truck transportation is available to move it. And commerce between many Kansas points has developed only because this method of transportation has been available.

Industry Might Collapse

Yet collapse of the trucking industry is one possibility that may arise from restrictive legislation or continuance of present nuisance taxation which discriminates against Kansas truckers, Kansas shippers and Kansas taxpayers. The fact this state refuses to adopt a tax method and regulations which are commensurate with those of neighboring states and prolongs its inefficient, unenforceable and vexing ton-mile tax and parasitical ports of entry jeopardizes all interstate traffic.

It is not a question as to whether truckers are paying a just share of roads and highways costs. The governor's fact-finding committee established the income needed for the long-range program 2 years ago. Nor is it a matter of seeking an adjustment of taxes for those who operate wholly within the state.

The big question involves "reciprocity" or "uniformity" among states in the matter of licensing trucks and regulating them. Because of the Kansas ton-mile tax and its burdensome paper work and inequalities that set Kansas apart, most Midwest states refuse to honor Kansas truck licenses. Even though the law-enforcing bodies of this state recognize most foreign licenses, "border wars" are being re-enacted with increasing frequency purely as retaliation, according to officials in those states, against the Kansas tax and regulations.

Fees Eat Up Profits

For instance, there are Kansas truckers who haul livestock and make their living contracting with farmers to transport stock to market or from sale to ranch. Yet an operator's truck bearing only a Kansas license cannot carry stock into Oklahoma or into other states. License fees assessed upon entry eat up the rightful profit and yet Oklahoma trucks come into Kansas, take the consignment, pay only an insignificant ton-mile fee, and collect the profit for which a Kansas businessman cannot compete.

One case history reported to the legislature shows that while the commercial livestock carrier rate per hundred pounds from Beloit to Kansas City is 28 cents, the rate from Beloit to Omaha, almost exactly the same distance, is 45 cents. Should a shipper, therefore, find an advantage in the Omaha market situation it would be wiped out by the increased cost of getting it there—unless he called for a Nebraska trucker.

Shippers of meats tell similar stories. Much Kansas meat goes to the west coast, but only after some expensive licensing in New Mexico and Arizona running to about \$1,000 per truck. A major Kansas manufacturer of farm implements says his fees to operate in all states in his territory would amount

to \$3,000 per truck if he sent all of his fleet into every state.

The legislative council views the situation as needing only a state agent empowered to negotiate reciprocal agreements with other states. It is not that simple. There never will be reciprocity without uniformity, and the Kansas ton-mile tax and ports-of-entry method of collecting offer anything but uniformity.

Many states which have had a ton-mile tax system have given it up. Cost and time involved in the extensive paper work required of the operators is one big objection. Collection depends on voluntary declarations of individual operators and checking thousands of trucks that operate in Kansas is a tremendous bureau operation, a burden on other taxpayers, and a tax that encourages overloading and increasing highway hazards.

Total direct cost, for instance, of operating ports of entry, where all commercial trucks are checked in and out of the state, amounted to \$540,427.30 for the fiscal year ending June 30, 1949. Fees required of trucks clearing through the ports brought in \$437,115.35, or an apparent cost to the highway tax system in excess of \$100,000. Actually the cost is greater since personnel and supplies of other state departments do the administrative work for the ports.

Inspect for Weed Seeds

An additional duty of the ports of entry, incidentally, calling for inspection of shipments for any harmful weed seeds and other detriments to Kansas crops and livestock is under attack by the Kansas Farm Bureau. Inspection prevailing at the ports are not contributing toward any protection, say observers, and reports from KFB members indicate they favor abolishment.

Farmers in the bordering counties of the state also have been experiencing aggravating difficulties, is the further complaint, in getting in and out of the state perhaps to go only 10 or 15 miles into another state. It is evident that the farmers do not pay the ton-mile tax (except when they ship by commercial hauler) the ports of entry do not justify their cost and most certainly would not be justified were the operations to be expanded to make strict enforcement of all related statutes possible.

The general dissatisfaction led to resolution approved at the state convention of KFB last November which reads in part:

"We believe the Kansas port of entry and ton-mile tax laws need thorough overhauling. We doubt the usefulness and economy of the ports of entry as they are now being operated. In many cases, they cause serious disruption of truck transportation with no apparent value. . . ."

There is a solution to the problem. Eleven states on the west coast have worked out an agreement that has performed well for 3 years. This agreement does not include the ton-mile tax and is more efficient and more easily enforced than the method Kansas insists on keeping. At any rate, the Kansas situation must be relieved or the industry that is the largest single employer of personnel, except for agriculture, may be effectively throttled back to a dangerous slow pace which could put Kansas business back by a dozen years or more.

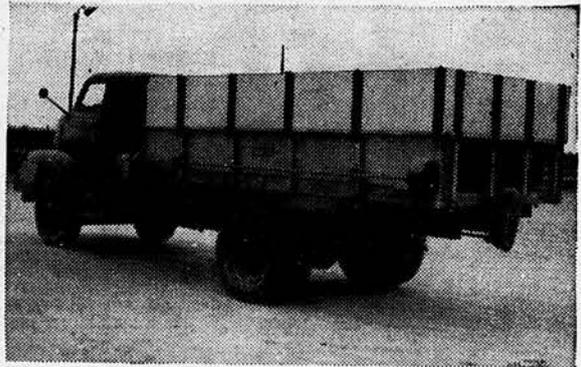
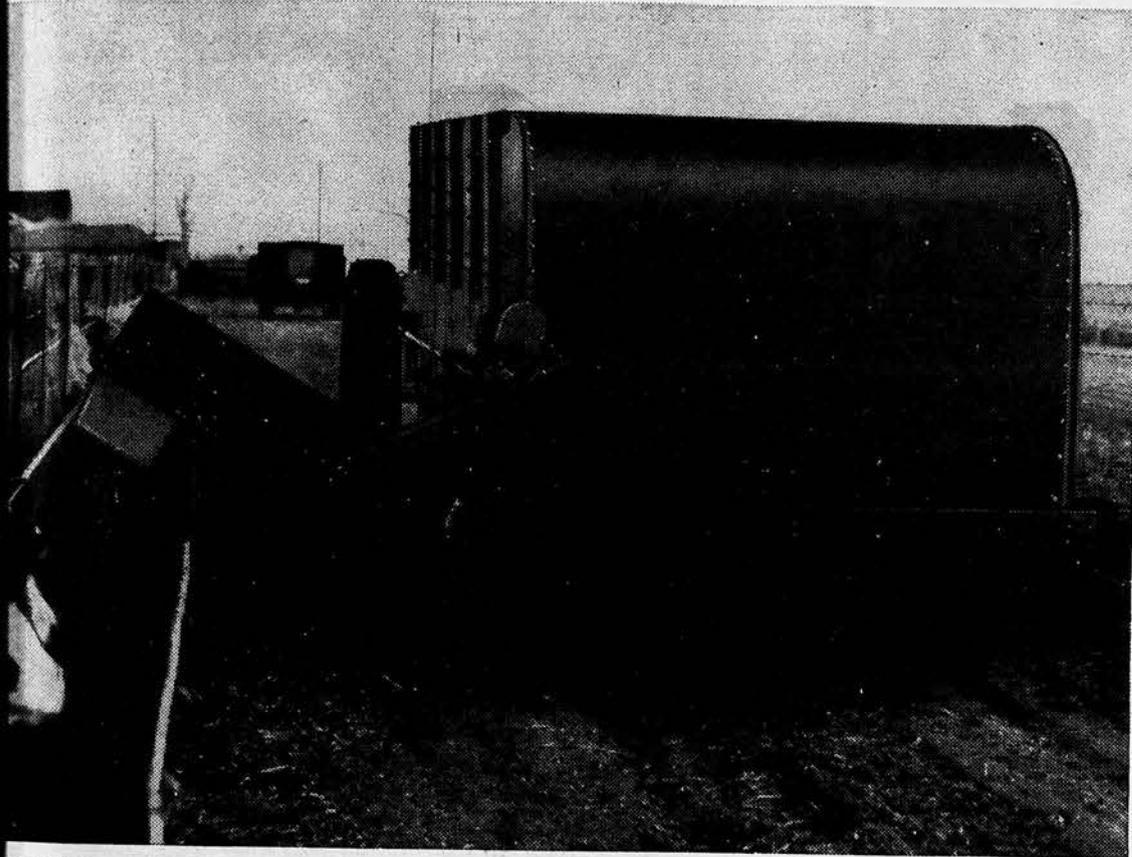
Won't Rust Shelves

Protect new canister set or bread box from rusting by giving it a coat of colorless nail polish on the bottom and ¼-inch up the sides. Thus protected, it will leave no marks on shelves.—Mrs. Fred Fienup.

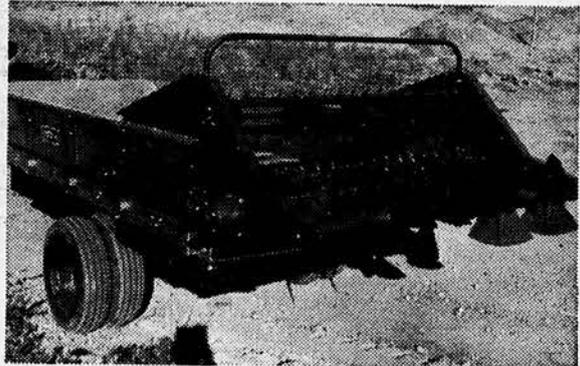


"Feeding stock is an easy one-man job with my FARMHAND 'POWER-BOX'"

FEEDS up to 6 tons in 2 minutes with MIXER-FEEDER ATTACHMENT
SPREADS manure 4 times faster with SPREADER ATTACHMENT

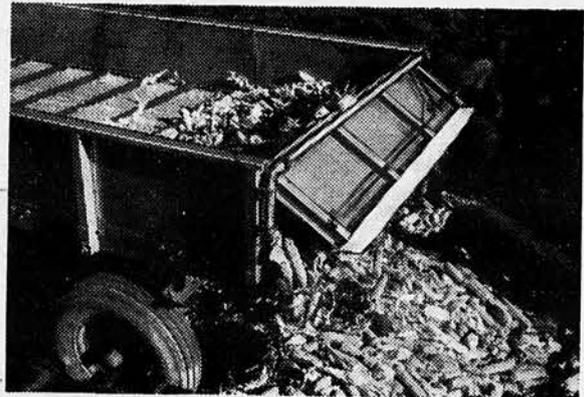
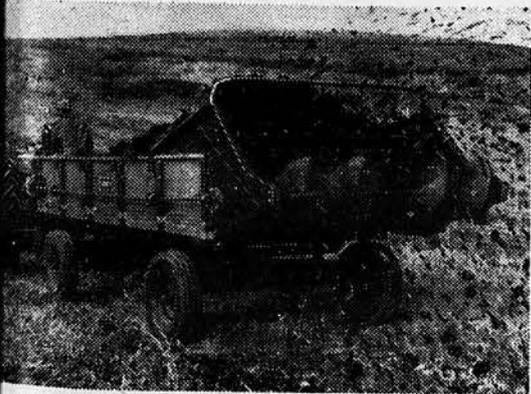


MIXER-FEEDER may be mounted at front or rear for most convenient operation. Protective hood prevents blowing and loss of feed during mixing. Extension sides are optional, easily attached.



SPREADER ATTACHMENT makes one of your toughest jobs easy! With "Power-Box" and Spreader mounted on a truck, you can cover large areas, get manure to back fields, free your tractor for other work.

I'M GETTING MORE BEEF AT LESS COST—saving time and labor with my "Power-Box" and Mixer-Feeder Attachment. Power-driven drum and beaters mix grain and roughage, conveyor delivers automatically. Works well with smaller amounts, different mixtures. Mixer-Feeder and Spreader are easy to mount or remove. Self-unloading "Power-Box" is always ready for any job. A real labor-saver, proved on western ranches.

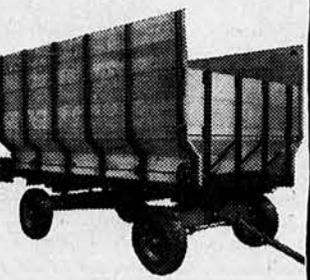


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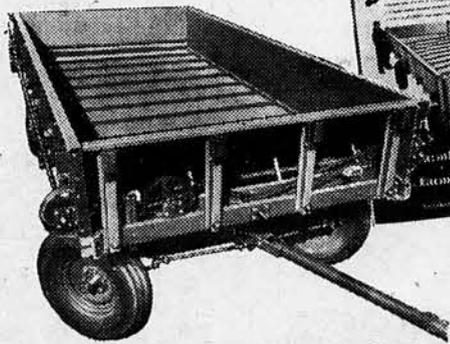
FITS TRUCKS, WAGONS, or two-wheeled trailers. Built for long, dependable service, "Power-Box" has oil-treated marine plywood bed, heavy aluminum sides that resist manure and silage acids.

UNLOADS ITSELF! No back-breaking shoveling! Endless chain conveyor with worm gear drive empties loose or bulk loads quickly. Clutch lever gives you instant control. Powered by tractor take-off.

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A 6-ton, self-unloading forage box that handles the harvest in one step from field to finish!



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Farmhand 'POWER BOX'

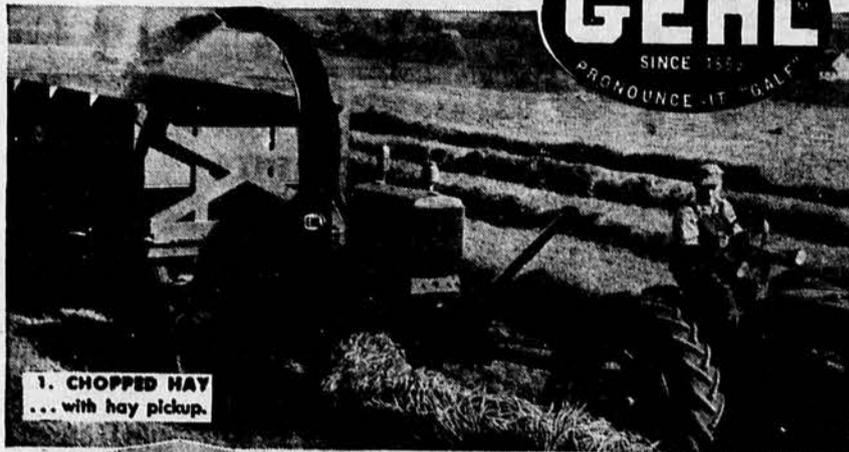


MIXER-FEEDER ATTACHMENT
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Quick Change-over for 3-WAY Harvesting



2. **GRASS SILAGE** ... with mower-bar attachment and own motor.



3. **CORN SILAGE** ... with row-crop attachment and power take-off.

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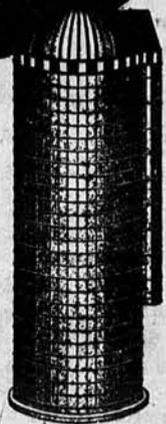
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... WILL CURE THE FEED JITTERS

Has the high price of feed got you nervous? Do you sweat when you think of mounting feed and butterfat production costs? You can cure those feed jitters by investing \$38 in a Dodson "Red and White Top" Silo, and pay the balance from income. Silage preserves sugar, protein, vitamin A and minerals. It's smart to cut feed costs and increase beef and butterfat production by feeding silage. Send for descriptive literature and the article, "Grass Silage" by Louis Bromfield.

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WICHITA AND CONCORDIA
KANSAS



Here's What Healthy Hens Need in Their Feed



- Water
- Proteins
- Carbohydrates
- Fats
- Vitamins
- Minerals

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

THERE has been tremendous demand made upon poultry in recent years for rapid growth and high, efficient egg production. This has resulted in a great amount of research in the field of poultry nutrition. Back when poultry-keeping first became a part of the farm enterprise most folks were satisfied with results obtained from feeding poultry home-grown grains. Most chickens, if given the run of the farmstead, could pick up enough waste grain and other food to grow to maturity and remain fairly healthy. They would, however, grow very slowly and lay only a few eggs each year.

Grains when fed alone are lacking in certain nutrients. Because of this, mashers are fed which contain minerals, proteins and vitamins usually found lacking in grains. Feed is the largest item of cost in poultry production.

Be Sure of These

These nutrients are required by poultry, not only for growth and maintenance but also for egg production: Water, proteins, carbohydrates, fats, vitamins and minerals. The more rapid the growth or the higher the egg production, the more demand there is for the nutrients in correct amounts and proportions.

Water is one of the most essential nutrients. It is necessary that an abundance of clean, fresh water be available before the birds at all times. The egg is two-thirds water. Hens will stop laying quicker if forced to go without water than if made to go without feed.

Proteins are important in a well-balanced diet. Proteins are broken down into amino acids, 11 of which are classified as essential for poultry. Amino acids are especially important in rations of growing birds and laying or breeding hens as they form tissue proteins such as feathers, flesh and eggs.

The 2 general classes of protein sources for feeding purposes are animal and vegetable. As a rule animal proteins provide greater variety and larger quantity of essential amino acids than vegetable proteins. It is neither economical nor practical to use animal sources of protein exclusively in the diet of poultry, as a combination of animal and vegetable proteins gives the best results. A variety of protein in a ration is advisable as no one protein contains all essential amino acids.

There are 3 sources of animal protein that are commonly used in formulating a poultry ration. They are: Fish meal, meat scraps, and milk products. Fish meal is very digestible and contains a good variety of amino acids. It is sometimes difficult to get. Meat scrap is the most widely used of animal proteins. It must be supplemented with other proteins. Milk proteins are highly digestible and contain a good variety of amino acids. They may be supplied in a dried, semisolid, or liquid form.

Vegetable proteins are less expensive than animal proteins and may replace them to some degree. A well-balanced

ration contains proteins from both sources. Soybean meal is extensively used as a vegetable protein. Other vegetable proteins less commonly used are corn gluten meal, cottonseed meal, peanut meal, and alfalfa meal.

Carbohydrates are used primarily for production of heat and energy; the excess being stored as fat. Cereal grains contain an abundance of carbohydrates. They also supply some proteins, minerals, and a few vitamins. It is best to use a combination of as many grains and grain products as possible. Corn, wheat, and wheat by-products, barley, oats, and sorghum grains are all used.

Fats are used for production of heat and energy, but are not commonly fed in a ration as poultry is able to convert other nutrients into body fat.

Are Very Important

Vitamins are very complex organic materials and also found in very small amounts in feedstuffs, are extremely important. Vitamin requirements are influenced by rate of growth or rate of lay. A rapidly growing chick or high-producing hen requires a considerably higher amount. Poultry requires some of all the vitamins except vitamin C. Most of the vitamins are found in sufficient quantities in the ordinary ingredients that go to make up a poultry ration. The 3 vitamins most likely to be deficient are A, D, and riboflavin.

Vitamin D is supplied by direct sunlight. A deficiency causes rickets which is characterized by a softening of beak and bones with swelling of joints. In laying hens a deficiency causes thin-shelled eggs followed by a decrease in egg production and marked reduction of hatchability. Fish oils or synthetic D are supplied in the ration.

A ration may be partially deficient in riboflavin without showing any marked symptoms. A deficiency in chick rations brings about retarded growth, and if a serious deficiency occurs, chicks may walk on their hocks with their toes curled upward. In breeding birds, lack of sufficient riboflavin results in poor hatchability. Riboflavin is available in fish meal, milk by-products and as a synthetic vitamin.

Need Dozen Minerals

There are about 12 different minerals required in a poultry ration, but only 4 are likely to be deficient. They are: Calcium, phosphorus, sodium and manganese. Because most grain and protein ingredients are deficient in these minerals it is necessary to add them to the ration. Calcium is supplied by adding oyster shell or high-grade limestone to the ration. Phosphorus is provided by adding steamed bone meal. Sodium is supplied by adding salt. Manganese is supplied by adding small amounts of manganese sulphate.

Poultry-nutrition research has made possible 5-pound birds at 12 weeks old on 2½ to 3 pounds of feed per pound of gain. Each year brings many new discoveries in poultry nutrition.

Coming Soon . . .

What has taken place in the Kansas dairy industry in the last 50 years? Is Kansas keeping up with the parade of progress? How does income from dairying in Kansas rank with other farm products? What are present trends in the dairy industry?

These and other interesting questions are answered by Prof. F. W. Atkinson, head of the department of dairy husbandry, Kansas State College, in a special article coming in an early issue of *Kansas Farmer*. Don't miss it.



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They're tough and they're thrifty, these new Chevrolet Advance-Design trucks for 1951. They're engineered from the ground up to deliver power where you need it, when you need it—as long as you need it. They're built to carry heavy loads—lots of them—to stay on the job day after day, mile after mile. They make every last drop of gas deliver its utmost in power output—no other type of engine matches valve-in-head efficiency. They have cabs built for greater driving comfort. See the ideal combination of hauling power and economy—the new 1951 Chevrolet trucks—at your Chevrolet dealer's today.

