

Kansas Farmer



A SPECIAL RACK inside a cupboard door allows Mrs. Nelson to prop open her cookbook at near eye level where it is easier to follow a recipe.



THIS UNUSUAL kitchen bar-table was designed by Mr. and Mrs. Joseph Nelson, Atchison county. Mrs. Nelson finds it makes a handy and easy-to-clean working surface for many jobs.

"Just the Way You Want It"

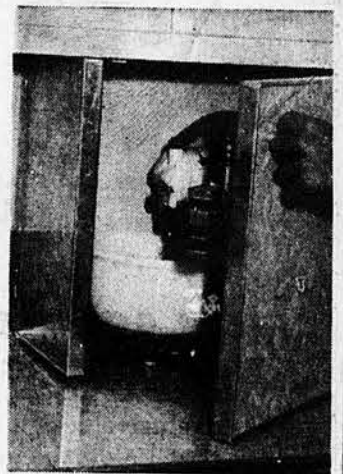


Picking up an idea here and there, the Nelsons have a kitchen that works for them, instead of working them

GETTING your kitchen "just the way you want it" when you remodel your farm home takes a lot of planning. Mr. and Mrs. Joseph Nelson, of Atchison county, spent several years studying magazines and other sources of information before they touched their kitchen. "We picked up an idea here and an idea there," says Mrs. Nelson. "Then, I finally sat down and drew my own kitchen plan, using as many ideas as I could for the space we had. Even then, we found some of our ideas could be used to expand or modify the ones we liked in magazines. No standard kitchen plan will fit all likes and dislikes of any one housewife."

As a result of their careful planning "in advance" the Nelsons now have a kitchen that "works for them" instead of just "working them."

Mrs. Nelson has the handiest and most complete and compact mixing center we have seen anywhere. Everything she needs in the [Continued on Page 30]



TWO SMALL swinging doors keep the mixer clean and out of sight when not in use. This is another idea used by the Nelsons.

- When Handling Sheep.....Page 4
- Giant Plows at Work.....Pages 8 and 10
- Modern Miracle for All.....Page 14

Remember—
Goodyear makes a better tire for every farm job and every type of farm implement.

Only AMERICA'S MOST POPULAR TRACTOR TIRE gives you All Three!

Extra traction! Extra-long wear!
That's what SUPER-SURE-GRIP—and only SUPER-SURE-GRIP—gives you. Three extra-traction features, at no extra cost, that insure "the greatest pull on earth," smoother riding, far longer life. That's why SUPER-SURE-GRIP was voted the best-liked tractor tire in America in the 1950 nationwide farm survey!

1 GOODYEAR'S SURE-GRIP ACTION — Goodyear lugs are set closer at the shoulder than center. This exclusive design provides a vise-like grip that holds the soil in the ground, gives the lugs greater traction than curved lugs that "plow out" the soil. Result—Goodyears pull where other tires won't!

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3 EXTRA-LONG WEAR — Since Goodyear's SURE-GRIP lug action holds the soil firmly in the ground, skid, slippage and abrasion are greatly reduced. Goodyear's famous O-P-E-N C-E-N-T-E-R self-cleaning lugs have no mud-catching hooks. The result is smoother riding, less slip, far longer life!

GOODYEAR

Super-Sure-Grip Tractor Tires

We think you'll like "THE GREATEST STORY EVER TOLD"—Every Sunday—ABC Network

Super-Sure-Grip—T.M. The Goodyear Tire & Rubber Company, Akron, Ohio

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Coming Events

October 22—Mitchell county, City of Beloit, Beloit Township and Plum Creek Township. Extension council election, Municipal Building, Beloit, 8 p. m.

October 22—Barton county Farm Bureau annual meeting, St. Rose Auditorium, Great Bend.

October 22-24—Reno county family institute, Hutchinson.

October 22-24—Reno county home furnishing leaders training meeting. Subject, "Color in the Home."

October 23—Mitchell county, Artificial breeders directors district conference, Manhattan (day).

October 23—Mitchell county, Glen Elder, Carr Creek, Cawker and Walnut Creek extension council election, Cawker City, 8 p. m.

October 24—Mitchell county, Pittsburg and Hayes extension township election, Lone Hill School, 8 p. m.

October 25—Mitchell county, Logan and Eureka extension township election, Coursen-Grove school, 8 p. m.

October 29—Mitchell county, Bloomfield and Center extension township election at District 82, 8 p. m.

October 29-30—Osborne county, land judging school.

October 31—Smith county beef cattle tour.

November 1—Mitchell county, Blue Hill and Custer extension township elections, Hunter, 8 p. m.

November 1-2—Mitchell county wide 4-H paper drive.

November 2—Mitchell county, Salt Creek and Round Springs extension township election, Georgia school, 8 p. m.

November 3—Ellsworth county, Heart of Kansas All Breed Beef show, Ellsworth.

November 5—Smith county, 4-H officers training school for all clubs in county.

November 5—Clark county agricultural extension council meeting, Ashland, 4-H building, 7:30 p. m.

November 6—Mitchell county, shelter belt meeting with extension forester in county.

November 6—Mitchell county, Lulu and Asherville extension election, Asherville, 8 p. m.

November 7—Pottawatomie county, rural life district conference, Westmoreland.

November 7—Mitchell county, 4-H planning meeting, county-wide with John Hannah, Beloit.

November 7—Jefferson county, dairy artificial breeding membership meeting, Oskaloosa.

November 10—Edwards county outlook meeting—day meeting.

November 12—Smith county Extension Council annual meeting.