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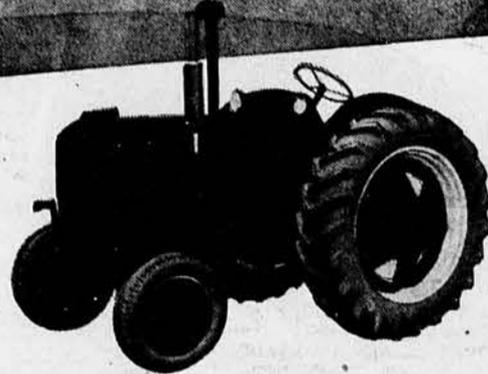
Chevrolet's low prices save you money right at the start. And you save again when trade-in time rolls around. As America's most popular truck, Chevrolet traditionally has greater trade-in value.

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"WE NEVER REALIZED HOW EASY A TRACTOR COULD HANDLE . . .

"IT WADES RIGHT THROUGH TOUGH SPOTS WITHOUT SHIFTING GEARS...

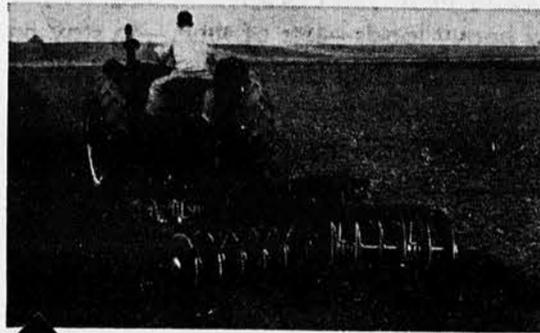


Both great tractors—the regular Model "DC" (below) and the 4-wheel, high-clearance "DC4" (above)—can be bought as shown, or the "DC" can be converted to "DC4" at comparatively small cost for front axle parts. Standard 4-wheel and orchard models are included in the 3-pow "D" Series, also in the full 2-pow "S" Series. All are available with hydraulic implement control.



"Its shock-proof steering helps a lot, too," say Wilson Bros. of their Case 3-pow "DC" tractor. And about the rubber-tired 3-bottom Case Centennial plow F. A. Barrett says:

"It does a wonderful job of turning under corn stalks. It leaves the cleanest furrow, the plowed ground is level. It pulls easily. When it comes to scouring, you seldom have to stop to clean a plow. I have used many different plows, never before owned one I liked so well."



Amazingly even penetration and prevention of "tracking" by rear disks are achieved by Case "RH" Soil Conservation harrows. They "follow" well on curves, adjust at a touch of hydraulic control. Tractor is the full 2-pow "SC."

Folding levers and drawbar allow outer sections of Case spike-tooth harrows to be folded inward for going through gates—no tools needed. Case spike and spring-tooth harrows are sturdy and long-lived, seldom clog. "SC" tractor shown.

Why lose time with a too-small tractor? Take the wheel of any Case tractor . . . even the mighty 4-5 plow Model "LA" . . . and see how easily it handles. See how Case heavy-duty engines buckle down and lug through hard pulls. See how the 21 great Case tractors . . . in four power groups and many models . . . offer you exactly the size and type to fit your acreage and your crop system. Let your Case dealer show you the sturdy construction that lengthens tractor life, lowers upkeep expense. See him now—make your plans for the days and years ahead.



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Stop, Thief!

(Continued from Page 5)

bureau recently cracked a case where a truck operator had rigged up an ingenious gadget to change weight of the load. With this truck he short-changed elevators and farmers out of thousands of dollars.

Kansas cattlemen are well aware of the problem facing them in regard to cattle rustling. Officers of the Kansas Livestock Association recently met with state officials and asked for help. As a result the State Brand Inspection Commission is asking the legislature for 3 times as much money for the next 2 years as was sought 2 years ago.

More Money Needed

Charles R. Lake, state brand commissioner, told the state budget committee: "More money is needed to slacken the pace of cattle rustlers and to protect owners of the 4 1/2 million cattle that each year graze on Kansas blue stem.

"We need more inspectors and that requires extra money," Lake told the committee. "Right now there are only 6 of us. We can't properly combat cattle rustling under these conditions.

Lake told the committee also it would be impossible for his office to check the 145 licensed community sales in Kansas. "Our \$5 fee for 5-year brand registrations will not cover the operational costs of our department," Mr. Lake pointed out.

Because of high value of livestock and the increase in rustling, the Kansas Livestock Association is asking for some new legislation this year. Officers of the association want a law which will require bills of sale or evidences of lawful possession by persons who market cattle thru registered agencies.

Temptation to steal cattle—especially calves—is increasingly great with the advantages rustlers have of rapid trucking facilities and the lure of high prices, cattlemen point out.

In the meantime, what can you do personally to better protect your property?

"Universal branding of all cattle is the best answer," says Mr. Richter. One of the total number of livestock thefts prosecuted by the bureau since 1930 there were only 15 cases where branded cattle were involved.

"Branded cattle are harder to get rid of and easier to trace," says Mr. Richter. "If the thief tries to blot out or change the brand his attempts usually serve to attract attention rather than help him cover up."

Here are some suggestions offered by Mr. Richter to help you protect your property from theft:

1. Be sure you know exactly how many head of cattle, sheep and hogs you own. Keep them in well-fenced lots or pastures so you know when some are missing, whether they were stolen or strayed. Check numbers of your livestock at regular intervals so you can report thefts as soon as possible after they occur. Time usually is a very important point in solving a theft. If you do find livestock has been stolen, report to your local law officers. They will decide whether they want to call in the KBI.

2. If you must pile grain on the ground at harvest, put it in as safe a place as possible. Put all grain in bins where possible, and bins should not be located in isolated spots if any better place is available. Like cattle, grain bins can be checked regularly.

3. All farm machinery, other than tractors (which have motor numbers) should be marked. Take a die punch and hammer and put identifying marks at several points on the underside of the frame. Then keep a written record of the identifying marks. Once a stolen machine is sold by the thief the only way the rightful owner can recover by identifying it.

Be sure, too, you have the added help of the Kansas Farmer Protective Service. You are eligible for this service if you live on and operate your farm, and if your subscription is paid in advance. The publicity given by Kansas Farmer Protective Service has often helped find the thief, and rewards offered thru the service are a spur to investigation and prosecution.

If you are not familiar with Kansas Farmer Protective Service and need full information, write for details to J. M. Parks, Director, Kansas Farmer Protective Service, Topeka, Kan.

What's the Matter With Our Cream?

(Continued from Page 1)

and it is quite common knowledge that lower-scoring butter consequently must find its way into markets within the state.

Let's take a closer look at our butter economy. More Kansas-produced milk is converted into cream for butter production than is sold as whole milk. Even so, cream sales returned less than three fourths as much in dollars and cents as milk sales.

Kansas must produce more good butter to be on the safe side economically, as well as from a standpoint of health. In an effort to work an improvement in our home butter conditions, men of the dairy division of the State Department of Agriculture conducted grocery shelf tests last summer. They checked quality, weight and cleanliness of butter as offered for sale in several grocery stores over the state. In a few cases there was less than 16 ounces of butter in a pound carton. Some samples contained less than the required 80 per cent of butterfat. The large majority of samples scored 90 or 89, with some better on grocery shelves scoring in the 88 bracket. From the cleanliness standpoint, much of it was only fair in quality.

A recheck in these same stores a month or two later showed a general improvement.

That may indicate that butter manufacturers, as well as producers, can help improve quality of Kansas-made butter sold in Kansas.

But creamery companies are limited in what they can do—unless they all get together and positively refuse to buy cream for buttermaking that is not tops in quality.

Three Quality Factors

Generally speaking, there are 3 factors which determine or influence cream quality—and finally the quality of the butter made from it. They are time, temperature and cleanliness.

Last fall the butter industry in Kansas took steps to improve the time factor—getting cream into market channels before it is old. It is the 4-day plan for cream buying. The "4-day buy" (as industry men know it) changes neither the grade nor the prices on No. 1 and No. 2 cream. But a premium is paid the producer for bringing No. 1 cream to town within 4 days or less from the time it was produced. It is a premium for marketing cream at least twice a week. At the start, the premium was cents a pound in the eastern half of the state, 5 cents in the western half where it is farther to town.

Warren Duff, cream buyer for Beatrice at Eskridge, got a head start on the 4-day buying plan. He started tagging producers' cream cans about 2½ months before the program actually was placed in effect. Then when premium paying started about November 1, his patrons were well aware of the workings of the program. In the first month out of 254 customers, 210 delivered No. 1 cream that came in under the 4-day limit, 44 customers delivered No. 1 cream that didn't get the premium. There was no No. 2 cream.

The response from cream producers in the Eskridge community is not representative of the state. In some cases the response is much slower, as low as 10 per cent of the total coming in under the 4-day limit.

Two Big Buying Days

Perhaps another reason for the outstanding response at Eskridge can be credited to the special event held there each Wednesday by business men. It brings huge crowds to town that day and cream comes to town, too. Then Saturday again is the big day. In fact, Mr. Duff wonders whether cream marketing might not turn out to be a 2-day-a-week proposition in his community with Wednesdays and Saturdays being the days.

In Wamego about 40 per cent of the weekly volume of cream at the Seymour station is received on Saturday. It does work some difficulty on cream station managers to provide adequate help on those days.

In the case of farmers, it causes some difficulty, too. Many farmers still can only one trip to town a week. Mrs. Herman Brockish, Wamego, points out that it does require an extra planned trip each week but believes the premium makes it worthwhile.

C. J. Gresham, Allen, who is about 12 miles from Eskridge, believes it is largely a matter of organizing trips to town a little better.

But temperature control deserves attention, too. Many cream stations are cautious to keep cream cool. The Wamego station is in conjunction with a locker plant. In summer a cold-storage locker is used to keep cream cool—around the 50-degree mark.

Uses Spray Cooler

At Eskridge, Mr. Duff has a 4-nozzle spray system rigged up to keep cream cool. It sprays a fine mist over the cans which keeps the temperature down. And this simple equipment will provide temperature control for 35 or 40 cans of cream at low cost.

There also are temperature steps which farmers are taking to produce quality cream. Tony Kraus, Eskridge, points out he permits cream to cool before mixing it with cream from previous milkings. That is important in quality cream production. Mrs. Brockish called attention to the same practice in her home.

Mr. Duff reports much cold cream is coming into the station since rural electrification came to that area. Apparently farmers are cooling cream in refrigerators. This practice requires care, however. Unless cans are closed tightly when in the refrigerator, there is much danger that cream will pick up food odors.

Cleanliness, altho the most obvious factor, quite possibly is the most troublesome. Hand milking still is common among cream producers because most of them milk only a few cows. And milking stalls among cream producers are far from the sanitary barns used by grade-A milk producers. Farmers can help provide cleaner cream with more precautions in milking as well as providing better milking barns.

A great improvement towards maintaining quality would be effected with complete changes in separator care and usage. Actually a small percentage of cream producers thoroughly wash the separator twice each day—after each time the separator is used. That practice alone would help improve quality.

Another little trick that really works wonders is preheating the separator before using it. That is important even if the separator is kept in a warm room. If the bowl and spouts of a separator are preheated with warm water to about the same temperature as the fresh milk, much less cream will remain in the bowl after separating.

Preheating Saves Cream

To prove what preheating will do, Orlan Bair, procurement manager at Beatrice, in Topeka, conducted an experiment for the benefit of station managers at a company meeting. He used 14 pounds of milk thru an unwarmed separator, then the same amount thru a preheated separator. Loss of cream thru the cool separator was 0.5 of a pound. Thru the preheated separator the loss was only 0.1 of a pound. Even with preheating, permitting that amount of cream to remain in the bowl would go a long way toward contaminating the next batch of cream.

Type of cans and containers used will influence final cream quality. Cooking utensils never should be used for holding cream or for taking it to market. The cream will pick up foreign tastes.

Mr. Duff made canvas cream can covers available to his customers. He offered them for sale at cost. They were procured by the Beatrice company. These covers help keep cream clean when in transit. Often cream cans are placed in a pickup truck for the trip to town. Feed dust and dirt accumulate in truckbeds. Swirled around by air, this dirt settles under the lid of the cream can. When the lid is lifted the foreign matter drops into the cream. Canvas covers prevent collection of dirt under lids.

Until the whole cream-marketing system changes, and that must necessarily be gradual, cream producers right out on the farm can do much to improve Kansas butter. They can do it by following recommended practices in milking, separating, storing and marketing. Since quality butter demands higher prices, farmers in turn could expect a higher price for their quality cream.

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No matter what you need in a disc harrow, there is a Roderick Lean to save you time and money . . . and to do the job better. There is the "Diskwik" Automatic Tandem Tractor Tandem Disc Harrow, acknowledged as today's most outstanding contribution to modern farming—the "Diskmor" wide tractor Single Disc Harrow with one-man detachable gangs—its 15 ft. easily passes through a 12 ft. gate with gangs loaded . . . the "Speedisk"

Automatic Tandem Tractor Disc Harrow . . . and the "NFT" Horse drawn Disc Harrow—the finest of its type money can buy. Common to the Roderick Lean Tractor Disc Harrow are the features described below . . . features that speed up soil preparation . . . save you time, labor and money. They protect your initial investment, too, because these harrows are built to last. Ask your dealer about them.



THIS IS THE FAMOUS "DISKWIK" Automatic Tandem Disc Harrow

Improved Gang Snubber keeps gangs cutting at even depth from end to end.

Galesburg or La-Belle electric heat-treated discs.

Single rope control for easily and quickly setting angles of gangs.

Trailer adjusting device (on Diskwik and Speedisk only) angles the rear gangs with a turn of a crank.

Double draft bars hold the rear section in place.

Heavy-duty, one-piece frame, and weight frames of high carbon steel for maximum strength.

Non-clogging scrapers eliminate time wasted in stopping to clean discs.

Heavy-duty, double-thrust bearings are as near dust-proof as engineering skill can make them.

OTHER IMPLEMENTS Built by FARM TOOLS, INC. to Save You Money . . .

- Spring tooth and Spike tooth Harrows
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I want all of the money and time saving facts about Roderick Lean Disc Harrows.

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TIME and LABOR SAVED... COSTS REDUCED

When you own a Fast, Easily Operated, Low Cost

NEW Jayhawk HYDRAULIC LOADER

- Simplified in design to reduce operating and upkeep costs.
- Tested to 2850 pounds to provide an ample margin of safety above capacity load requirements.
- Works in barns, sheds, anywhere a tractor can go.
- Operates with most tractor built-in pumps.

- Fits More than 60 Row Crop and Wide Tread Tractors
- Equipped with famous Jayhawk patented automatic load lever.
- Attaches, detaches in 3 minutes.
- Sweeprake, bulldozer, hay crane and snow scoop attachments.

FREE LITERATURE and price details on request. Write today.

Above... Jayhawk loader as mounted on IHC W9.

Left... Jayhawk Loader for Ford & Ford Ferguson tractors.

HAY PUT UP EASIER • FASTER • CHEAPER

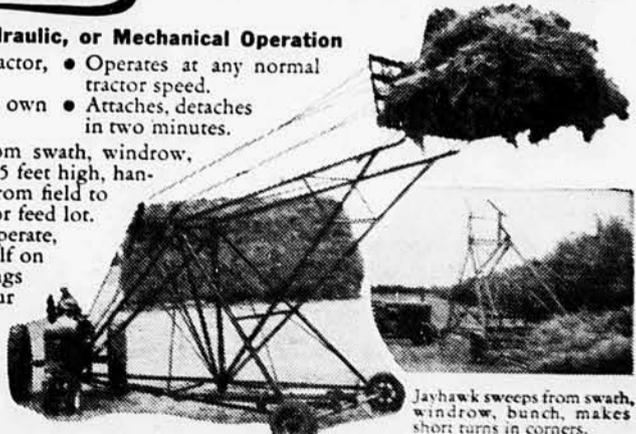
With the Speedy, Quickly Attached, Inexpensive

IMPROVED AUTOMATIC Jayhawk STACKER • WAGON LOADER • SWEEP ALL in One Machine

Your Choice of Hydraulic, or Mechanical Operation

- Works with any tractor, truck or jeep.
- Carries load on its own wheels.
- Operates at any normal tractor speed.
- Attaches, detaches in two minutes.

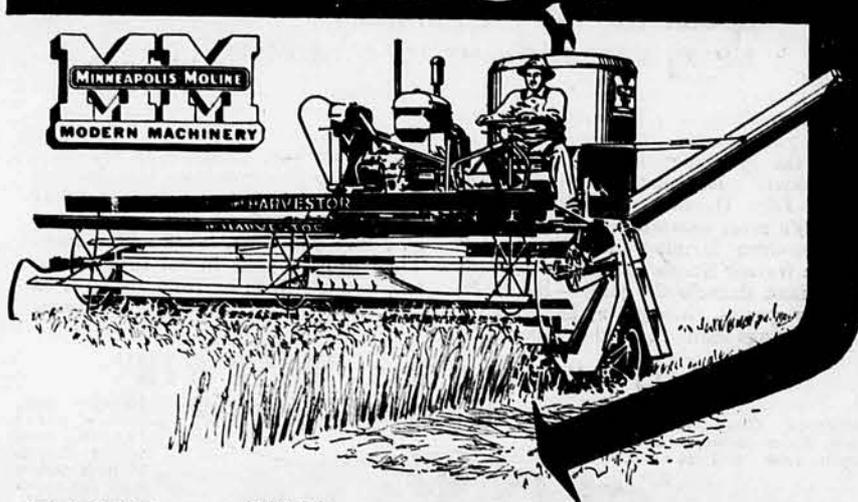
Jayhawk sweeps from swath, windrow, bunch, builds stacks 25 feet high, handles any forage crop from field to stack, barn, hay shed or feed lot. Inexpensive to buy, operate, maintain. Pays for itself on 10-acre field. Big savings when you STACK your hay the Jayhawk way. Write for FREE CIRCULAR, low prices today.



Jayhawk sweeps from swath, windrow, bunch, makes short turns in corners.

THE WYATT MFG. CO., INC. JAYHAWK FARM IMPLEMENTS SINCE 1903 882 5th STREET SALINA, KANSAS

HARVESTING COSTS DROP



MM SELF-PROPELLED HARVESTOR

It's built to get all the crop, on time and at a lower cost. MM Model S Harvestors give you these original features:

- ★ Powerflow hydraulic drive—the smoothest, most exacting of speed controls.
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- ★ 45 bushel grain tank can be unloaded in one minute by high speed auger.
- ★ Header and conveyor designed for fastest operation under all conditions.
- ★ Balanced weight for fast, easy operation and transport.

See your friendly MM dealer or write direct for complete facts on the MM Self-Propelled HARVESTOR, other MM MODERN MACHINES, VISIONLINED TRACTORS and POWER UNITS.

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BETTER-VALUE METALWARE

There's real satisfaction in getting good value. Strong, long-wearing metalware at economy prices has made Martinware a popular favorite in this state.

When you need galvanized metalware for household and farm use, remember Martinware for better value.

GENERAL METALWARE COMPANY
Minneapolis 13, Minnesota • Portland 10, Oregon

HYER BOOTS

First Choice
For 76 Years

Those who demand the best have chosen Hyer for four generations. Hyer boots are made of finest Grade A leathers and guaranteed to give better, more comfortable fit. You can order your favorite heel and toe shape in any Hyer stock design—or have yours custom made to your own design.



Sizes for men and women. See HYER Boots at your dealer or write direct.



C. H. Hyer and Sons, Inc.
OLATHE, KANSAS

Makers of Fine Boots Since 1875

Now That You Have Electricity

CHANGES are being made in amounts of electrical appliances, tools and equipment available for civilian purchase this year. Supplies of copper, aluminum, steel and other materials are being switched onto assembly lines of military production under orders, termed by at least one industrial authority, that are serious, urgent and secret.

"No longer do we do business as usual," was this man's comment. That just about tells the story. It thus seems that flow of freezers, refrigerators, milk coolers, motors, water heaters, and other familiar items is destined to dwindle noticeably. So far, no indication has been given that supplies are being cut off completely, but the trend means an order may take several months to deliver.

It is not meant to start scare buying. It does mean present equipment may have to last longer, that more attention should be given to lubrication and cleaning.

On that subject, supplying appliances with proper operating voltages is a primary way of prolonging life. Faulty wiring, overloading circuits, poor connections contribute to quicker wear. It is a good time to check voltage output at points around the house, barn, shop and milkhouse. A nearby electrical dealer has equipment for this.

Check fuse boxes to see that only recommended amperage is shown on fuses you are using. Fuses are safety valves that carry only so much "pressure." When the pressure in a circuit becomes too great, the wire in the fuse burns thru, thus protecting your buildings from overheated wires that cause some serious fires. A fuse showing more than a 15 amp. rating should not be used in most household circuits. Other circuits use fuses according to size of wire and duties expected of them. A local expert is the safest source of information on your problems.

Electric drills are versatile tools and ways of using them are increasing almost with every day. Latest we have seen that can be added to buffing, grind-

ing, polishing duties is a mounting that permits use of the device as the electric power unit of a combination lawn trimmer, hedge cutter and edger. The mounting permits use of a standard 1/2-inch model. In another instance, a high-powered tire dealer has adapted a drill to remove wheel lugs when changing tires. And this column spoke of welding a 1-inch washer to a length of metal rod for converting a drill into a paint mixer. A recommendation on the latter, however, includes releasing the switch before removing the whirling stirrer from the paint.

A question about use of electric panel heaters for room comfort wonders about advantages of locating them in floors, walls or ceilings. One answer points out that these panels are extremely efficient in ceiling installations, an answer that seems to defy the common conception that heat rises. Nevertheless, this authority says because this method uses radiation every exposed surface in the room thus is warmed, just like the sun.

Remarks in this column recently about an engine heater that had been developed as a means of pre-warming automobile, truck or tractor engines led to several letters asking for more information. We beg to answer them herewith.

These heaters are now stocked by numerous dealers thruout Kansas and provide a means of injecting some warmth thruout the engine cooling system before it is necessary to start it. Installation requires only a knife and a screwdriver. The knife to cut a small hole in the lower radiator hose, the screwdriver to clamp the hose between the terminal guard and base plate of the heater.

Raise the hood of a morning, plug in cord, and start the heating process. Or the connection can be made the night before and a switch thrown for an hour or so of warming in the morning. In sub-zero weather it can be left on all night. It is easy to see how this preheating can reduce engine wear, reduce battery load and speed starting.

I. H. Show New Models



INTERNATIONAL HARVESTER dealers from 21 Northeast Kansas counties saw a preview of International's 1951 line of refrigerators at a dealer meeting in Topeka January 9. Shown here with one of the new models are F. H. Rietman, left, and J. J. Yungmeyer, district and assistant district manager for the company. The seven 1951 models feature full-length doors, maximum storage space, acid-resisting porcelain interiors, oversize bottle space, built-in bottle openers, hermetically-sealed refrigerator units with a 5-year warranty and steel cabinets of one-piece welded construction.

SAVE FARM DOLLARS WITH NEW FORD TRUCKS for '51



Truck-of-all-farm-work is this Ford Series F-5 . . . only Ford gives you a choice of V-8 or Six with Power Pilot Economy.

NEW Ford step-ahead engineering brings you greater economy—better performance!

Rugged, money-saving Ford Trucks have long been the farmer's favorites. And these new Ford Trucks for 1951 will be even greater favorites. Ford's step-ahead engineering offers NEW strength that prolongs truck life . . . NEW massive, modern front end that makes Ford the style leader . . . NEW cab features to improve riding ease . . . NEW all-around values to *save you money!*

NEW Over 180 Models—95-h.p. Pickups to 145-h.p. BIG JOBS!

NEW! Car-like shifting ease with new steering column gear-shift in Series F-1. NEW! 5-STAR and 5-STAR EXTRA Cabs with extra-wide rear windows for 50% more safety vision. NEW! Top engine performance is maintained with new autothermic pistons, new chrome-plated top piston rings and new high-lift camshafts.



NEW 6 1/2-FT. PICKUP
America's No. 1 farm truck, the Ford 6 1/2-ft. Pickup has a new body with hardwood floor, new grain-tight tailgate. Choice of V-8 or Six, both with Power Pilot Economy.

FORD TRUCKING COSTS LESS because

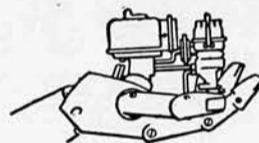


Using latest registration data on 6,592,000 trucks; life insurance experts prove Ford Trucks last longer!

See Your Local Ford Dealer

Conveniently Listed in the Telephone Directory

In the low-price field
**ONLY Ford Trucks give you
POWER PILOT
ECONOMY**



THE Ford Truck POWER PILOT is a simpler, fully-proven way of getting the most power from the least gas. It *automatically* meters and fires the right amount of gas, at precisely the right instant, to match constantly changing speed, load and power requirements.

Unlike conventional systems, the Power Pilot uses only *one* control instead of two, yet is designed to synchronize firing *twice* as accurately. You can use regular gas . . . you get no-knock performance. Only Ford in the low-price field gives you Power Pilot Economy!

5-STAR EXTRA Cab shown available at slight extra cost.



USE RED STAR 3-WAY IMPROVED DRY YEAST FOR BEST RESULTS WITH THIS

Prize Winning Recipe

Winner in the first \$100,000 Grand National Baking Contest, Waldorf-Astoria. Mrs. Hattie Boutilier, Readfield, Maine.

Hattie's Garden Crescents

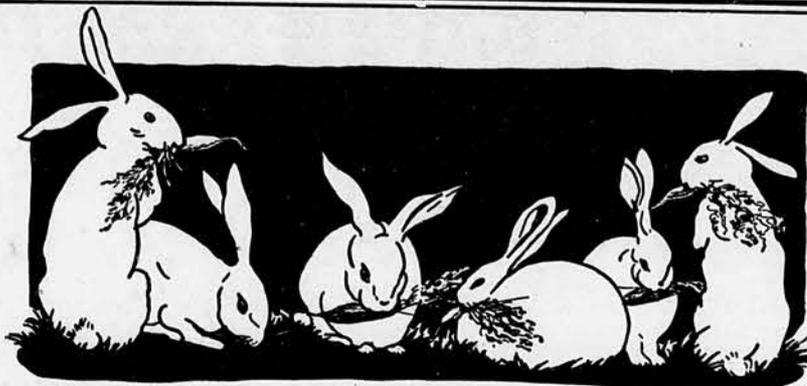
These tangy dinner rolls have a straight-from-the-garden appeal. Here's something different to perk up that luncheon or dinner.

Bake at 400° F. for 12 to 15 minutes • Makes about 16 crescents

Dissolve 1 cake compressed yeast (or 1 package dry granular yeast) in ¼ cup lukewarm water. Combine ¼ cup shortening, 1 tablespoon sugar, 1½ teaspoons salt,* ½ cup boiling water. Stir until dissolved. Cool to lukewarm by adding ½ cup tomato juice. Blend in 1 tablespoon each: grated onion, celery, carrot; ½ teaspoon each: garlic salt, sage. Add dissolved yeast. Measure 3½ cups sifted Pillsbury's Best Enriched Flour*. Add 2 cups of the flour and beat thoroughly. Then add remainder of flour and mix well. Knead dough 5 to 7 minutes on floured board. Let rise in warm place (85° to 90° F.) until

double in bulk, 45 to 60 minutes. Divide dough into two parts. Roll each on lightly floured board to circular shape about ¼ inch thick. Sprinkle with grated Parmesan cheese. Cut each round into 8 wedges. If desired, 1 drop tabasco sauce may be added to each wedge. Roll each wedge, starting with wide end and rolling to point. Place on greased baking sheet, point-side down, and curve ends to form crescent shape. Let rise in warm place until light, about 45 to 60 minutes. Bake in moderately hot oven (400° F.) 12 to 15 minutes.

*If you use Pillsbury's Best Enriched Self-Rising Flour, omit salt.



There once was a naughty young rabbit,
If he saw a nice carrot, he'd grab it;
His friends gathered round
To see what he'd found,
And now they have all the same habit.

—By Margaret Whittemore.

Boy at Play

Brown-eyed boy with superman airs
Flapping his wings and flying from chairs.

Climbing on cabinets the better to soar
Landing with force on the smooth waxed floor.

Holstering guns that are shiny and bright,
Swaggering by alert for a fight.

Tilting a cowboy hat on his head,
Knotting a handkerchief boldly red.

Grabbing some cookies for playtime treat,
Brown-eyed boy, tousled and sweet!

—By Mary Holman Grimes.

Color in Winter

The icy trees hold brilliancy today
For every dormant bud gleams in the sun;
Flashing tints of fuschia, gold and green
From crystal decorations nature-spun.

One tiny favored tree holds even more
For here upon a slender icy shelf,
His feathers fluffed against the wintry air
A redbird proudly sits and preens himself!

—By Mary Holman Grimes.

Chef in Miniature

His rolling pin is ready
For pies I plan to make,
But he must stir the batter
For every special cake.

He adds milk to my pancakes
And crisps the bacon, too;
He even sets the table
And needs from me no cue.

Sometimes he breaks the dishes
And spatters up the sink . . .
A matter of small moment
That teaches him to think.

I hope he will be eager
To do these tasks for me
When he is one-and-twenty
And I am fifty-three.

—By Ethel L. Turley.

Book Review

You'd love the book I read the other day!
The author? Well, I really couldn't say . . .

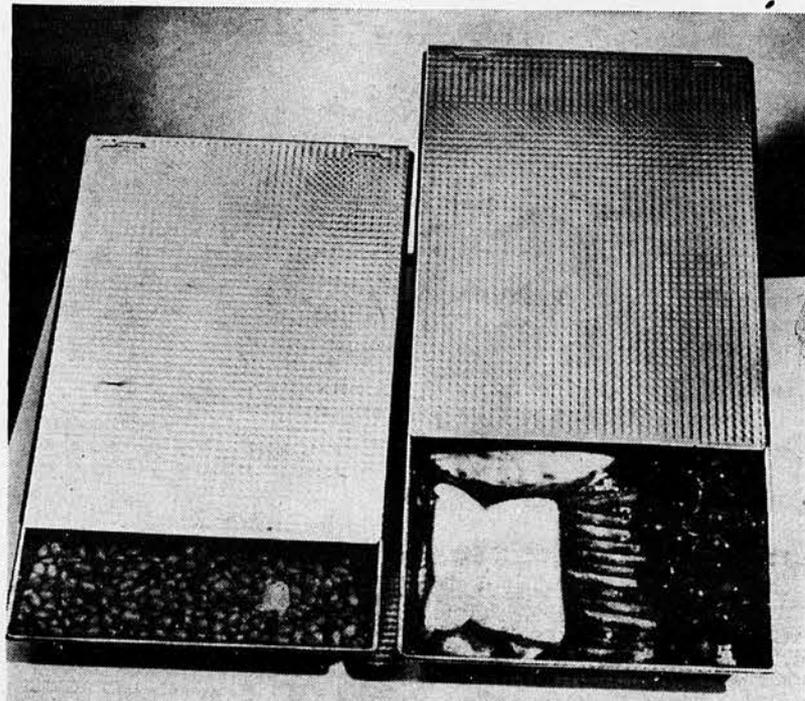
A Mr. Gregory something, I forget
Names so quickly, and even yet
I can't recall the title, but I say
I know you'd love the story anyway!
About? I don't remember, it's not
Anything unusual in its type of plot
It's all about this woman and her lover
Oh yes, it had the gayest bright red cover!

—By M. S. H.

Doing Any Painting?

If you're testing the color of paint,
try it on a white blotter. The blotter
absorbs the moisture, letting you see
in a few minutes how the finished color
will look. After mixing, strain it thru a
nylon stocking to get out scum and
lumps.

Pan to Cook and Carry



FOR CHURCH DINNERS: Designed primarily for church dinners, picnics and barbecues, this pan was designed by Ekco Products Company with a tight-fitting lid which prevents any spilling. The "Cook and Carry" is 13 inches long and 9¼ inches wide. Lid may be used for a cookie sheet.

RED STAR
IS THE FIRST 3-WAY
IMPROVED YEAST



RED STAR
QUICK RISING
DRY YEAST
SPECIAL ACTIVE

QUICKER
DISSOLVING...
QUICKER
RISING...
KEEPS FRESH
LONGER

Now She Shops "Cash And Carry"

Without Painful Backache

As we get older, stress and strain, over-exertion, excessive smoking or exposure to cold sometimes slows down kidney function. This may lead many folks to complain of nagging backache, loss of pep and energy, headaches and dizziness. Getting up nights or frequent passages may result from minor bladder irritations due to cold, dampness or dietary indiscretions. If your discomforts are due to these causes, don't wait, try Doan's Pills, a mild diuretic. Used successfully by millions for over 50 years. While these symptoms may often otherwise occur, it's amazing how many times Doan's give happy relief—help the 15 miles of kidney tubes and filters flush out waste. Get Doan's Pills today!

Giant, Brilliant Red CARDINAL ZINNIAS



Brightest Red of all Zinnias **3¢** Big Packet for **STAMP**

A blaze of reddest red! Immense blooms! Hundreds of flowers! Abundant bloom in spite of hot, dry weather and with hardly any care. Easy to grow anywhere. Limit 1 order per customer. Send 3c stamp today.

FREE Sensational Big Catalog brings you the newer, finer varieties of vegetables, fruit, flowers. Many pictured in full color. 404 Elm St., EARL MAY SEED CO. Shenandoah, Iowa

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Continental offers Kansas farmers and ranchers fast, frequent air service from seven cities throughout Kansas.

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Fly CONTINENTAL AIR LINES
BE THERE... INSTEAD OF EN ROUTE



BRAID THE DOUGH: Regular coffeecake is more fun to make and eat if 3 rolls are braided, then sprinkled with sugar-cinnamon topping.

Try new ways with the old

By Florence McKinney

PARSNIPS are a mighty old-fashioned vegetable, tried and true. In season, folks simply like them. With mince pie, it's the same . . . a standby. But thinking you'd like some variety with the old standbys we offer variations. Coffeecake is old as the hills, but braiding the dough may be new. Hope so. Here's how it's done.

Coffee Braid

- | | |
|--|--------------------------|
| 2 packages yeast,
dry granular or
compressed | 1½ teaspoons salt |
| ½ cup lukewarm
water | 1 cup cold water |
| 1 cup milk | 2 eggs, beaten |
| ½ cup shortening | 7 to 8 cups sifted flour |
| ½ cup sugar | |

TOPPING:

- | |
|---------------------|
| ¼ cup sugar |
| 1 teaspoon cinnamon |

Soften yeast in lukewarm water. Scald milk. Add shortening, sugar and salt. Add cold water. Add 2 cups flour. Mix well. Add eggs and softened yeast. Mix well. Add remaining flour to make a moderately soft dough. Turn out on lightly floured board and knead until smooth and satiny. Place in lightly greased bowl, cover and let rise until doubled in bulk. (About 2 hours). Punch down. Let rise again until doubled in bulk. (About 1 hour.) Punch down and divide into halves. Divide each half into 3 equal portions, rolling each portion to a long roll about 1½ inches in diameter and 15 inches long. Braid the rolls to form braided loaf. Place in greased bread pans. Let rise until doubled in bulk. (About 1 to 1½ hours.) Brush with melted butter. Sprinkle with the cinnamon-

sugar topping. Bake in moderate oven (375° F.) for 30 to 40 minutes. Yields 2 loaves.

Baked Parsnips

- | | |
|------------------------------|-----------------|
| 6 medium parsnips | 3 tablespoons |
| 3 tablespoons brown
sugar | butter |
| | ¾ teaspoon salt |

Wash the parsnips thoroly, then cook in their skins in a small amount of salted water until tender. Drain and peel. Quarter lengthwise and place in a baking dish. Add sugar and butter and bake for 15 minutes in a moderate oven (375° F.) or until slightly brown. Serves 4.

For Life a Prayer

Give me a kettle to be filled,
A fire that needs my tending,
A shelf with store to feed my own
And some left there for lending;
A window where the sun can find
A morning-glory waiting,
A bed with quilts whose pieces bear
A whole lifetime of dating;
Someone who needs me, one who cares,
And one whom I love truly;
And God to start His heaven here
And then extend it duly.

—By Mary Alice Holden.

Chop Suey Dinner

The secret of making good chop suey is in the crispness of the vegetables, the right amount of soy sauce and properly cooked rice. Vegetables must not be overcooked; just barely tender. Add more soy sauce at the table rather than too much while cooking.

- | | |
|-----------------------------------|--|
| 1½ pounds lean pork,
in strips | 6 tablespoons soy
sauce, more or less |
| 3 tablespoons
shortening | 1 can bean sprouts,
drained |
| 1 cup sliced mush-
rooms | 4 tablespoons corn-
starch |
| 1 cup sliced onions | blanched almonds,
toasted with butter |
| 1½ cups sliced celery | 2 cups uncooked rice |
| 1½ cups water | |

Put rice, 2 teaspoons salt and 4 cups cold water in a large saucepan. Cover with a tight lid. Set over hot flame until it boils vigorously. Then reduce heat as low as possible and simmer for about 15 minutes. During this time the rice will absorb the water. Remove lid to permit rice to steam dry. Lift rice with fork to test its consistency. Never stir while cooking. Makes 6 cups.

Cook pork until brown in hot lard, then add mushrooms and brown lightly. Add onions, celery and water. Cover and cook until vegetables are just tender. Add soy sauce and well-drained bean sprouts. Thicken with cornstarch mixed to a paste with a little water. Cook slowly for about 10 minutes. If too dry, add a little water. Serve on hot rice and top with blanched, toasted almonds.

[Continued on Page 22]



"I get the best results with this New Dry Yeast" says Marie Dickman

Colorado's Outstanding 4-H Girl is Cooking Champion

Winner of the Tobin Trophy as Colorado's outstanding 4-H girl, Marie Dickman is also an outstanding cook. In fact, she was an all-around winner in food competitions at the Colorado State Fair. Young as she is, Marie knows a good many secrets of more experienced cooks. "I prefer the Fleischmann's New Improved Active Dry Yeast," she says. "It's so easy to use and dissolves so fast. It gives me grand results every time!"

When you bake at home use yeast. The delicious goodness and wholesome nourishment of yeast-raised treats make them a top family favorite. And when you use yeast — use the best — Fleischmann's New Improved Active Dry Yeast. It's easier to use, faster working. Just add to warm water and stir well. Dissolves in jig time! Get it when you bake at home — treat your family to delicious, nutritious yeast-raised goodies.

For the New Season



9357
SIZES
1-5 yrs.

9329
SIZES
12-20
30-42

9024
SIZES
10-16

9357—Complete outfit for small fry. Sun-suit is one piece, open flat. Sizes 1 to 5 years. Size 2 cape, 1 1/4 yards of 39-inch material. Dress, 1 1/2 yards, sunsuit 3/8 yard 35-inch.

9329—Smart classic with slit sleeves and inside pockets. Sizes 12 to 20 and 30 to 42. Size 16 uses 4 1/2 yards of 35-inch material.

9024—Designed for the teen-ager with slant closing and deep-banded skirt. Sizes 10 to 16. Size 12 takes 3 3/4 yards and 1 1/2 yards contrasting 35-inch material.

T9096—Casual dress with slenderizing details. Sizes 34 to 50. Size 36 takes 4 1/4 yards of 39-inch material.

T4990
SIZES
34-48

T9268
SIZES
12-20

T9096
SIZES
34-50

T4990—Three-piece outfit for your spring wardrobe. Sizes 34 to 48. Size 36 suit takes 4 yards; blouse and trim 1 1/2 yards of 39-inch.

T9268—Wear with belt in back or without. Sizes 12 to 20. Size 16 requires 2 1/2 yards of 54-inch material.

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NOW—let your idle funds be earning a LIBERAL dividend. We've been paying at least 8% on savings for 20 years.

Current Rate **SECURITY - AVAILABILITY**

United Offers You —

UNITED BUILDING AND LOAN ASSOCIATION

MAX A. NOBLE, President
Write Dept. 14 for Information
217 S. WILLIAM - WICHITA 2, KANS.



It's New! Mail Box Step Saver Signal

- Tells When Mailman Comes
- Visible at extreme distances
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\$1.00 Postpaid or C.O.D. and Charges Money Back If Not Satisfied in 15 Days

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Never Treat a Cold with Harsh Laxatives!

When you have a cold, relieve constipation this gentle, effective, all-vegetable way!

Keep bowels open, when you have a cold. But avoid harsh-drug laxatives! They cause cramps and griping, often disrupt normal digestive action.

For sure and gentle relief, take Dr. Caldwell's Senna Laxative. It's all-vegetable. No synthetic drugs. Won't upset even a child.

Dr. Caldwell's contains an extract of Senna, oldest and one of the finest natural laxatives known to medicine. It's mild, relieves you thoroughly yet comfortably. Helps restore regularity without repeated dosing.

You'll like Dr. Caldwell's Senna Laxative. It has a good-tasting minty flavor, and gives wonderful relief. Even relieves stomach sourness that constipation often brings. Get it now. 25¢, 60¢, \$1.20 sizes.

DR. CALDWELL'S SENNA LAXATIVE



Easy-Sew Shortie Coat

Pattern Numbers	Size	Name
		Route
		Town
		State

Pattern numbers starting with T are 30 cents each, others 25 cents. Fill out coupon above, enclose money or stamps and send to Fashion Editor, Kansas Farmer, Topeka.

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HARDY PLANTS—You can enjoy them for years to come. Massive heads of colorful, fragrant bloom, densely packed with large florets. These husky, sturdy plants bloomed last year in our nursery and are sure to bloom this year.

Limit 1 order per customer.

FREE Scores of beautiful flowers, trees, shrubs, vegetables pictured in full color in our BIG CATALOG. Sent free.

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America's Great Name In Family Formulas



HADACOL

Is Preferred By Insistent Men, Women and Children Whose Nagging Aches and Pains Were Due To Deficiencies of Vitamins B₁, B₂, Niacin and Iron.

Their continued and insistent preference for this fine family formula is reflected in letters like those shown here . . . voluntarily sent in by folks who have benefited substantially from the use of HADACOL.

SENATOR DUDLEY J. LeBLANC

Whose Tireless Efforts For Relief Of Suffering Have Brought Humanity Today's Great HADACOL

This great product, that brought so much happiness and contentment to thousands, is a fitting tribute to, and high point in, Senator Dudley J. LeBlanc's ever-continuing fight for the cause of the oppressed, the underprivileged, and needy in every walk of life.

The Father of Old Age Pensions in Louisiana, Senator Dudley J. LeBlanc was the first candidate for governor to advocate a specific plan for the aged. To his critics, his opposition, in the long, lone fight, he has continually stated, "If you do not believe in Old Age Pension, remember the mandate of the Lord himself—Honor thy Father and thy Mother that thy days may be long upon the land which the Lord thy God giveth thee."

And the Senator has championed the cause of the veterans. In him they have found a true friend. He introduced and successfully passed the law that created the State Service Commissioner whose duty it is to see that every service man receives his just compensation from both State and Federal governments. His activities in public life in behalf of the working man are too numerous to mention here.

And now, through endless effort and study, he has developed today's great HADACOL, one more addition to his long record of service to humanity. It was logical that with service to mankind uppermost in his mind that the Senator would seek and find this wonderful HADACOL formula.

If your sickness or ailment—nagging aches and pains, stomach disturbances (gas, heartburn, "sour risings") after meals, insomnia (when due to an upset stomach), certain nervous disorders and run-down conditions—is caused by deficiencies of Vitamins B₁, B₂, Niacin and Iron, then it is to your advantage to take a course of HADACOL. You see, this great, modern formula doesn't give just symptomatic relief. It goes much farther. It gets right to the basis of your troubles and relieves the real cause of your complaints, by overcoming such deficiencies. And, if you take this fine family formula regularly, it helps prevent your deficiency-caused ailments from recurring.

**—YOU'LL FEEL GREAT—
or your money back***

*Let HADACOL help you get more out of life. Ask your Druggist for a bottle of HADACOL today. Trial size, only \$1.25. Large family or hospital size, \$3.50. And, note this guarantee—You'll feel great with the first few bottles you take or your money back.

Thousands of Letters Pour In From All Over America Telling About Splendid Results Secured From Continuing Use of HADACOL!

Tess Kinman, advertising clerk of 1202 Main Street, Cincinnati, Ohio: "I had a nervous stomach. Fried foods, radishes, and other gas-forming foods didn't agree with me. I had no appetite. Indigestion was a chronic worry and bother. Now I have a wonderful appetite. And I eat anything I want to with no fear of indigestion or gas. I owe it all to HADACOL."



W. E. Hoxworth, a skilled maintenance man in Waco, Texas: "I almost had to give up my job because of suffering stomach distress. I couldn't hold my food, as no food agreed with me. After completing a second bottle of HADACOL, I began to feel better and I suffered no more indigestion. I now take HADACOL regularly to help stay well."



Pretty Mrs. Alma Kincaid, 2125 East Adelaide Street, St. Louis, Missouri: "I want you to know how much better I feel since I've taken HADACOL. I've had stomach distress for quite a while. But nothing did me any good. They just said I had a nervous stomach. This is my second bottle of HADACOL and I really feel fine. I'm not nervous; I never feel tired. I can eat anything I want to."



Mrs. Hilton Shuff, Rt. 1, Box 42, Ville Platte, La.: "At night I couldn't rest and no matter what I ate, it didn't agree with me. Then my sister told me about HADACOL. I took her advice. I felt better after the third bottle. So far I've taken 15 bottles of HADACOL. I eat anything I want to. I sleep well every night, and my housework doesn't tire me at all."



Mr. James Keelan, Jr., 5565 Labadie Avenue, St. Louis, Missouri: "Recently I'd been troubled with heartburn and indigestion. Since taking HADACOL, I no longer suffer heartburn and now I can eat anything with out ever suffering after-meal distress. I've recommended it to a number of my fellow-workers."



Mrs. Zina Lee Bowman, Route 6, Clees Ferry Road, Nashville, Tenn.: "I was so weak I could hardly do my housework. I am 30 years old. I am the mother of 9 children. I was so nervous I hardly wanted the children to speak. I had to rest after I got breakfast and before I cleaned my house. I have taken almost 4 bottles of HADACOL, and I feel fine. The children can make all the noise they wish, and it doesn't bother me. In fact, I join them in their ball games and other games. We are a happy family, thanks to HADACOL."



Bennie Hollingsworth, Box 8, Simms, Louisiana: "I am 10 years old. I have been sick for a good while. I was nervous. I could not sleep at night. I did not want to study my school lessons. Then, some of my friends told me about HADACOL. Now I have taken only three bottles of HADACOL. I can say that HADACOL has helped me a lot. Now, I can sleep. I am not so nervous. I do not hate to get my school lessons. I want to thank my friends for telling me about HADACOL."



Mrs. Verna Riley, 514 Missouri Avenue, Jeffersonville, Indiana: "I had been sick off and on for a long time. I am now 51 years old. After I heard about HADACOL, I have taken two bottles. I don't have that fullness in my stomach and I can eat anything I wish. I sleep much better at night now. Myself, I wouldn't do without HADACOL. My family also takes HADACOL."



Mr. Grady Thomas, Route 2, Somerville, Alabama: "My age is 59. I was sick for a long time. Could not sleep at night. After taking three bottles of HADACOL, I felt much better and now I can sleep all night. My wife says she believes I could sleep a week. I can do a full day's work on my farm. Before taking HADACOL, I couldn't work more than an hour or two at a time. I am very thankful for learning about this product."



Mrs. C. H. Strack, 605 1/2 West Second Avenue, Pine Bluff, Arkansas: "Before using HADACOL, I was run down, nervous, and had upset stomach. My friends could not understand the way I was acting. After I took HADACOL, I felt better than I have ever felt. I am not at all nervous and my friends have remarked at the change in me. I am forever grateful for what HADACOL has done for me. I wish to let the whole world know how much I praise HADACOL."



**Refuse Substitutes—
There is only one HADACOL**

HADACOL

RECOMMENDED BY MANY DOCTORS

SEND THIS COUPON!

LeBlanc Corp., Dept. KF-1, Lafayette, La.
Inclosed is my check or money order for \$..... for which please send me by parcel post..... bottles of HADACOL. If I am not delighted with the results from HADACOL, my money is to be cheerfully refunded.

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TOWN.....
STATE.....

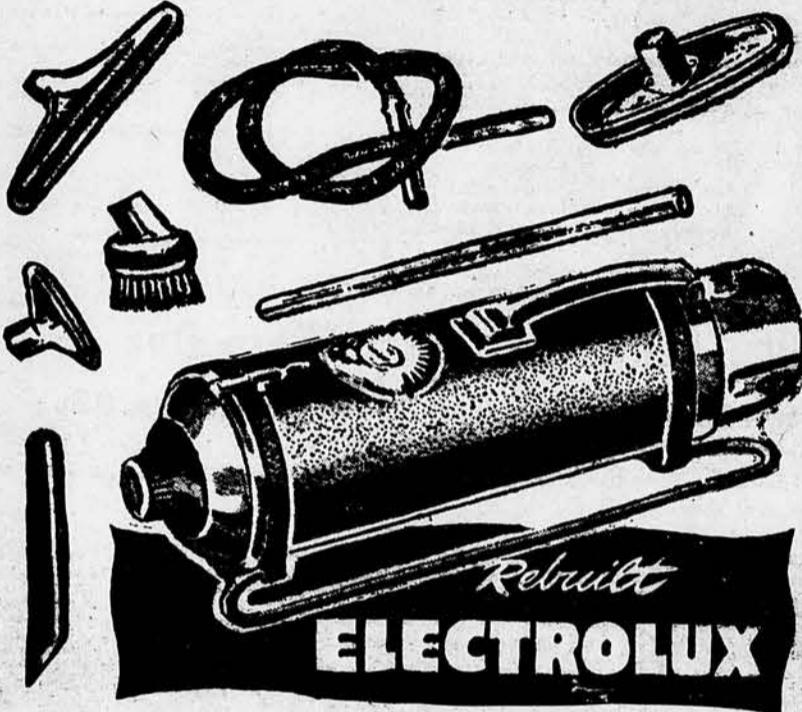


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Out of Town Orders Receive Prompt Attention
Mail Coupon Below for Free Home Demonstration Anywhere in
Kansas, Oklahoma, or Missouri

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Dodge City, Ks. | 806 S. Santa Fe
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Topeka, Ks. | 1709 East Lincoln
Wichita, Ks. | 1220 Spruce
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Dear Sir:
I am interested in a FREE Home Demonstration of a Rebuilt Electrolux Cleaner, complete with Attachments.

Name.....
Address.....
City..... State.....
(If R. F. D. Please Give Directions) KF 1-20

Crippled Children

of all creeds and races receive treatment through the Capper Foundation. Your contribution will be appreciated if sent to The Capper Foundation for Crippled Children, Topeka, Kansas.

Amazing Offer **50** 12 to 18 inch TREES \$ **1.00** POST-PAID

CHINESE ELM

Fine, healthy, vigorous young trees—hardy outdoor nursery grown. Great favorite for wind-breaks because it's America's fastest growing tree. A windbreak keeps out freezing winds, saves fuel, promotes growth and health of livestock. Limit 1 order per customer. Send your order today.

FREE Big Colorful Catalog featuring 14 hybrid vegetables, shrubs, plants. 406 Elm St., ARL MAY SEED CO. Shenandoah, Iowa

Reliable Advertisers Only are accepted in Kansas Farmer

Save \$2.00 On This Home Mixed Cough Syrup

Easily Mixed. Needs No Cooking.

Cough medicines usually contain a large quantity of plain syrup—a good ingredient, but one which you can easily make at home. Mix 2 cups of granulated sugar with 1 cup of water. No cooking! Or you can use corn syrup or liquid honey, instead of sugar syrup. Then get from your druggist 2½ ounces of Pinex, pour it into a pint bottle, and fill up with your syrup. This gives you a full pint of wonderful medicine for coughs due to colds. It makes a real saving because it gives you about four times as much for your money. Never spoils, and children love it. This is actually a surprisingly effective, quick-acting cough medicine. Swiftly, you feel it taking hold. It loosens phlegm, soothes irritated membranes, makes breathing easy. Pinex is a special compound of proven ingredients, in concentrated form, a most reliable, soothing agent for throat and bronchial irritations. Money refunded if it doesn't please you in every way.
FOR EXTRA CONVENIENCE GET NEW READY-MIXED, READY-TO-USE PINEX!

New With Old

(Continued from Page 19)

Remember soy sauce is salty. You will not need to add salt. Serves 6.

This recipe for chop suey is really party fare and we suggest serving it with a tossed green vegetable salad, thick hot slices of hard-crust bread, spread with garlic butter and a steaming pot of coffee. Dessert if you choose and if you do, try fruit only, either fresh or canned.

Orange Cream Custard

- | | |
|----------------------------|--------------------------------|
| ½ cup sugar (beet or cane) | 1 teaspoon grated orange peel |
| 1 tablespoon flour | 4 tablespoons orange marmalade |
| ¼ teaspoon salt | 2 eggs |
| 1 cup orange juice | |
| 1 cup top milk | |

Mix sugar with flour and salt. Add to orange juice. Separate eggs and beat egg yolks. Add beaten yolks to mixture. Stir in milk. Cook in top of double boiler until custard coats the spoon. Add grated orange peel, cool quickly and pour into serving dishes. Beat egg whites until stiff and stir in marmalade. Top the custards with the mixture. Serve cold.

Souffle

A souffle is grand style for those eggs you'll want to serve during the Lenten season and all the year thru.

- | | |
|----------------------|-----------------------------|
| 3 tablespoons butter | 1 teaspoon salt pepper |
| ¼ cup flour | 4 slightly beaten egg yolks |
| 1 cup milk | 4 beaten egg whites |

Make a white sauce of fat, flour and milk. Add salt and pepper. Gradually stir in egg yolks; fold in beaten egg whites. Pour into a casserole buttered only on the bottom. Place in pan of water with water coming to the top of the souffle. Bake in moderate oven (325° F.) until firm to the touch or until an inserted knife will come out clean.

For a cheese souffle, add 1 cup of cheese. One cup of ground ham or other leftover meat may be used. For Lenten days, use flaked salmon, tuna fish or other cooked fish.

For Hostess or Leaders

The Family Album—5c. Especially good where the whole community is invited.

15 Games for Indoors—Outdoors—3c.

A United Nations Party—3c. For clubs or community gatherings.

Pioneer Party—3c. For any size group.

These are suggested leaflets for the entertainment chairman of club or community gatherings. Please order from Entertainment Editor, Kansas Farmer, Topeka, Kan.

Use Low Temperature For Lard

Home-rendered lard will be of better quality if you use a low temperature for rendering. It gives a greater yield and prevents scorching and sticking.

Render lard as promptly as possible after the carcass has been well chilled, preferably within 24 hours. Be sure all the lean is trimmed off the fat. Then dice the fat or grind it if you prefer.

For rendering use a heavy iron kettle, free from rust. Add just a small amount of fat to the kettle and when it is melted, add the rest of the diced or ground fat.

Cook slowly until the fat begins to melt and can be stirred freely in the kettle. Slow cooking causes the water in the tissues to evaporate and helps prevent water-scouring during storage. When the cracklings begin to sink to the bottom of the kettle, stir frequently to prevent scorching.

Let the fat cool and settle after it is completely rendered. Add a pound or two of hydrogenated vegetable shortening from the grocery to prevent rancidity. Pour into 5 or 10-pound metal pails or cans, straining thru 2 or 3 layers of cheesecloth.

If possible, store the lard immediately at temperature near or below freezing. Once it is solid, store in a cool, dry and dark place.

Notes from Nancy Haven's BEET SUGAR KITCHEN



Heavenly Hot Fudge Sauce

It's really a dream on your favorite ice cream

- ½ cup butter or margarine (¼ lb.)
- 4 1-oz. cakes unsweetened chocolate
- 3 cups Beet Sugar
- ½ teaspoon salt
- 1½ cups evaporated milk (1 tall can)

Melt butter or margarine in top of double boiler over hot water. Drop in chocolate cakes and allow to melt. Add Beet Sugar gradually, about 4 tablespoons at a time; be sure the sugar is completely moistened after each addition (mixture will become very thick and quite dry). Sprinkle in salt. Slowly stir in evaporated milk, a little at a time (this will prevent spattering and make for easier mixing). Serve hot. Makes about 2 cups.

Keep it Handy Hot Fudge Sauce can be made ahead, stored in the refrigerator in a covered container to use as needed. Before serving, reheat in a double boiler. If a thinner sauce is desired, slowly stir in 1 or 2 tbsps. evaporated milk.

NEW FASHIONS IN FUDGE SAUCE

ANGEL FOOD SANDWICH. Place a slice of brick ice cream between thin wedges of Angel Food cake. Spoon on Hot Fudge Sauce and toasted nut meats.

TOASTED CAKE SUNDAE. Toast slices of loaf or pound cake (to prevent soaking). Top with ice cream and Hot Fudge Sauce.

SUNDAE BESTS. Vary the ice cream flavors. Hot Fudge Sauce compliments peppermint, coffee or caramel ice cream.



DID YOU KNOW?

Sugar, often called "crystallized water and sunshine," is a chemical compound whose secret is known to Nature alone—for no chemist has ever been able to develop it synthetically. The sugar beet, one of Nature's most prolific "sugar factories"—America's dependable home source of sugar—gives us the purest, finest, whitest, sweetest sugar there is.

Nancy Haven

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Friends buy smart Birthday, Get-Well, Secret Pal, Eastern Star, Scripture Text and Relative assortments fast. \$1 Assortments pay you up to 50c PROFIT. New Party Plan. Samples on Approval.

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Enjoy your own Concord Grapes

Five Sturdy Plants only 50c POST-PAID. The all time favorite. Luscious fruit with wonderful flavor for jelly, juice, or eating fresh from the vine. Five sturdy, sure-to-grow plants with years of abundant yields. Limit 1 order per customer. Order today.

FREE Big Colorful Catalog featuring 14 hybrid vegetables... scores of great values... flowers, trees, bushes, plants.
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With the **DANSCO ROTARY HOE**

Break that crust and give new life to choked plants and retain more ground moisture. The Dansco Rotary Hoe is time tested and proven in all Midwest wheat producing areas. Available with Cast Wheel or All-Steel.



CAST WHEEL



STEEL WHEEL

See your **DANSCO Dealer** today or write for full information.

DANSCO Farm Equipment Company
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Own a **KANSAS-MISSOURI SILO and GRAIN BIN**

They lead the field in every essential feature. There is a reason. Our New Method of manufacturing builds Greater Strength—Beauty—Durability.

Grain Bins that are Waterproof—Fireproof—Vermiproof. Investigate our payment plan before you buy—monthly, quarterly or semi-annually. **LIBERAL DISCOUNT** for early orders. ASK any K-M owner.

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Amazing NEW Sunflower ROTO-SAW

LOW PRICED! QUICKLY ATTACHED TO FORD or FERGUSON

Saws Down Trees at Ground
Clears Land Quick and Easy
Saws Up Logs and Branches

A sensational new and better power saw at a low price! Many superior features. Outstanding for fast, safe, dependable sawing. Adjustable to many angles. Quickly attached to Ford or Ferguson Tractors.

A Great Work and Time Saver!
Falls trees fast! Zips up logs and branches. Sturdily built for lifetime of dependable service. Soon pays for itself. **ALSO** learn about amazing weed and brush cutter and low-priced post hole digger.

SEND FOR FREE FOLDER!—Find out how easy and cheap it is to own a Sunflower ROTO-SAW. Send postcard now for FREE Folder and amazing LOW PRICE. Send now!

SUNFLOWER INDUSTRIES, INC. (S-2)
517 South Kansas Ave. Olathe, Kansas

Lombardy 6 for \$1.00 POSTPAID Poplars

A Sensational Buy! Outstanding value in one of America's most beautiful ornamental trees. Stately pyramidal growth, densely branched right to ground. Wonderful for border planting—screening purposes. Limit 1 order per customer. Order today.

FREE Scores of beautiful flowers, trees, shrubs, vegetables pictured in full color in our **BIG CATALOG**. Sent free.

EARL MAY SEED CO. 403 Elm St., Shenandoah, Iowa

GROW BIGGER CROPS WITH THIS FERTILIZER SPREADER

8 ft. 1200 lb.

Tractor-sent flow control. Chopper type agitator. Waterproof steel hopper. Spreads evenly in rows or broadcast with no waste.

WIN-POWER
NEWTON, IOWA

WRITE FOR FREE FOLDER TODAY

Contest Continues Cash and Books to Be Awarded

TO ALL 7th and 8th graders! If you live on a farm you are eligible for our story-writing contest on the subject, "Why I Like to Live on a Farm." The top 3 winners will be presented prizes, both in cash for themselves, and in books for their school libraries.

Kansas Farmer editors are interested in more and better books for all Kansans, young and old. Here is one way for a few to get a good start on a fine school library.

Mrs. Ruth Gagliardo of the Kansas State Teachers Association is now preparing a list of books from which the winners may choose. Mrs. Gagliardo is well known among school people in Kansas as director of the Traveling Book Exhibit and editor of the Children's Book Shelf in the Kansas Teacher magazine.

The rules of the contest are as follows:

1. Subject shall be, "Why I Like to Live on a Farm."
2. Story must not be longer than 500

words. The family farm must be 3 acres or more.

3. Story must be written plainly or typewritten.

4. The paper must be 8 1/2 by 11 inches and written on one side only.

5. The story must be original.

6. If more than one 7th or 8th grader in a school enters the contest, the teacher will choose the best and mail it to "Story Contest Editor," Kansas Farmer, Capper Publications, Topeka. Only one entry may be mailed from each school.

7. To be eligible for grading by the editorial staff, stories must reach the editorial office not later than March 31.

Awards are as follows:

First prize: A personal cash award of \$25 to the boy or girl winner, plus \$100 in books for the school library.

Second prize: A personal cash award of \$15 to the boy or girl winner, plus \$75 in books for the school library.

Third prize: A personal cash award of \$10 to the boy or girl winner, plus \$50 in books for the school library.

Books On Review

The Yankee Exodus

This book proves that a large part of the United States owes its character to migrations of New Englanders westward since the latter part of the 18th century. Never before has their story been told so well as in "The Yankee Exodus, An Account of Migration from New England." Yankees are responsible for many of the things we use, the way we use them, the way we think and go about our daily lives.

The energetic Yankees were the kind of people who could form a Vegetarian Emigrating Society and head for Kansas; could dream up Mormonism and move on to Utah with stops in between, to start the development of Christian Science. They invented the normal school, the dollar watch, the steam caliope, tin calf-weaners and patent water-witches.

More than 2,000 Yankees are described or mentioned by name in this history of their migrations. They developed a hatred of slavery and left in droves to keep Kansas a free state.

This book may even help in tracing your family tree . . . it bulges with names of people you may know about. Towns, counties, many things geographical were named for those migrating Yankees, says the author, Stewart Holbrook.

I suggest you see your public library or your bookstore. Or you may write to the MacMillan Publishing Company, 60 Fifth Avenue, New York City. Cost \$5.

Growing Roses

Since most authorities agree that fine roses should be planted in the fall, we recommend a new book on their culture which gives detailed instructions on every point.

"Growing Roses" by Frank R. Norris, is a small paper-bound book for the beginner. It includes several full-page colored photographs of roses and drawings explaining their culture.

It covers everything from soil treatment, spraying to pruning. It lists the most suitable types to grow in this area.

This book is published by the Borden Publishing Company, Los Angeles, California. Cost \$1.25.

The Pennsylvania Dutch

Who hasn't wanted to know more about those colorful folk, the Pennsylvania Dutch; their art, their food, their customs and their achievements in America?

They have preserved their culture, something no other non-English group has accomplished. Here is a warm, personal book of intimate facts that we feel you will like. The author, Frederic Klees, is a Pennsylvania Dutchman himself, and now teaches English at Swarthmore College. He writes about his people with enthusiasm and affection. He's eloquent about their food and includes many of their recipes. He includes a chapter about their charming

native art, the barn signs, pottery, their architecture.

"The Pennsylvania Dutch" will make a fine addition to any home or public library. It is published by MacMillan Publishing Company, New York City. Price \$5.

For Winter Parties

Fun-Making Games for Every Kind of Party, price 3c.

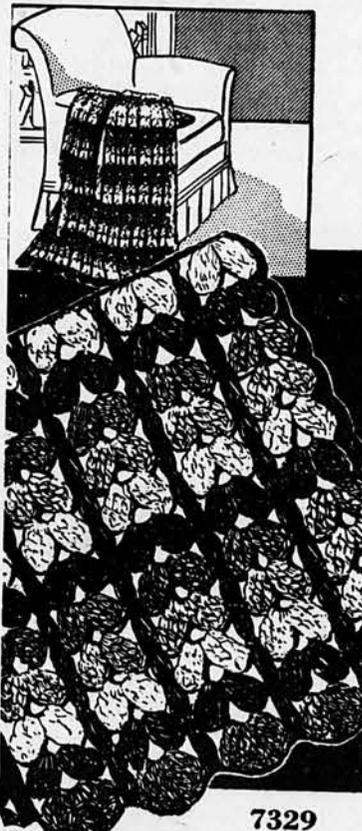
Know Your United States, price 5c. Entertaining and instructive quiz for party.

Fun-to-Make Favors, price 5c. For all seasons of the year.

A Kid School Party for Grown-ups, price 3c. Sometimes it's fun to live our young days over.

For any one or several of these leaflets, please address Entertainment Editor, Kansas Farmer, Topeka. Your order will be given prompt attention.

In Quick Crochet



7329

A quickly-made afghan done mainly in shell stitch with a large hook. Thrifty to crochet of scraps of gay knitting worsted.

Send 20 cents for pattern to Needlework Editor, Kansas Farmer, Topeka.

TOPS TODAY on FARMERS' BUYING LIST



THE POPULAR **Forney** ALL PURPOSE FARM WELDER

NOW, more than ever, the Welder is receiving priority attention among farmers and here's why:

1. Most farms are wholly mechanized and repairs are becoming a major item.
2. Much time and labor are saved by repairing machinery right at home.
3. Hundreds of dollars are saved each year by making your own repairs and building your own equipment.

AND FARMERS ARE CHOOSING THE FORNEY BECAUSE:

1. It is easier to weld with a FORNEY Welder.
2. It includes brazing and Soldering tools.
3. It also has plug-ins for trouble light, electric drills, etc.
4. It is unconditionally guaranteed.
5. It comes completely equipped. Just plug in.
6. It is manufactured by the world's oldest and largest builder of Farm Welders.
7. Each purchaser receives FREE personal instruction.
8. Each purchaser receives FREE help and advice on welding upon request.
9. Each purchaser receives FREE plans for building their own farm machinery.
10. Each purchaser gets immediate delivery.

HALF THE FARM WELDERS SOLD ARE FORNEYS.

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Box 149 Pratt, Kansas

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PORTABLE IRRIGATION PIPE

for SPRING DELIVERY

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

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INTERLOCK WHITE TOP SILO

★ ONLY \$35.00 DOWN PAYMENT

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CLIP AND MAIL COUPON TODAY!

I would like information on the following:

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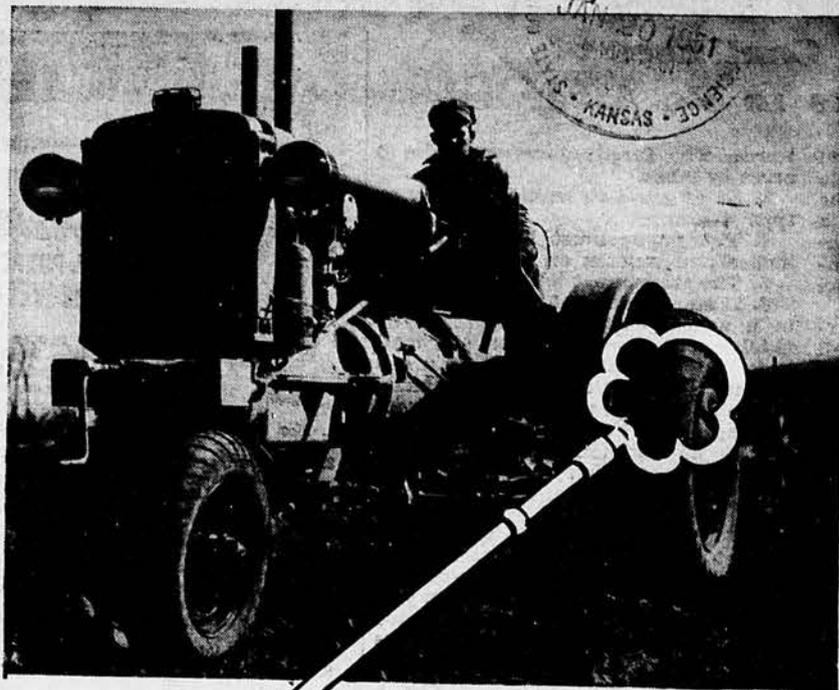
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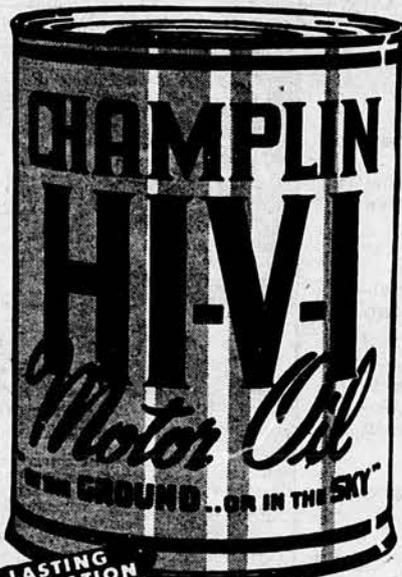
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720 North Santa Fe • Wichita, Kansas



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- CONSTANT CLEANSING
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HI-V-I motor oil gives the kind of lubrication needed to keep trucks, tractors and other machinery operating at a profit! HI-V-I has the stability to meet today's high-speed operating temperatures and speeds . . . it has the detergent action that keeps rings, pistons, valves, oil lines and filters cleaner. Engine repair bills drop to a new low and machinery stays on the go, from dawn to dusk, with the complete, protective lubrication of Champlin HI-V-I motor oil!

For 34 years, farmers and ranchers have relied on the dependable lubrication of HI-V-I motor oil for economical operation of machinery.

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KOROK SILO

"Seldom any upkeep cost" . . . that's what a generation of farmers says about the Korok silo. It's because the Korok is made of long-life materials like vitrified shale tile . . . copper bearing steel . . . asphalt mastic . . . vermiculite . . . California Redwood. Powerfully built, it will handle even hay silage with ease. Low cost per decade—excellent feed insurance. Sold with 10-year warranty. A Korok Silo is a monument to the industry and thrift of the progressive farmer.

- Acid Resistant
- Frost Resistant
- Vermin Proof
- Very Nearly Fire Proof

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INDEPENDENT SILO COMPANY
 777 Vandella St., St. Paul 4, Minn.

Please send the complete KOROK SILO booklet.

Name _____
 Address _____

What Board of Agriculture Did at Topeka Meeting

A DICKINSON county farmer, M. E. Rohrer, Abilene, was named president of the Kansas State Board of Agriculture at its annual meeting in Topeka, January 10 to 12. He succeeds Elmer McNabb, Pleasanton. Walter A. Hunt, Arkansas City, was elected vice-president, and William Condell, El Dorado, treasurer. Roy Freeland, secretary, is serving a 2-year term and was not up for re-election.

Re-elected directors are Harold Staadt, Ottawa; Walter Hunt, Arkansas City, and H. H. Smith, Smith Center. Donald Christy, Scott City, was named to succeed B. H. Hewitt, of Coldwater.

Resolutions passed at the convention included some of the following items:

Re-establishment of peaceful and free relations with all nations; favored price supports for agricultural products at parity; favored balanced national budget and price and wage controls, if necessary; approved state's long-range highway program.

Asked for complete soil conservation and water use treatment of some watershed in Kansas to demonstrate its effectiveness; asked that any flood control, irrigation or reclamation project not under bona fide construction within 5 years following date of authorization by Congress, be automatically dropped from approved list.

Favored stricter liability act for car drivers; asked state grade labeling law to prevent false labeling of farm products sold in Kansas.

Asked legislature to give careful study and consideration to Kansas Wheat bill, as proposed by the Kansas Wheat Growers Association; recommended manufacturers standardize 2,4-D formulations; urged serious attention be given to problem of extending services of Divisions of Weights and Measures.

Recommended legislation to prohibit use of chemicals as bread softeners and use of shortening modifiers in bread, which reduce food value and constitute a fraud upon the public.

Recommended constitutional amendment to encourage taxpayers of farm property to improve rather than destroy and remove existing farm buildings.

Should Help Selves

Kansas farmers should do more to solve their own problems instead of expecting the government to solve them, said Herb Clutter, president, National Wheat Growers Association. Mr. Clutter urged that farmers support the Kansas Wheat Growers Association bill in this legislature asking for a one-half mill fee on each bushel of wheat. This money, said Clutter, would be used to promote research on production, marketing, and new uses for wheat. The money would be spent under supervision of nonpartisan Wheat Commission, with wheat growers association acting as a watchdog on expenditures.

Standish Hall, director, Kansas Civil Defense, told delegates farmers might have to combat crop and livestock diseases promoted by enemies of the U. S.

Kirk M. Sandals, chief, Regional Water Conservation Division, U. S. Soil Conservation Service, talked on watershed treatment by soil management and water control, stressing the small, community-type watershed as basis for such treatment.

Dr. Rufus F. Cox, head, Department of Animal Husbandry, Kansas State College, told farmers not to buy or feed antibiotics to livestock until further research work is completed. "It is always dangerous to use products still in the experimental stage," he said.

L. L. Compton, secretary, Kansas Crop Improvement Association, warned farmers a surplus of southern alfalfa seed will probably flood Kansas this year. "It will be cheap in price but expensive to plant because it will not survive our winters," said Mr. Compton.

J. Fred True, state sealer, Division of Weights and Measures, Board of Agriculture, reviewed work of his division and urged extension of service to include small scales and meters used in measuring propane and butane gases and meters measuring other fuels from tank trucks to farm storage facilities.

At annual banquet special honors were paid to George Knapp, retiring state water resources engineer. Also to the international champion collegiate poultry- and livestock judging teams from Kansas State College, the 7 na-

tional 4-H champions of Kansas, and the state FFA public-speaking champion, as already reported to you in *Kansas Farmer* in the January 6, 1951, issue.

Dairy Association Re-elects Officers

P. D. Turner, Sabetha, was re-elected president of the Kansas State Dairy Association at the annual meeting in Topeka, January 10. Other officers re-elected include: Nick Fennema, Winfield, vice-president, and H. E. Dodge, Topeka, secretary-treasurer.

Among subjects discussed at the meeting were dairy farm inspections, milk ordinances, report of the Association's 1950 activities, consumer butter grades for Kansas, 1951 programs of the American Dairy Association, the 4-day cream delivery program in Kansas, and June Dairy Month program.

L. E. Call, agriculture dean and director emeritus at Kansas State College, talked on agriculture in the Philippines. He spent considerable time there recently on a special government mission. Prof. W. H. Martin, professor of dairy manufacturing at Kansas State College and secretary of the Kansas Butter Institute, discussed the 4-day cream delivery program recently inaugurated in Kansas (See cover story). He said after 3 months of experience with the program, it is going over very well. "Creameries say butter is scoring better. Best proof of success of program is improved quality of cream, which means better quality for consumer and more money for the producer."

Kansas Fair Officials Elect New Officers

John H. Morse, Mound City, was elected president of Kansas Fairs Association at 28th annual convention in Topeka, January 8 to 10 inclusive. More than 200 persons attended. Other officers elected are Virgil Miller, Hutchinson, vice-president, and Everett E. Erhart, Stafford, re-elected secretary-treasurer.

New directors (by districts) include: 1st, John Keas, Effingham; 2nd, George Dietrich, Richmond; 3rd, Dr. V. L. Partridge, Coffeyville; 4th, Fred Arnold, Cottonwood Falls; 5th, Virgil Miller, Hutchinson, and 6th, Harold Shull, St. Francis.

Speeches during the 3-day meeting were given on publicity for fairs, need for quality exhibits, fair management, tractor derbies, co-operation with organizations and officials, and Kansas fair laws. It was reported at the meeting there has been a general increase over the state in the number of livestock entries, especially in the "open class" division of fairs.

Killed Small Brush

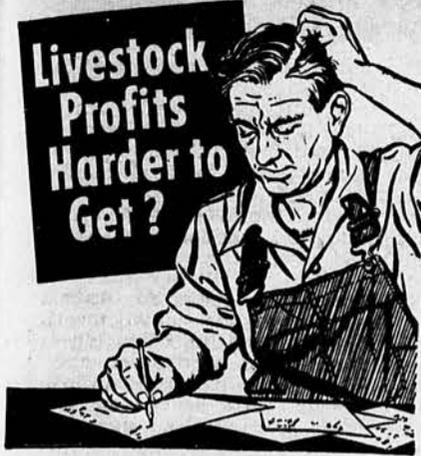
Aerial application of 2,4-D on brushy pasture land on the Martin K. Eby ranch, Greenwood county, gave fairly satisfactory results, according to Cleo Book, manager. The chemical was applied at the rate of 1/2-pound an acre on small brush and twice that amount on large trees.

It didn't get the large trees, Mr. Book says, but it did kill sumac and put a dent in buckbrush and other woody plants. Spraying was done on 380 to 400 acres too rough for ordinary ground equipment.



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Marketing Viewpoint

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

What's in the picture for cattle prices? If controls are put on meat prices won't that put a squeeze on the cattle feeder?—C. W.

Cattle prices have been rising rather steadily since early last October and are near the all-time peak levels reached in 1948. In absence of price controls cattle prices probably would advance moderately above present levels during 1951. Consumer incomes are expected to rise 8 to 10 per cent and with fewer automobiles, houses and appliances available there probably will be more money to spend on meat.

Cattle numbers are expected to continue increasing. Beef production during 1951 probably will be slightly larger than in 1950. Meat consumption per person in the U. S. may increase about 3 to 4 pounds over the 146 pounds consumed during 1950 but most of increase will be in pork.

Rising food costs are now causing considerable concern since many wage contracts are tied to costs of living. Since meat purchases account for about one fourth of average family's food costs there is increasing evidence some attempt will be made to restrain further rises in meat prices.

If controls were placed on livestock prices and not on feed grains it probably would put squeeze on cattle feeder's profits. Recent comments by officials of the Economic Stabilization Agency indicate subsidies might be used to maintain favorable profits to livestock producers.

What are prospects for wheat prices?—J. S.

It appears likely wheat prices will work to higher levels. Wheat prices will tend to follow inflationary trend of prices in general. Current market values are below probable ceiling prices. According to provisions of 1950 Defense Act, ceiling if applied would be at parity. National average parity price for wheat was \$2.31 a bushel, December 15. This is equivalent to about \$2.58 a bushel at Kansas City. As this is written ordinary No. 1 hard wheat at Kansas City is selling for about \$2.40. Parity prices undoubtedly have risen since December 15, so probable ceiling prices are expected to show advance when calculations of new parity prices are released. Temporary setbacks in wheat prices are probable but the trend is expected to be upward toward values more in line with probable ceilings. Offers of wheat for sale by the Commodity Credit Corporation at prices around \$2.51 basis Kansas City may retard expected advance.

How high can egg and poultry prices go before reaching price ceilings if they are established?—D. S.

Defense Production Act of 1950 provides for establishment of minimum price ceilings on agricultural products at either of two levels, namely: (1) parity price, or (2) the national average price received by producers for the period, May 24-June 24, 1950, whichever is the higher. The Act expires June 30, 1951, unless extended by Congress. As the law applies to poultry products, minimum ceiling price would be parity price. Based upon parity prices and national average prices received by farmers as a percentage of parity prices on November 15, 1950, price of eggs (45.6 cents per dozen) and of chickens (22.6 cents per pound) could rise almost one third and price of turkeys (32.6 cents per pound) could go up almost one sixth before reaching minimum ceiling price.

What seems to be the reason for advancing butter prices?—M. M.

Butter prices have been rising chiefly as result of sale of government-owned butter and lack of storage reserves by the trade. It is estimated unofficially 10 to 12 million pounds of butter will remain in government inventory after all commitments are met. This is also the seasonally low time of year for butter production. Also, consumer incomes are rising which in face of reduced supply has resulted in recent price increases. This trend should lend considerable strength to sour-cream prices over state during next few weeks.

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NEW! NU-LINE LEGHORNS
Fertile layers. Hybrid vigor. 300-egg bloodlines. Shown in Free Book.

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Low Priced, High Quality AAA and AAAA Chicks. Fast broilers. Profitable layers. 100% pullorum tested. New Hampshire Reds, White Rocks, Barred Rocks, Wyandottes. Production Reds, Austra-Whites, Hamp-Whites, Leghorns. \$9.95 per 100. Heavy cockerels \$7.95. Pullets \$14.95. Hybrid cockerels. \$3.95. Mixed cockerels \$1.95. Leftovers \$2.95. 100% alive. Free catalog. Pleasant View Hatchery, Gerald, Mo.

White, Barred Rocks, Hampshires, Reds, Wyandottes. \$8.95; pullets, \$12.95; cockerels, \$10.95; Big White, Brown Leghorns. \$8.95; pullets, \$14.95; Austra-Whites, Black, Buff Minorcas, \$8.95; pullets, \$15.95. Heavies, \$7.95. Mixed, \$6.95. Leftovers, \$5.95. Fryers, \$4.95. Barnyard Special, \$3.95. FOB, 100% alive. Free catalog. Bush Hatchery, Clinton, Mo.

Bargains—20 breeds. Hampshires, Reds, Wyandottes, Barred, White Rocks, \$8.90; Pullets, \$12.90; Cockerels, \$8.40. Austra-Whites, Large White, Brown Leghorns, Hamp-Whites, \$8.90. Pullets, \$15.90. Heavies, \$6.95. Assorted, \$5.95. Eating special, \$2.95. FOB 100% alive. Replacement guaranteed. Quality Hatchery, Clinton, Mo.

White, Barred Rocks, Hampshires, Wyandottes. \$8.90; Cockerels \$11.45; Pullets \$12.95. Fancy White, Brown Leghorns, \$8.95; Pullets, \$14.90. Minorcas, Austra-Whites, \$9.90; Pullets, \$14.95. Heavies, \$6.95. Mixed, \$5.95; Assorted, \$4.95. Odds \$3.95. FOB, 100% alive. Helpful folder. Clinton Chick Store, Clinton, Mo.

Large White, Brown Leghorns, Minorcas, Austra-Whites, Rocks, Hampshires. \$8.95; Pullets \$13.95. Heavies \$6.95. Mixed \$5.95. Table Special \$4.95. Dukes Mixture \$2.95. 100% alive FOB. Thompson Chicks, Springfield, Mo.

Special "AAA" Heavies assorted, \$5.95. Mixed heavies and lights, \$4.95. Leftover, \$2.95. FOB, 100% live delivery. Thousands weekly. Also, leading breeds; sexed chicks. Free folder. ABC Hatchery, Garden City, Mo.

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Chicks on a 30 days' trial guarantee. All varieties Missouri approved. E. W. D. bloodtested. Easy buying plan. Low prices. Chick manual free. Missouri State Hatchery, Box 171, Butler, Mo.

DeForest Blue-blood Chicks Production or Broiler breeds. Hatching year around. Brood-bred Bronze and Beltsville White Poults in season. DeForest Hatcheries, Box E, Peabody, Kan.

Baby Chicks—Sturdy quality. 25 purebreds, 6 cross-breeds, bloodtested, weighed, inspected, low prices. Rush postal; colored book free. Albert Frehse, Route 12, Salina, Kan.

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

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Roosting-age Austra-White pullets, \$34.90 per 100. Mature quickly. Out of danger. Berry's use America's highest pedigreed strains Leghorns-Australorps creating original Austra-Whites. National Laying Contest summary shows Austra-Whites produced more eggs per hen than Incrossbreds or Purebreds. Let Berry's prove to your entire satisfaction that Berry's Austra-Whites can lay more eggs, grow faster, are more rugged. Write today for free illustrated poultry book and low prices. Tells how to make more profit with Berry's roosting-age started pullets. Berry's Chicks, Box 628, Newton, Kansas.

National Laying Contests Reveal Austra-Whites laid more eggs per hen than Incrossbreds and Purebreds. America's highest pedigreed breeders of Leghorns and Australorps used for Berry's original strain Austra-Whites. Let trial order prove they can lay more eggs, grow faster, rugged as a mule. Write for Berry's illustrated catalog. Tells how to make more poultry profits with Berry's superior breeding. Be sure to ask about special half-price testing offer. Berry's Chicks, Box 621, Newton, Kan.

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Black English Shepherd Pups shipped COD on approval. Breeder 30 years. Special price for this month. H. W. Chestnut, Chanute, Kan.

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Eight-exposure Roll printed one of each 25c; two each 35c; one each Jumbo 35c. Star Photo, Denver, Colo.

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See our local agent. Farmers Alliance Insurance Co., Alliance Mutual Casualty Co., McPherson, Kansas

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Renew old walls. Stops acid action. Write for information. DODSON MFG. CO., Inc. 1463 Barwise Wichita, Kansas

CONCRETE STAVE SILOS K-M SILO COMPANY

Manufactured from Water-Proofed Cement. A size to fit your needs. 1929 Kansas Ave. Topeka, Kansas

SILO SEAL Protect your silo walls

Write today for free literature. McPherson Concrete Products Co. 904-1126 West Euclid McPherson, Kansas

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New and Used Tractor Parts—Write for big, free 1951 catalog; tremendous savings. Satisfaction guaranteed. Central Tractor Parts Company, Des Moines 3, Ia.

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Latest Methods treating Piles, Fistula, Colon-Stomach disorders. Write for free book. McCreary Clinic and Hospital, E140, Excelsior Springs, Mo.

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At Last! Something new and sensational in Everyday Cards, 21 for \$1. Make extra money fast! Show Satin, Velour, Metallic Cards. Get orders easy. Big line \$1 Assortments, Scented Stationery, Personal Matches, Kiddie Books. Imprints free. Two \$1 boxes on approval. Puro Co., 2801 Locust, Dept. 187-A, St. Louis 3, Mo.

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Make 50% Selling Seeds. Order twenty 5c packets today. Pay when sold. Daniel Seed Farm, Grantsburg, Wis.

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Outdoor Toilets, Cesspools, Septic Tanks cleaned, deodorized with amazing new product. Just mix dry powder with water; pour into toilet. Safe, no poisons. Save digging, pumping costs. Postcard brings free details. Burson Laboratories, Dept. E-14, Chicago 22, Ill.

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

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West Chicago Pays More: Get highest cash prices for your goose and duck feathers. Send sample for prices of used feathers. Free shipping tags. Prompt payment. Company highly rated. West Chicago Feather Company, Dept. C. G., 172 N. Aberdeen St., Chicago 7, Ill.

HOBBIES—HOMECRAFT

Save on Leather Items. Make easy-to-assemble belts, purses, gloves, woolskin toys, etc., as gifts or to sell. Send 10c for big catalog, 100 money-making ideas. Largest Leathercraft stock in U. S. J. C. Larson Co., 820 S. Tripp, Dept. 791, Chicago 24.

More Dates Set For District Schools

More dates have been announced for 1951 District Sheep and Swine Production Schools in Kansas counties, states C. G. Elling, Kansas State College extension animal husbandryman. Other stories have appeared in the December 16 and January 6 Kansas Farmer. This year's program emphasizes good livestock production practices and saving grain by handling, storing and feeding without waste.

These topics are listed for discussion: Marketing and uses of wool, raising hogs, sheep in a balanced farm program, future of sheep business, sheep dividends, state sheep production program, Kansas lambs on the market, county sheep program, and sheep for Kansas.

Dates and places for the period January 23 thru February 5 include: January 23, Great Bend, Barton, Rush, Pawnee, Stafford and Rice counties; January 24, Greensburg, Kiowa, Edwards, Ford, Clark, Comanche, Pratt and Barber counties; January 25, Wellington, Sumner, Sedgwick, Harvey, Reno, Kingman and Harper counties; January 26, El Dorado, Butler, Cowley, Chautauqua, Elk and Greenwood counties; February 5, Hill City, Graham, Phillips, Norton, Gove, Trego and Ellis counties.

Co-operating in the schools are Kansas Extension Service, Kansas City Stock Yards Company, St. Joseph Stock Yards Company, St. Joseph Livestock Exchange, Midwest Wool Marketing Cooperative, Kansas City Livestock Exchange, and American Royal. Dates and places for schools to be held from February 6 thru February 9 will be announced in February 3 Kansas Farmer.

J. W. Zahnley Wins National Award

Prof. J. W. Zahnley, Kansas State College agronomy department, won a top national agricultural award. He is third American in history to win a North Central Weed Control Award. The award was for "notable achievements in practical application of chemical herbicides in weed control."

Professor Zahnley has been a pioneer in weed control studies and field experiments. He is considered the "father" of weed control with modern techniques. First to use sodium chlorate to control bindweed were Professor Zahnley and W. L. Latshaw, formerly of the Kansas State College chemistry department.

He was director of the State Seed Laboratory from its beginning in 1925 until last year. His research activities include studies with sweet clover, soybeans, sesame, lawn and golf grasses, and with rubber-producing plants. Professor Zahnley was first to use sodium chorate in control of Russian knapweed. He and Dr. G. L. McCall of the Du Pont Chemical Company, working at the college, were first to use TCA to control cactus and noxious perennial grasses such as quack grass.

More Hybrid Corn

A record high of 85 1/2 per cent of the Kansas 1950 corn acreage was planted to hybrids. The Kansas State Board of Agriculture and the Bureau of Agricultural Economics report 2,624,000 acres were planted with hybrid seed corn.

Northeast Kansas led the important corn-producing sections with 97 per cent of the acreage planted to hybrids. In East Central Kansas the total was 94 per cent, and in the North Central section it was 84 per cent.

FOR THE TABLE

HONEY 60-lb. Can \$10.50
12-Lb. Can (Postpaid to 600 mi.) . . . \$3.25

1950 crop. Nice, light, mild honey. Satisfaction guaranteed.

HAHN APIARIES, 1715 Lane St., Topeka, Ks.

February 3 Will Be Our Next Issue

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

Friday, January 26

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

RATS AND MICE CONTROLLED SAFELY AND EFFECTIVELY

Rid your premises of rats and mice with new Evans Warfarin Rat and Mouse Killer. Relatively safe to use and very effective. Developed by the University of Wisconsin and recommended by the U.S.D.I., Fish and Wild Life Service, Branch of Predator and Rodent Control. Price for 1 lb., \$1.00 or 12 lb. carton \$8.00, postpaid, with complete instructions for use. EVANS ORCHARD SUPPLY CO., 303 Delaware St., Kansas City, Mo.

PERMCO READY BUILT HOG HOUSES



6A-6 House up to 8 hogs the perfect way. Big enough for you to work in. Saves more pigs, keeps them healthier. Featuring famous Perenco ARCH roofs—unequaled anywhere.

BROODER HOUSE



• Easier to clean, more headroom in working area.
• Side windows proper height give sunlight back into house.
• Available 12 foot widths even lengths to 20 feet.

Garages — Poultry Houses — a complete line.
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The Capper Foundation for Crippled Children
Topeka, Kansas

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Social Security Comes to Farm

FOR the first time in history, America's Federal Social Security Law includes hired farm workers. The revised law was effective January 1, 1951. About 650,000 farm workers are brought under government old-age and survivors insurance. Regular farm workers can get a pension at 65 if they meet requirements; payments will be made to their families when they die.

Farm workers under the revised law include those who perform services of an agricultural nature, or in the employer's private home on a farm which is operated for profit. Excluded from the law are the farm operator (including tenant and sharecropper) and his wife (or husband), parents and children under 21 years old.

For those who have been wondering about details of the new program and how it works, here are some important facts to remember: (For further information, see your local Collector of Internal Revenue.)

Who Is Qualified?

1. An employee is qualified after he has been a full-time employee for at least one calendar quarter. (Any one of the four 3-month periods beginning January 1, April 1, July 1 or October 1.)
2. Types of farm work under the new program include raising and caring for livestock, poultry, bees, etc.; cultivating soil; raising or harvesting any agricultural crop; general farm work such as caring for tools and equipment; clearing brush, or managing farm; preparing, processing and delivering agricultural products to market or storage; clerical or bookkeeping work; household employee; and operating or maintaining ditches, reservoirs, etc., used exclusively for farming purposes.
3. There is no age limit for qualified workers.
4. The employer tax and the employee tax are each 1 1/2 per cent of taxable wages paid (a total of 3 per cent) up to \$3,600 in any calendar year.

Make Written Record

5. An employer should make a written record of each employee's name and social security account number. The employee continues to use the same card he's always had. If he has no card he should get one from the nearest Social Security office. If there is no nearby office, the local postmaster can furnish an application form which is mailed to the office.
6. The employer is responsible for making the tax payment. He fills in Form 941, obtained from the Collector of Internal Revenue. At the end of each quarter this form is sent back to that office, together with the payment. (If you're on the Collector's mailing list, you'll get a Form 941 in the mail at the end of each calendar quarter.) He furnishes each employee with a statement of wages paid and employee tax (if any) deducted during the year. An employer may deduct one half of the tax from wages paid the employee (and no more than one half) but he can pay the entire amount if he wants to.
7. No social security payments can be made until a claim is filed.

Must Exceed \$50

8. The employee must first work continuously for one employer for one quarter to qualify. Altho he gets no credit for this toward his pension he is not taxed. Then in the next quarter his wages are taxed if he earns \$50 or more in cash and works for the same employer for 60 or more days on a full-time basis in agricultural labor. (One who changes employment must work about 2 quarters to get credit for one.)
9. To get his identification number, an employer should get an application Form SS-4 from, and file it with, the collector or the nearest social security office.
10. The law provides a penalty of at least \$5 for late filing unless reasonable cause is shown for delay.
11. Benefits upon retirement at 65 depend on average monthly wages received during the time the worker was "covered." A wife is entitled to a monthly benefit equal to half of that of the insured, if both are 65 years old. A wife under 65 with one or more dependent children also is entitled to benefits at half the rate of the insured.
12. Survivors benefits include a lump-sum payment equal to 3 times the monthly retirement rate.

SALE OF REGISTERED DUROCS

50 BRED GILTS — 8 FALL BOARS
Friday, February 2, 1951 — Topeka, Kansas
Free Fairgrounds—Show at 10:00 A. M.—Sale at 1:00 P. M.
58 Head of Top-Notch Registered Duroc Hogs
Consigned by 25 Leading Duroc Breeders in Kansas to Be Sold at Auction

ALBRECHT, VERN V., Smith Center
BURDICK, LEONARD, Sabetha
CLARKE, ROBERT W., Meriden
DAVIS, WAYNE L., Mahaska
FLETT, BEN A., Delphos
GERMANN, G. F. & SON, Manhattan
HODGES, HOMER, Homewood
HODGINS, WM. E. JR., Belleville
HUSTON, WILLIS, Americus
JOHNSON, SIDNEY C. & SON, Jamestown
KROTZ, DON, Cuba
MEANS, WARREN S., R. 2, McLouth
MILLER, WELDON & SON, Norcatur

PARSONS, E. S., Hiawatha
POPP, HERMAN, Haven
RIFTEL, LEON D., Enterprise
ROEPKE, ARTHUR E., Waterville
SCHNEIDER, L. W. JR., Albert
SCHULTE, RALPH, Little River
SINN, ALBERT E., Riley
SKOCH, PAUL A., Baileyville
WEAVER, O. H., Carbondale
WOODFORD, BOYD, Silver Lake
WREATH, GEORGE C., Belleville
WREATH, L. G. & SON, Manhattan

All animals immuned to cholera. Gilts bred for February and March litters. Boars for service this spring. Sale sponsored by Kan. Duroc Breeders' Assn.
Sale Manager—John O. Miller, 112 W. 7th St., Topeka, Kan.
Auct.: Bert Powell—Ringman: Tom Sullivant, Hiawatha—Mike Wilson for Kansas Farmer

DUROC BRED GILT SALE

at the Oberlin Livestock Exchange
Oberlin, Kansas — Tuesday, February 6
1 P. M.
50 REGISTERED BRED GILTS — 5 FALL BOARS
The Sales Offering—Gilts sired by Fancy Trend by Future Trend, bred by Maahs Brothers; Leaders Pride—the Bossingham boar; Peppards Quality, the great Peppard Boar; Top Fancy, from the good Weldon Miller herd. Blue Boy and Blue Image, boars used in the Weldon Miller herd. Gilts bred to Fancy Trend, by Future Trend; Pioneer Col. Jack, by Pioneer, bred by Martin Katter; Western Leader, by Leaders Pride and Quality Supreme, by Peppards Quality; Sunset Image and Golden Diamond, by Golden Sunset, bred by Juhl Brothers. The type we sell we believe this group of gilts are bred to boars carrying as great an array of breeding as any boars today.
Write for sale catalog to any consignor
C. M. MINES, Cedar Bluffs, Kan. — **BOB BARRETT**, Oberlin, Kan.
K. L. SPENCER & SON, Cedar Bluffs, Kan.
Auctioneer: Bert Powell, Topeka, Kansas



BARWOOD FARM

REG. AYRSHIRE DISPERSAL SALE

Monday, February 5, 1951



Sale at 1 P. M. at the farm, 7 miles southeast of Effingham, 9 1/2 miles west and 3 1/2 miles south of Atchison. The entire herd will be sold including cows in milk, bred cows, bred heifers and open heifers. There will be a number of outstanding heifer calves suitable for 4-H Club projects. This is the oldest herd bloodlines and top individuals. Records DHIA will be furnished on some of the most famous been recently tested for Bang's and Tb. The herd is in perfect health and can go anywhere. There will also be a full line of modern farm machinery including 2 tractors that will sell in the A. M.
For catalogs write
E. R. ZEEK & W. H. NELSON, Owners, Effingham, Kansas
Mike Wilson and John Armstrong, Jr., Auctioneers

REGISTERED AYRSHIRE DISPERSAL

at the farm

Elmo, Kansas

February 8, 1951

35 HEAD OF REGISTERED AYRSHIRES

Including cows in milk, bred heifers, open heifers and bull calves. This herd was established in 1924 and has been under continuous herd test. Many have records up to 439 lbs. fat. This is really a good set of good doing, good producing Ayrshire cattle. Also in the auction will be around 70 head of ewes with lambs at side. Several ewes yet to lamb. 2 purebred bucks. A line of farm machinery and miscellaneous. Machinery will sell in the A. M. commencing at 10:30. The livestock sells at 1:00 P. M.
W. C. AINSWORTH & SON, Owners, Elmo, Kan.
Phone 1008 Acme Mike Wilson, Auctioneer

GOLDBERG'S CHAMPION SPOTTED POLAND CHINA SALE

Shenandoah, Ia., Feb. 6, 1951
1 P. M.
50 outstanding bred gilts, mated to 4 great boars. New Model, reserve junior champion of Missouri State Fair. Peskie, grand champion of Tulsa, Oklahoma Fair. Hi Klax, 1st prize junior boar pig of the World's Largest County Fair, at Spencer, Ia. Attention 4-H and FFA members. I will pay \$10.00 premium for the 1st prize litter and \$5.00 for the 1st prize gilt if the sow is purchased in this sale. Our hogs are consistent winners where ever shown.
Write for free catalog & mention this paper to
LUTHER GOLDBERG, Owner
Essex, Iowa

REG. POLAND CHINA BRED GILT SALE

Feb. 19, 1951
At the Osage City Sale Barn
1:00 o'clock
The offering consists of bred gilts, tried sows and fall gilts. Some of the best blood the breed affords. Many in the offering will be related to State Fair winners.
For catalog and information write
C. R. ROWE & SON
SCRANTON, KANSAS
Mike Wilson, Auctioneer

REG. YORKSHIRE BRED GILT SALE

February 3, 1951
at Osborne, Kan.
Heated Sale Pavilion on US 24 and 281.
SALE AT 1:00 P. M.
40 Bred Gilts — 5 Fall Boars
10 Fall Gilts

This offering is choice. We only sell the tops for breeding stock. All gilts in this offering are from large litters, we averaged saving nine and a half pigs per litter last year. They are mated to choice boars for Feb., Mar. and April litters. We owned and showed the Reserve Jr. Champion Boar at Nebraska State Fair in 1950. Also several other firsts. The Reserve Champion Gilt sells in this sale. If you want the best in Yorks attend this sale. We are sure they will meet with your approval.
For catalogue write
CHAS. BOOZ & SON
Portis, Kan.

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



MORE WINTER EGGS FROM

ON KANSAS FARMS

Hy-Lines Show Good Resistance to Cold Weather Slumps in Egg Production

*Hy-Lines**

Here's what 63 Kansas farmers, who conducted "Divided Flock" tests between Hy-Lines and standard-breds or crossbreds, reported:

IN SIX WINTER MONTHS Hy-Lines laid 22.1% more eggs than other chickens. Their Hy-Lines averaged 104.19 eggs per bird, and their other chickens averaged 85.28 eggs per bird, during an average of about 6 winter months of 1949-1950.

When Temperatures Drop Below Zero

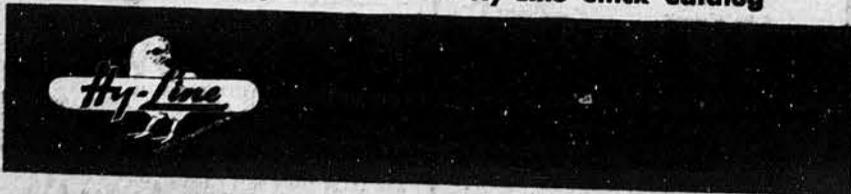
Hy-Lines Keep Shelling Out Eggs

When severe cold snaps hit, and temperatures drop below zero, Hy-Lines generally show a high resistance to slumps in egg production. Hy-Lines tend to lay uniformly as a flock throughout the entire winter. In mild winters, in cold winters, it is common experience for Hy-Lines to continue shelling out eggs, month after month. These statements are based on reports from customers, on "Divided Flock" tests conducted by farmers, and on results of the Hy-Line research testing program.

Order Your Hy-Line Chicks Now

Take advantage of the opportunity Hy-Lines give you to make extra dollars of income. Start a brood of Hy-Line chicks this spring.

Write Today for the New Hy-Line Chick Catalog



\$1.00 Extra Income Per Bird From Hy-Lines

Kansas "Divided Flock" Tests last year showed that Hy-Lines produced an average of 40 eggs MORE than standard-breds and crossbreds on the 51 farms where the 12-month tests were completed.

That's over three dozen extra eggs from each Hy-Line layer housed. Say those eggs are worth 30 to 35 cents a dozen (which is conservative)—and you can see that every Hy-Line earned at least \$1.00 in additional eggs for those Kansas poultry raisers. Hy-Lines are good all-year producers, as well as high-speed winter layers. They generally average between 50% and 80% production each month for 12 to 14 consecutive months. Usually the extra eggs from Hy-Lines pay for their extra cost in the first 4 months . . . and then they go on to earn added income for the remaining 8 to 10 months.

* Be sure to get genuine Hy-Line Chicks from an authorized distributor. The name "HY-LINE" is a registered trademark. It refers only to chicks bred by Pioneer Hi-Bred Corn Company.

What Caused "Boom"

(Continued from Page 6)

price ceilings still are going on. Whether they will be attempted before the general price freeze—expected about March if the machinery to handle can be readied—is one of the open questions in Washington.

The proposition of consumer food subsidies—the Brannan Plan by the back door in the name of the war effort—has not been brought out into the open as yet. But it may be the upshot; once put into effect, it will be very difficult to prevent it from becoming a permanent policy. Food subsidies were running at the rate of \$1,700,000,000 a year at the close of World War II—might be harder to get rid of at the end—if there is an end—of the expected World War III.

Much debate in Congress the next few weeks, perhaps months, will be over what is our foreign policy, and what should it be: (1) Protect Asia and

Europe and Africa against Russian conquest, or (2) protect Europe and the Mid-East including Africa; or (3) protect western Europe; or (4) confine main efforts to building up a defense of the Western Hemisphere and such overseas bases as we consider necessary to our own defense?

There are a lot of ramifications to the problem, to say nothing of considerable puzzlement and muddlement at the present stage of debate. It is not even certain the decision finally will be made by the United States. With the power of Germany and Japan to contain Asia (including Russia) on the west and east respectively, destroyed by us in World War II, it is not certain western Europe will help the United States fight the Communist world in World War III. General Eisenhower is sounding out western Europe on the matter. The entire world is waiting to see what happens.

Farm Bureau Favors Separation

NEARLY 300 Farm Bureau delegates called to Salina for a special convention January 15 approved a proposal by the Kansas Farm Bureau to separate the county Farm Bureaus and Extension work. The vote was 141 for, 132 opposed.

The original proposal had received previous approval from Kansas State College people before it was submitted to the convention of Farm Bureau delegates. It will be introduced for action by the state legislature now in session.

The proposal calls for the formation of a County Agricultural Extension Council. An advisory committee would be made up from 3 representatives named from each township and city not included in a township. This advisory committee would elect an executive board of 9 with a chairman, secretary and treasurer.

The executive board would be the official governing body and transact all business of county Extension work, submit the annual budget to the county commissioners, hire the agents and other Extension business now performed by the county Farm Bureau board.

The plan calls for no association sponsoring Extension, no membership dues, no constitution nor by-laws.

Extension agents would have legal authorization to use any general farm organization, civic organization or other group to reach an audience in the county. Contributions to the county Extension budget would be welcomed from farm organizations, civic organizations and others interested in the Extension programs and those contributions would have to be shown in the annual budget.

Kansas Girl Wins Vegetable Award

Nancy Douglas, farm girl near Mulville, has been named Kansas state champion in the 1950 production-marketing contest of the National Junior Vegetable Growers Association. Announcement was made in New Orleans on December 14 at the conclusion of the organization's 16th annual 4-day convention.

She received a cash prize from the \$6,000 scholarship fund provided each year by A & P Food Stores. Better production and marketing of vegetables by farm youth is encouraged each year. Nancy grew 23 kinds of produce, including grapes, on a garden plot measuring 13,450 square feet. She realized a net profit of \$603, retaining \$55 for her labor and laying out about \$30 in initial costs. One of the rules guiding her marketing was it is better to cancel an order than to fill it with inferior products.

Nancy, a high-school senior, lives on a 3,380-acre farm with her parents, Mr. and Mrs. Weldon J. Douglas.

State USDA Council Elects Officers

Emmet Womer, Manhattan, has been elected chairman of the Kansas USDA Council for 1951. He is chairman of the Kansas State PMA Committee. He succeeds Fred R. Merrifield, Wichita, general agent of the Farm Credit Ad-

ministration. Mr. Merrifield has served as chairman of the council since May 1948. Re-elected vice-chairman is Dean L. C. Williams, director of Kansas State College Extension Service, Manhattan. Russell Reitz, Manhattan, was re-elected secretary. He is an executive officer of the state PMA.

In Contest Finals

A Kansas poultryman is among 40 of the nation's top poultry meat breeders selected to compete in the 1951 National Chicken-of-Tomorrow Contest finals at Fayetteville, Ark., in June. He is Gus Liedtke, of Glasco. Contestants were selected by a national committee on the basis of state and regional contest achievement during the last 2 years and their overall meat improvement programs.

20,000 FARMERS SAY
SAVE BIG MONEY
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OF LP-GAS TRACTOR CARBURETION

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- LESS WEAR
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PLEASE SEND ME DESCRIPTIVE LITERATURE
AND NAME OF NEAREST GARRETSON DEALER.

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HOGS

51ST DUROC BRED GILT SALE

Saturday, Feb. 10, 1951
SMITH CENTER, KAN.



A grand offering of 50 gilts and 20 fall boars and gilts. 4-H, FFA and Vets judging school in forenoon.

Write for information and catalog.
VERN V. ALBRECHT

See our consignments to the KANSAS STATE
DUROC SALE
at Topeka, February 2

Also at the NORTH CENTRAL KANSAS
DUROC SALE
at Belleville, February 20

Our gilts are mostly sired by "The Liner" and bred to "Royal Pioneer" a top son of "Nebraska Pioneer" and out of the grand champion sow at the 1950 Nebraska State Fair. We think this is a good set of gilts of top breeding and carrying the service of one of the good boars in the Middle West. Don't fail to look over our consignments before the sale.



Sidney C. Johnson & Son
JAMESTOWN, KANSAS

DUROC BRED GILT SALE

February 22, 1951

At the farm at
Americus, Kansas

This offering consists of daughters of such great boars as "Eureka," "Golden Monarch" and "Crusaders Leader." Many of the gilts are also carrying the service of these fine boars. Those in need of good gilts to strengthen your herd or to build a top herd of Durocs don't fail to attend this sale. For catalog and information write

WILLIS HUSTON
AMERICUS, KANSAS
Col. Bert Powell, Auctioneer

REGISTERED DUROC BRED GILT SALE

Wednesday, Feb. 7, 1951
Norcat, Kansas

A Fine Offering of
50 Gilts and 10 Fall Boars and Gilts
These gilts are picked from 80 head raised on our farm this year. They are bred for March and April farrow to "Crimson" a son of "Crimson Wonder" and Union Leader a son of Leader's Pride.

Sale will be held at farm on all-weather road. Write for catalog.
WELDON MILLER & SON
NORCAT, KANSAS
Bert Powell, Auctioneer

SUPERIOR DUROCS

Excellent SPRING BOARS sired by Super Spotlight, Perfect Trend, Deets King, Crusader Ace—a boar battery second to none other. These are well-grown, rich red, heavy hammed, deep, thick with smoothness and short, well-set legs. Come or write as we can solve your boar problem to complete satisfaction.

G. M. SHEPHERD, Lyons, Kan.

SUPERIOR DUROC GILTS

Sired by He'll Do's Model and bred to Kansas Harvester, top son of Harvester, Nebraska grand champion boar, 1950, for March and April farrow. Service-age boar. Also fall pigs by Royal Fleetime First. Registered. Immune.

B. M. HOOK & SON, Silver Lake, Kansas

REG. SPOTTED POLAND CHINAS

Choice fall boars and gilts with plenty of length, deep sides and deep full hams, sired by Pawnee King and Blue Ace. Few unrelated pairs. Double immune.

J. V. CUNDIFF, Talmage, Kan. (4 1/2 miles N.)

ETHYLEDALE FARM

Improved for type and bigger litters. Best of breeding. Choice spring boars and spring gilts ready to go.

DALE SCHEEL
Emporia, Kan., Rt. 2

CHESTER WHITE FALL BOARS AND GILTS

Sired by Alfalfa Tip Top the Kansas State senior champion boar in 1950. Smooth, good bone, well grown, immune, priced right.

LLOYD COLE, Auburn, Kansas

More State 4-H Winners Named

Announcement is made of several more state championship awards to Kansas 4-H Club members for 1950. Joe Conley, Shawnee county, is the winner in the Better Farms Methods Electric Activity. A miniature model farm he built and lighted was grand champion 4-H booth at the 1950 Kansas State Fair.

Several state crops champions have been named. They include Maurice Pivonka, Rush county, sorghums; Donald R. Peterson, Morris county, grass seed and legume; and Harold Facklam, Geary county, corn. Each of these boys has learned the importance of adapted varieties, proven methods of tillage, and soil conservation in cultivating superior crops, says J. Harold Johnson, state 4-H Club leader. Each winner will receive gold watches provided by Sears Roebuck Foundation.

Max Hargrove, Atchison county, is state field crops champion. His total income from crops over 4 years has been \$9,796.37. Corn has been his most profitable project and he plants it on the contour.

Dwight Flora, Dickinson county, is state dairy project champion. Starting with a purebred Ayrshire heifer in 1943, Dwight has built his herd up to 9 animals. He has been a consistent winner at county and state dairy shows.

A girl 4-H member has beat the boys for honors as state beef champion. Rowena Seaman, Comanche county, showed the grand champion Hereford calf at the 1950 Kansas State Fair. She was first in showmanship at the Wichita Fat Stock Show this year. Rowena fed 28 head of deferred Hereford steers besides her show calves.

Poultry champion is Donald Sewell, Montgomery county. Don had a laying flock of 50 New Hampshire hens, brooded 200 baby chicks without a single loss, and raised 100 capons.

Arlos Rusk, Sumner county, is state winner in meat animal project work. His ambition has been to develop a top herd of registered Hereford cows and being a community 4-H leader. Arlos now has 19 Hereford females and 3 bull calves, and has served 5 years as a junior leader. He was sweepstakes winner at the 1950 Kansas State Fair, which indicates the wide scope of his exhibits and activities.

Nancy Douglass, Kiowa county, is state garden champion. She has been a county garden winner for 4 years. Also, Nancy has led a garden club for 2 years, has grown many prize-winning vegetables and fruits.

New Sorghums Boost Production

A big factor behind the bumper grain sorghum crop of 1950 in the United States was recently-developed, early-maturing varieties. Dr. John H. Martin, in charge of grain sorghum research for U. S. Department of Agriculture, said these varieties made a heavy contribution to record crop production. The 1950 crop was estimated at 196,344,000 bushels, an all-time record. The crop was 44 million bushels larger than 1949 crop and 87 million bushels larger than average crop of 10-years 1939-48.

Grain sorghum growers in Great Plains States may now choose from more than 20 improved varieties developed during last 10 years. Among many advantages of improved sorghums are these: (1) you have an opportunity now to select varieties that best fit your needs; (2) by planting both early and late-maturing varieties, you have greater assurances of meeting your feed needs despite adverse weather; and (3) labor can be distributed at harvest time, too.

Reference Bulletins

- No. B337—Growing an Orchard in Kansas.
- No. C184—House Plants and Their Care.
- No. C252—The Stock-Share Lease.
- No. B285—Woodlands in Kansas.

If interested in any one or several of these Kansas State College Experiment Station publications, please address a post card to Bulletin Service, Kansas Farmer, Topeka, ordering by number. Your order will have prompt attention.

5th Annual Production Sale of REG. HEREFORD CATTLE 55 HEAD SELLING

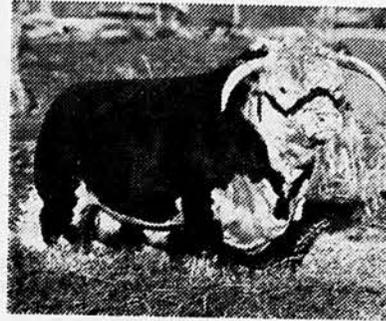
Feb. 6, 1951

1 P. M.

10 miles northeast of

Harper, Kan.

on Highway K2



(Picture of Advance C. Domino 4th by Unaweep Domino 77th, by Colorado Domino E. 1st)

Other herd sires are F. R. C. Bocaldo 49 by F. R. C. Bocaldo by F. R. C. Rupert Tone 8. W. H. Rupert Zesto by Beau Zento 32 by H. T. Tone. F. R. C. Bocaldo 53 by F. R. C. Bocaldo by F. R. C. Rupert Tone 8. The offering includes 15 bulls serviceable age, 21 bred heifers, 14 open heifers, 5 young bred cows.

For catalog or other information contact

OLIVIER BROS., Owners, Harper, Kan.

W. H. Heldenbrand, Auct. Mike Wilson for Kansas Farmer

OXBOW RANCH HERD DISPERSION OF

REGISTERED ABERDEEN-ANGUS

The dispersion of the Oxbow Ranch herd of Prairie City, Oregon, will be held at **SILVER TOP FARMS, BELTON, MO., on FEBRUARY 12 and 13**



EILEENMERE 487TH
His blood predominates in this offering through his son Eileenmere 638th.

For hotel reservations, information and catalog write
J. B. McCORKLE, Sales Manager, Suite 3500 A.L.U. Bldg., Columbus, Ohio
Aucts.: Johnston, James, Sims, Good
Mike Wilson with this publication

350 HEAD SELLING: Includes the herd bulls Eileenmere 638th by Eileenmere 487th, the well known Penney and James bull pictured here. Blackcap Barry of Wilton, a many times grand champion and his dam is the International grand champion cow Blackcap Bessie 23rd of Page. Homeplace Bell Boy 19th, a son of the \$10,000 bull in the Penney & James herd. Eileenmere E. D. 3th, a grandson of Eileenmere 85th. The female offering will include some of the good cows of the breed. Many with calves at side or close to calving. A beautiful group of bred heifers many served to Eileenmere 638th. The open heifer group is most attractive. The complete show herd with this has been a high winning show herd with a nice record at the national show at San Francisco, Calif., last November. The herd has been in continuous operation since 1918. 85 of the foundation cows were purchased from Midwestern breeders. A number bought at the national sales in 1944 and 1945. The most popular families represented. The ages are very desirable. Health—This is a healthy, vaccinated, high producing herd. Many nationally known bulls and their get are offered in this auction. The sale offering can be seen at Silver Top Farm at this time. Sale headquarters, Phillips Hotel, Kansas City, Mo.

BAUER BROTHERS

Purebred Poland China BRED GILT and SOW SALE

Saturday, February 3, 1 P. M.

in heated pavilion at

Fairbury, Nebraska, Fairgrounds

60 HEAD SELLING

5 Tried Sows and 55 Spring Gilts of champion breeding and of same type as Nebraska 1950 State Fair prize-winner shown from this herd. These are bred for March and April litters to The Aristocrat, Jeffersonian and Advancer, a trio of outstanding young herd boars. Also selling are several top Fall Boars and Sow Pigs sired by Cavalier and Cardinal. Entire offering well grown and properly conditioned and is high class seed stock backed by years of good, sound breeding.

For information or illustrated catalog write

BAUER BROTHERS, Gladstone, Nebr.

Carl McIntyre, Auctioneer, Sutherland, Ia.

BUY UNITED STATES SAVINGS BONDS

SELLING...

Northeast Kansas Herefords

Topeka, Kan.

Feb. 3, 1951

Kansas Free Fair Grounds

Show 9 a.m.—Sale 12:30 p.m.



69 HEAD

46 BULLS

Good rugged individuals both range and herd bull prospects.

23 FEMALES

Cows with calves, bred heifers and open heifers.

CONSIGNORS

Head	Head
Becker, E. G., Meriden 2	Kansas State College, Manhattan 1
Beeks Hereford Farm, Baldwin 3	Kovar, Clyde, Rossville 2
Booth, Forrest E., Wellsville 4	Lawrence, J. F., Meriden 6
Campbell, J. C., Rossville 2	McCullough, Fred, Rossville 2
Cleland, F. W., Baldwin 4	Morrison, C. P., Meriden 4
Cooley, A. F., Topeka, RFD 1 5	Premier Farms, Piper 4
Figge, Alice & Carl, N. Topeka, RFD 4	Ridgeway, C. W., Tonganoxie 2
Gideon, L. H., N. Topeka, RFD 6 . . . 2	Sackett Herefords, Tonganoxie . . . 1
Gideon, Garland R., Paxico 3	Sanders, N. S., Miller 3
Hanson, Howard H., Eskridge 1	Sanders, R. R., Miller 4
Hug, Frank & Sons, Scranton 3	Weaver, O. H., Carbondale 2
	Williams, Orion & Son, Hoyt 5

FOR SALE CATALOG WRITE

E. G. BECKER, Secretary, Meriden, Kansas

NORTHEAST KANSAS HEREFORD ASSOCIATION

L. H. Gideon, President

Claude Beeks, Vice-President

Harold Wilson, Clerk

Freddie Chandler, Auctioneer

Mike Wilson for Kansas Farmer

EIGHTH ANNUAL PRODUCTION SALE

Registered

Aberdeen-Angus Breeding Cattle



Beefmaker
Aberdeen-Angus Cattle

Selling 23 BULLS—20 YOUNG FEMALES

Cattle in good breeding condition—not show fitted—ready to work and all their useful life before them.

LUNCH WILL BE SERVED

PLAN TO ATTEND

WRITE FOR CATALOG

Sale will be held

Monday, February 26, 1951

1:00 P. M. at the farm located 2 miles west of city limits on Hwy. 54, 1 mile south, 1/2 mile west

WICHITA, KANSAS

Our Cattle Do Well for Others

Beefmakers Are Profitable

In the Kansas State Breeders sale, Hutchinson, November 10th, 1949, Lot 16 (14 months old), sold to the judge of the show, John J. Tolan, Pleasant Plains, Illinois, at public auction. At the International Live Stock Exposition, Chicago, Illinois, November 23, 1950, she appeared in the Show Herd of the J. Garrett Tolan Farms, Pleasant Plains, Illinois. Listed in the official Catalog as "305—QUEEN W. of K. D. 1138506, sire, BEEFMAKER 81st 869145; dam, WICHITA QUEEN 6th 896821" BEEFMAKER 21st 657287 sired WICHITA QUEEN 6th.

Shown as Senior Yearling (21 shown in the class) she placed 8th. We are proud of breeding a Heifer that did stand eighth in that class and consider it a special honor that John J. Tolan bought the Heifer and personally showed her in the ring.

Maybe you could do well with our Sale Heifers

CONSIGNORS:

C. E. Reed Wichita, Kan. McCurry Brothers Sedgwick, Kan.
W. H. Becker Goddard, Kan. L. R. Goodin & Son Derby, Kan.
Sidney Sanders Harper, Kan. Thaine L. Hunt South Haven, Kan.

C. E. REED, 4114 E. Central Ave., Wichita 6, Kansas

Telephone No. 68313 Residence; No. 53868 Farm

It's Easy to Do a Little "Shopping in the Advertising Columns of Kansas Farmer"

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

Kansas Farmer Recommends Its Advertisers!

**Farm-Home Conference
Soon at Coffeyville**

FOR the fifth year, Kansas State College and Coffeyville Chamber of Commerce are joint sponsors of the Southeast Kansas Farm and Home Conference. The 1951 conference, scheduled January 24 and 25 in Coffeyville Memorial Auditorium, features agricultural, home economics, and rural youth sessions.

Of particular interest to farmers in Southeast Kansas will be reports on research at the new Mound Valley Experiment Station. At the opening agricultural session at 10 o'clock the morning of January 24, F. E. Atkeson, head, dairy husbandry department at K-State, and James E. Knox, dairy technician at Mound Valley station, will discuss dairy research at the new station.

Following day, Floyd Davidson, superintendent of Mound Valley station, gives a progress report on crops and soils research at the station. In each case the research section of the program will be followed by a question and answer panel on pertinent dairy and crops subjects.

Several on Panel

Assisting Atkeson on the dairy panel will be W. Carleton Hall, dairy farmer, Coffeyville; Clark King, field supervisor, Neosho Valley Cooperative Creamery Association, Erie; Maurice Wyckoff, vice-president, Labette county State Bank, Altamont; and Dale Edelblute, Crawford county agent, Girard.

Robert Nuttleman, Montgomery county agent, Independence, heads up the crops and soils panel the morning of January 25. Panel members will be: Davidson, H. H. Laude, agronomy department, Kansas State College; William Guy, Vocational Agriculture instructor, Coffeyville; Gordon Wiltse, farmer, Vilas; and V. E. Payer, Butler county agent, El Dorado.

David L. Mackintosh, animal husbandry department at K-State and one of foremost authorities on meats in this country, will be the big drawing card to the January 24 women's program. Mackintosh will cut up half of a beef carcass, demonstrating choice and variety cuts. He will show new locker wraps and packaging material. Mrs. Paula Glover, Neosho county home agent, presides at this session scheduled for Wednesday morning, January 24 at 10 o'clock.

Dean Williams Talks

Men and women will join in general assembly at 1:30 o'clock that afternoon, and again at 7:30 o'clock that evening. L. C. Williams, dean and director of Kansas State College Extension Service, speaks on "Keeping Kansas Agriculture in Balance" at the afternoon assembly.

A district rural youth officers' school combines with a dinner that evening. Older youth from surrounding counties attend the dinner and training school and then adjourn for a party. Virginia Lee Green, extension recreation specialist, Kansas State College, directs the party fun.

Two special luncheons are being arranged during the Coffeyville conference. Roy Freeland, secretary, Kansas State Board of Agriculture, Topeka, is the principal speaker at the Crop Improvement luncheon, at 12:15 o'clock on Thursday, January 25. The same noon all members of county advisory home economics committee are invited to a luncheon at which Mrs. Verne W. Alden, central states di-

rector, National Home Demonstration Council, will preside.

At the home economics program Thursday morning, January 25, Georgiana Smurthwaite, state home demonstration leader, Kansas State College, will speak on "Some Observations in Europe." Miss Smurthwaite spent several months abroad this summer. Her talk will be followed by presentation of standard of excellence awards to outstanding home demonstration units in 15 southeastern counties. Margaret Kirby Burtis, district home demonstration agent from K-State, will have charge of the recognition ceremony.

Agricultural sessions will be held in the auditorium on the second floor of the auditorium. Women meet in the main auditorium as do the general assemblies. The conference adjourns following a general assembly at 2 o'clock the afternoon of January 25.



IN THE FIELD

MIKE WILSON

Topeka, Kansas
Livestock Editor

TOMSON BROS., Wakarusa, announce the purchase of the entire herd of Shorthorn cattle owned by Lawrence Brumgardt, Gorham. This transaction included 36 cows, 15 heifers, the herd bull, Mercury's Archer, bred by William Thorne, and some bull calves. Mr. Brumgardt recently had used Edelyn Minion Mercury, a son of Calrossie Mercury, and several of the cows are by him. Mercury's Archer was the champion bull of the 1948 Kansas state sale.

I have a letter from **KARL LENHART**, Clay Center, saying he purchased the coming 2-year-old bull Mill Brook Royal Oak (sired by the International reserve champion, Cherry Hill Royal Oak) to head his good herd of Polled Shorthorns.

Mr. Lenhart says he would not have been able to secure this good bull except Gerald Schiermeyer, former owner, has been called to the armed forces. Mr. Lenhart & Sons are building one of the good Polled Shorthorn herds in the Middle West. Their ranch is located in Clay county.

GEORGE L. RIFFEL, owner of Walnut Grove Farm (Polled Herefords), writes this office sales have been very good the past 2 months. The Riffels sold at private sales, thru Kansas Farmer, 6 heifers and 7 bulls. This group of cattle were by the same sire that sired the grand champion bull at the recent Central Kansas Polled Hereford sale at Herington. The Riffels are also retaining 2 sons of this great herd sire to use in their own herd. This is good evidence the bulls being used in the Riffel herd are siring the kind of cattle which are in demand today.

SUMNER COUNTY HEREFORD BREEDERS' ASSOCIATION made their first consignment auction sale at Caldwell. Forty-one head of well conditioned high class breeding cattle were sold. A top of \$650 was reached on bulls from the consignment of John Holland, Freeport. The purchaser was Lee Simpson, Medicine Lodge, R. M. Mattingly, Caldwell, consigned the top-selling female at \$710 on the bid of Rex E. Haggard, Wellington. The bulls averaged \$438. Females made an average of \$377; 41 head of cattle made a general average of \$401. The quality of the cattle was considered very good due to the fact this was the first sale this organization has ever made. Prices received also were very satisfactory. The sale was managed by Ray Rusk, Wellington, and R. M. Mattingly, Caldwell, is secretary. W. H. Heldenbrand sold the offering.

The Milking Shorthorn sale, held at Fredonia, December 15, sponsored by the **SOUTHEAST KANSAS MILKING SHORTHORN ASSOCIATION**, was a decided success. It is hoped this will be an annual event in this section of the state. The 38 lots sold averaged \$313. This was a very satisfactory average since it was the first sale of its kind and quite a few of the animals lacked flesh and weren't in sale condition. The top-selling lot in the sale was Fairground Belle, consigned by Kenneth Wyatt, Garnett, that sold for \$595 to the Ark Val Herd, Belle Plaine. Her baby heifer calf, less than a month old, sold for \$185 to Henry K. Childs, Rose, making the lot bring \$780. Two bred heifers consigned by Russell McDaniel, Walnut, and Arlo Williams, Westphalia, sold for \$465 each. Both were bought by Calvin Niemeir, Ft. Scott. Twenty-nine females averaged \$323.45. Gus Heidebrecht was auctioneer, assisted by Dale Lechlitter and Don Marple. Joe Hunter read pedigrees.

December 20, **WALLACE J. BECKNER** and **LUTHER SHELTER**, prominent Holstein breeders of Belle Plaine and Conway Springs, held a joint sale at the Fairgrounds in Wellington. Prices received for this splendid offering of cattle were very satisfactory. In this sale Luther Shelter dispersed his herd of high-producing grade Holstein cows. T. J. Cantrell, Waldron, purchased the top-selling bull in the sale, which was a very good spring calf at \$260. There were only 3 bulls sold. All of them were under 1 year old; they averaged \$220 per head. The top reached on registered cows was \$700, paid by A. J. Walterscheid, Carlsbad, N. M. This cow was from the Beckner consignment. The registered cows in the sale averaged \$520 per head. The grade cow offering consigned by Mr. Shelter averaged \$350 with a top of \$660. O. L. Martin, Livingston, Tex., was the purchaser of the top grade cow, was also the heaviest buyer. Col. Charles Cole sold the offering. T. Hobart McVay read pedigrees from the box.



"Daddy!"

Dairy CATTLE

BROWN SWISS DISPERSAL
 2 REG. HERDS TO BE DISPERSED
Thursday, Feb. 1
 11:30 A. M. — FFA BARN
Iowa Falls, Ia.
 70 HEAD
 64 Cows and Heifers, 6 Bulls
 8 to 15 months old
 Baby Calves—male and female.
 For catalog write
NORMAN E. MAGNUSSEN
 LAKE MILLS, WISCONSIN

REGISTERED JERSEY DISPERSAL SALE and BRED DUROC GILTS
 One-half mile east of
Severance, Kan.
Tuesday, January 23
 Sale at 1:00 o'clock
 Consisting of 19 Head of Registered Jerseys
 2-year-old Registered Herd Bull
 Cows and heifers with Td. and Bang's tests
 and state accredited herd for 4 years. Also
 4-year butterfat record for each cow. Folders
 of registration furnished sale day. This herd
 of Jerseys was built on the blood of the
 Smith Brothers herd of Highland, Kan. We
 know that herd is recognized as one of the
 greatest in the Middle West.
 18 head of registered or eligible to register
 Duroc Bred Gilts and Sows, 1 Male Hog.
SAMUEL H. PRAWL, Severance, Kan.
 Auctioneers: Bert Powell, Col. Sharp

Registered and Pure Bred WISCONSIN HOLSTEIN CALVES
 For Higher Production Herds
 Exceptional offering of registered and
 pure bred Holstein, Guernsey and Brown Swiss
 heifers and bulls from the finest herds. Tested, vaccinated.
 Well started—no milk required. Fine selection always
 on hand. Approval shipment. Write today.

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

HIGHER VIEW DAIRY FARM HOLSTEINS
 Located 4 miles north of Hays, on highway
 183. Featuring the bloodlines of Clyde Hill
 and the Crescent Beauties. We have 125 head
 in our herd. Serviceable-age bulls for sale at
 all times. We offer a few females occasion-
 ally. Visitors always welcome.
J. D. & E. E. FELLERS, Hays, Kan.

FOR SALE Well marked serviceable age reg-
 istered Holstein bulls out of high
 producing dams and sired by the all-Kansas son
 of the Gold Medal sire Sir Bess Tidy. Priced to
 sell. **A. E. FUNK & SONS, Hillsboro, Kansas.**

NEMAHA VALLEY HOLSTEINS
 Rock-Burke breeding. Herd ave. 531 lbs. fat.
 Records up to 1,000 lbs. 2x 3 yr. Bulls up to
 service age for sale.
Mrs. H. D. Burger & Son, Seneca, Kansas

AYRSHIRES
MOST PROFITABLE COWS
 4% MILK
 Big Milkers Hardy Rustlers
 Good Grazers Perfect Udders
 Write for Booklets and List of
 Breeders near you with Stock for sale
Ayrshire Breeders' Association
 260 Center St., Brimley, Va.

Beef CATTLE
For Sale: Shorthorn Bulls
 Ages 6 months to 12 months old. Good colors.
 Best of breeding.
W. A. YOUNG & SON, Clearwater, Kansas

SHORTHORNS Our herd bull, cherry red,
 sire of champion 4-H steer at Hutchinson. Also a
 few young bulls for sale.
WILL MOLYNEUX, Palmer, Kansas

ABERDEEN-ANGUS
 Reg. bull calves for sale. Sunbeam breeding.
CHESTNUT & RAILSBACK, Quinter, Kan.

POLLED HEREFORDS FOR SALE
 Reg. Bulls, 8 to 14 months old, and a few Cows.
MANUEL RIFFEL & SONS, Hope, Kansas

Dual-Purpose CATTLE
LOCUST DELL FARM OFFERS MILKING SHORTHORN BULLS
 Calves to serviceable age. **W. S. MISCHLER & SON, Bloomington (Osborne Co.), Kansas**

Livestock Advertising Rates
 Effective February 1, 1951
 1/2 Column inch (5 lines) ...\$3.50 per issue
 1 Column inch ...\$9.80 per issue
 The ad costing \$3.50 is the smallest accepted.
 Publication dates are on the first and
 third Saturdays of each month. Copy for
 livestock advertising must be received on
 Friday, eight days before.
MIKE WILSON, Livestock Editor
 912 Kansas Avenue
 Kansas Farmer - - Topeka, Kansas

Public Sales of Livestock

Aberdeen-Angus Cattle
 February 12 and 13—Oxbow Ranch, Prairie City,
 Ore. Sale at Silver Top Farm, Belton, Mo.
 J. B. McCorkle, Sales Manager, Suite 3500
 A.I.U. Building, Columbus 15, O.
 February 26—C. E. Reed, Wichita, Kan.
 February 27—Dodson Brothers, Wichita, Kan.
 Sale at Silver Top Farm, Belton, Mo.
 March 1—OK & T Angus Sale, Buffalo, Okla.
 March 28—US Center Angus Association, Smith
 Center, Kan.
 April 4—Southeast Kansas Angus Association.
 April 12—Mid-Kansas Aberdeen-Angus Breeders'
 Association, Hutchinson, Kan. Phil Sterling,
 Secretary, Canton, Kan.

Ayrshire Cattle
 February 5—E. R. Zeek and W. H. Nelson Dis-
 persal, Effingham, Kan.
 February 8—W. C. Ainsworth, Elmo, Kan.

Hereford Cattle
 February 3—Northeast Kansas Hereford As-
 sociation, Topeka, Kan.
 February 6—Olivier Brothers, Harper, Kan.
 February 9—Dickinson County Hereford As-
 sociation, Abilene, Kan.
 February 15—Range Bull Sale, Dodge City, Kan.
 February 16—HG Hereford Farms, Colby, Kan.
 February 21—Albert Lovitt, Quinter, Kan.
 February 24—CK Ranch, Brookville, Kan.
 March 5—Marshall County Hereford Associa-
 tion, Marysville, Kan.
 March 12—Kansas Polled Herefords, Liberal,
 Kan.
 April 6—Kansas Spring Hereford Sale, Horton,
 Kan.
 April 17—Sutor Hereford Ranch, Zurich, Kan.
 May 21—Vic Roth, Ray, Kan.
 October 22—Beeks & Cleland, Baldwin, Kan.
 November 1—Flint Hills Association, Cottoh-
 wood Falls, Kan.
 November 3—Jesse Riffel & Sons, Enterprise,
 Kan.
 November 10—W. H. Tonn & Son, Haven, Kan.

Holstein Cattle
 March 19—Tulsa Spring Classic Holstein Sale.
 C. O. Abercrombie, Sale Manager, Vinita,
 Okla.

Shorthorn Cattle
 April 3—Nebraska-Kansas Shorthorn Associa-
 tion, Superior, Nebr.
 April 4—North Central Kansas Shorthorn As-
 sociation, Beloit, Kan.

Milking Shorthorn Cattle
 April 3—C. E. Boatright Reduction Sale, Conway
 Springs, Kan. Sale at Wellington, Kan. C. O.
 Heidebrecht, Sale Manager, Inman, Kan.

Duroc Hogs
 January 24—Jayhawk Farm, Little River, Kan.
 Sale at Larned, Kan.
 February 2—Kansas Duroc Breeders Sale, To-
 peka, Kan. John O. Miller, Sale Manager,
 Topeka, Kan.
 February 6—C. M. Mines, Cedar Bluffs, Kan.;
 K. L. Spencer & Son, Cedar Bluffs, Kan.;
 Bob Barrett, Oberlin, Kan. Sale at Oberlin,
 Kan.
 February 7—Weldon Miller, Norcatur, Kan.
 February 10—Vern V. Albrecht, Smith Center,
 Kan.
 February 17—Earl Martin & Son, DeKalb, Mo.,
 and Lester Thompson, King City, Mo. Sale
 at South St. Joseph, Mo.
 February 21—Ed Knell & Son, Carthage, Mo.
 February 22—Willis Huston, Americus, Kan.

Hampshire Hogs
 March 2—R & S Ranch, Halstead, Kan.
 March 3—O'Bryan Ranch, Hiattville, Kan.
 March 9—R. E. Bergsten & Sons, Randolph,
 Kan.

O I C Hogs
 February 14—Zimmerbrook Farm, Inman, Kan.
 Sale at Salina, Kan.
 March 1—Kansas O I C Breeders' Association,
 Fairgrounds, Hutchinson, Kan. Vernon Zimmer-
 man, Secretary, Inman, Kan.

Poland China Hogs
 February 3—Bauer Bros. Bred Sow Sale, Fair-
 grounds, Fairbury, Nebr.
 February 14—Kansas State Poland Sale, Ray
 Saylor, Sale Manager, Manhattan, Kan.
 February 19—Rowe & Williams, Sale at Osage
 City, Kan.

Spotted Poland China Hogs
 February 6—Luther Goldberg, Essex, Ia. Sale
 at Shennandoah, Ia.
 February 8—Ernest Newman, Golden City, Mo.
 February 26—Kansas Spotted Poland China As-
 sociation, Phillipsburg, Kan. H. E. Hoiliday,
 Secretary, Richland, Kan.

Yorkshire Hogs
 February 3—Charles Booze & Sons, Portis, Kan.
 Sale at Osborne, Kan.

Trend of the Markets

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

	Week Ago	Month Ago	Year Ago
Steers, Fed	\$36.00	\$36.00	\$27.50
Hogs	21.10	19.75	16.75
Lambs	33.25	31.00	23.50
Hens, 4 to 10 lbs.	.28	.24	.19
Eggs, Standards	.42	.40	.30
Butterfat, No. 1	.68	.63	.55
Wheat, No. 2, Hard	2.42%	2.40%	2.27
Corn, No. 2, Yellow	1.71	1.63	1.24 1/2
Oats, No. 2, White	1.04	1.02	.81 1/2
Barley, No. 2	1.53	1.45	1.15
Alfalfa, No. 1	36.00	36.00	32.00
Prairie, No. 1	18.50	17.50	14.00

Corn Borer Loss In Midwest on Decrease

Crop losses in the Corn Belt from
 corn borer infestations were compara-
 tively light in 1950. This report was
 made recently in Chicago by Dr. W. G.
 Bradley, entomologist in charge at
 federal European Corn Borer Research
 Laboratory, Ankeny, Iowa. The oc-
 casion for the speech was the 5th
 annual Hybrid Corn Industry Research
 Conference, sponsored each year by the
 Hybrid Corn Division of the American
 Seed Trade Association. Doctor Brad-
 ley said the borer setback was due to
 unfavorable weather for pupation and
 more general knowledge on how to
 fight the insect. Recent indications
 were crop losses in 1950 would be far
 below the 1949 total of 350 million dol-
 lars.



HEAVY ON THE SCALES. 35 lbs. more per Hereford steer is shown by comparing all "top" shipments sold at Chicago in the first 118 market days of 1950. Top price plus more weight equals added return.



LONG ON THE COUNT. Herefords averaged a 97.6% calf crop in Kansas demonstrations. Almost regardless of conditions, a Hereford cow comes up in the fall with a calf at her side.

Why 4 out of 5 Cattlemen Choose HEREFORDS

With producers who know beef cat-
 tle, it's HEREFORDS four to one, be-
 cause of their earlier maturity and
 economical production.



LONG ON THE COUNT. Herefords averaged a 97.6% calf crop in Kansas demonstrations. Almost regardless of conditions, a Hereford cow comes up in the fall with a calf at her side.

HEREFORDS Produce Better Beef Quicker and at Lower Cost!

Little wonder that Herefords, the Beef
 Breed Supreme, are the choice of live-
 stock men everywhere.

Their fundamental profit boosting fac-
 tors such as greater weight for age,
 economy of gain, excellent percentage
 of calf crops, lower wintering costs and
 their consistent ability to get top mar-
 ket prices, are excellent reasons why 4
 out of 5 cattlemen prefer Herefords.

Write today for fascinating FREE book-
 let, "Plan and Profit with Herefords."

BETTER BEEF QUICKER AT LOWER COST

HEREFORDS
 THE BEEF BREED SUPREME

AMERICAN HEREFORD ASSOCIATION
 DEPT. RR-7, 300 WEST 11th STREET KANSAS CITY 6, MO.
 Please send FREE Booklet "Plan and Profit with HEREFORDS"

NAME _____
 R.F.D. OR STREET NO. _____
 CITY _____ STATE _____

5TH ANNUAL DICKINSON COUNTY HEREFORD BREEDERS ASSOCIATION—SALE
Abilene, Kansas
 Eisenhower Park — Fair Grounds
Friday, February 9, 1951
 34 BULLS — 16 FEMALES
 31 Horned, 3 Polled — 10 Horned, 6 Polled
 Serviceable Ages — Cattle Selected by Sale Committee
 SALE 1:00 P. M. — SHOW 10:00 A. M.
 Auctioneer: Gene Watson Judge: Gene Sundgren, CK Ranch

CONSIGNORS
 Glenn I. Gibbs, Manchester
 T. L. Welsh, Abilene
 P. W. Russell, Oak Hill
 Bob White Hereford Farm, Enterprise
 L. M. Blake & Son, Oak Hill
 Earl Elliott, Detroit
 Howard Beetch & Sons, Carlton
 Geo. L. Riffel & Son, Hope
 J. W. Boyce & Son, Carlton
 For catalogues write V. E. McADAMS, Sec., Box 153, Abilene, Kansas

Popular Bloodlines—
 Larry, Tredway, Worthmore, Dandy, Domino, Royal Tone, Prince Royal, Creator, Helman's
 Mike Wilson for Kansas Farmer

KANSAS RANGE BULL SALE
 at McKinley-Winter Livestock
 Comm. Co.
Dodge City, Kan.
Thursday, February 15
 Sale starts at 10:00 A. M. CST
252 HEREFORD BULLS
AT AUCTION

All serviceable age—most of them
 will be 2 years old in the spring. Most
 of them sell in pens of three.

Bulls Will Be Graded and Judged for Sale Order on February 14
 Many commercial cattlemen found the kind of bulls they needed in this
 sale last year. You'll find big, rugged, heavy-boned bulls at Dodge City.
 They will add pounds and dollars to your calf crop! Also several herd bull
 prospects sell individually.

For catalog and information, please address
THE KANSAS HEREFORD ASSOCIATION
 Gene Watson, Secretary-Manager, State Fair Grounds, Hutchinson
 Auctioneers: Freddie Chandler and Gene Watson
 Mike Wilson for Kansas Farmer



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 MANHATTAN
 KANSAS - AGRICULTURE AND APPLIED SCIENCE

FARM NEWS-GRAPHIC

A picture review of successful farming brought to you by the Standard Oil Company

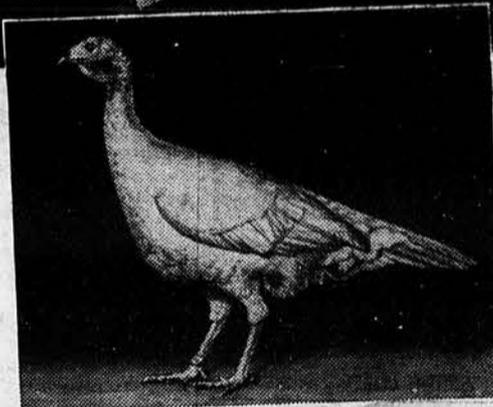
WEIGHTY WHEAT, TRACTOR SHOCKS, "CORRIEDALE KINGS" AND SMALL-TYPE TURKEYS



For the nation's bread basket Archie Snider grows wheat weighing 67.5 lbs. per bushel on his big farm near Emmet, North Dakota, and has won numerous awards at state and national grain shows. On hand to congratulate him recently on his agricultural achievement was J. J. Hutmacher, his Standard Oil Man. One reason wheat champion Snider uses STANDARD RED CROWN Gasoline and Iso-Vis Motor Oil in his extensive power-farming operations is because of the prompt and courteous service he gets from his Standard Oil Man, he says.



"Corriedale kings." Justly proud of their Corriedale flock are C. W. Dilliner and his son, William, of Arcola, Illinois. Father, son and granddaughter, Marsha Ellen, posed for the picture with two of the fine sheep which have been winning blue ribbons at the Illinois State Fair, including the Illinois Corriedale Ewe Championship in 1950. Steady Standard Oil customers, the Dilliners chose STANDARD RED CROWN Gasoline for power and economy and PERMALUBE Motor Oil for uniformity in their power-farming work.



Talking turkey brings up the subject of the new Beltsville Breed developed by the USDA to fill the need for a small, family-size, quick-maturing gobbler. Harold R. Schroder of Meckinock, North Dakota, who is pictured holding one of the birds, is nationally known for his turkey farm and hatchery where he specializes in the Beltsville Breed. Note the size of the bird he is holding—a blue-ribbon turkey-show winner—and the physical characteristics shown in the accompanying closeup picture. Mr. Schroder uses STANDARD Heater Oil exclusively to keep his incubators and brooders at uniform temperatures.



Tractor shock absorber is pointed out by Fred Winter, of Pound, Wisconsin. This ingenious device was developed to smooth out the shocks and bumps in tractor operations over rough ground. Because Mr. Winter wants a smooth running motor, too, he uses PERMALUBE Motor Oil in operating his tractor.

Your Standard Oil Man