Senator Capper on Radio

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

KANSAS FARMER

Continuing Mail & Breeze

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ARTHUR CAPPER, Publisher
H. S. BLAKE, General Manager
Raymond H. Gilkeson, Editor
Dick Mann, Associate Editor
Gordon West, Associate Editor
Mike Burns, Associate Editor
Florence McKinney, Women's Editor
Dr. C. H. Lerrigo, Medical Department
Mike Wilson, Livestock Editor
J. M. Parks, Protective Service
Roy R. Moore, Advertising Manager
A. E. Carson, Circulation Manager

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STATEMENT REQUIRED BY THE ACT OF AUGUST 24, 1912, AS AMENDED BY THE ACTS OF MARCH 3, 1933, AND JULY 2, 1946, TITLE 38, United States Code, Section 2231 SHOWING THE OWNERSHIP, MANAGEMENT, AND CIRCULATION OF

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1. The names and addresses of the publisher, editor, managing editor, and business managers are:

Publisher..... Arthur Capper, Topeka, Kansas
Editor-in-chief..... Raymond Gilkeson, Topeka, Kansas
Managing Editor..... Raymond Gilkeson, Topeka, Kansas
General Manager..... H. S. Blake, Topeka, Kansas

2. The owner is: (If owned by a corporation, its name and address must be stated and also immediately thereunder the names and addresses of all stockholders owning or holding 1 percent or more of total amount of stock. If not owned by a corporation, the names and addresses of the individual owners must be given. If owned by a partnership or other unincorporated firm, its name and address, as well as that of each individual member, must be given.) Capper Publications, Inc., Topeka, Kansas; President and Publisher, Arthur Capper.

3. The known bondholders, mortgagees, and other security holders owning or holding 1 percent or more of total amount of bonds, mortgages, or other securities are: None.

4. Paragraphs 2 and 3 include, in cases where the stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting; also the statements in the two paragraphs show the affiant's full knowledge and belief as to the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustees, hold stock and securities in a capacity other than that of a bona fide owner.

H. S. BLAKE, General Manager.

Sworn to and subscribed before me this 1st day of October, 1951.

GERALD METSKER, Notary Public.

(My commission expires August 26, 1954.)



LLOYD BURLINGHAM'S

SKELLY FARM NEWS



Ours is a Big Country...

Considering everything, 1951 is winding up as an excellent farming year. Many times from planting to harvesting the prospect was none too promising.

We've never had a greater diversity of adversities. Green bugs damaged the wheat crop, corn borers were a continuing threat, drouth hit the deep south and substantial areas in the southwest, the spring was cold and wet and reluctant in the midwest, rain ruined much of the first cutting of hay and devastating floods wrecked thousands of central western farms.

Added together, all these attacks on food production might seem to spell disaster. The saving factor is that ours is a big country. Not all of these handicaps struck any one farming area. While each was serious in the section affected, no one reached major coverage.

Therefore, we get by, in spite of weather and insects and uphill going. How fortunate we are, in the measure of the total harvest, that ours is a big country. Big and rich and productive.

Now! Get a Head Start on SPRING!

When you roll out your farm machinery next spring you can have your Spring-Summer supply of farm-proved lubricants on hand, ready to go... if you act NOW!

Skelly's famous Future Order Plan was designed for your convenience. Order now but pay later. Meanwhile, you're protected on price and assured of a supply, come what may... well ahead of your spring requirements.

Today... while you're thinking about it... call your Skelly Farm Service Man for Future Order details.

SKELLYMAN

Joe Shields

says:



For over 16 years Dad and I have served our friends around Harvard with guaranteed Skelly products. We're proud to sell them and our customers are proud to use them. Right now, we're again urging all our Harvard farmers to sign up under Skelly's Future Order Plan for their next spring's lube oils and greases. Why don't you order now, too? Saves no end of time... and money! Call your Skelly Farm Service man today.



TOP FARMER 15 YEAR SKELLY USER



Familiar meeting ground—Farmer McCormick and two of his sons (left and right) with Skellymen Michael Shields and son Joe.

"My sons, Vince, Bill and Jim, Jr., grew up with Skelly Products," says James McCormick of Harvard, Illinois. "We've used the complete line of Skelly Products for more than 15 years."

The McCormicks, father and three sons, operate a fine 280 acre dairy farm in northern Illinois. Their main crops are corn, alfalfa and oats—90 bushels of oats to the acre this year. They have 83 head of fine Holsteins that produce 160 gallons of milk per day. The McCormicks have more than 70 hogs and 100 chickens, too.

Mr. McCormick and his three sons are convinced that Skelly Fortified Tagolene Heavy Duty Motor Oil and Skelly Premium gasoline are responsible for the fine performance of their three tractors, hay-baler and other equipment.



Prize McCormick Holsteins



"Ready with Skelly"

Cold's Coming! Keep Going!



Get SKELLY FROSTFIGHTER SERVICE!

Protect your car against winter with the new Skelly

Frostfighter Service—the finest fall-winter changeover of them all.

Here's what your car gets with Skelly Frostfighter Service:

1. OIL CHANGE to fresh new Skelly Supreme Motor Oil—Heavy Duty Type for Passenger Cars.
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4. ANTIFREEZE—the correct amount of the type you select.

Get Skelly Frostfighter Service at your favorite Skelly Service Station now!



HINTS for House and Garden

● For quicker mixing, rinse mixing bowl with boiling water just before using. It will speed the creaming of butter, sugar and eggs.

● For shining windows, put one-half cup of vinegar in a quart of the washing water.

PRIZE Household Hint

Use moth balls for cores when winding balls of yarn. They make good starters and keep moths away should the yarn be unused for any length of time.

Mrs. Neil Frye
Route 3, Box 68
Cazenovia, Wisconsin

FOR NEWS WHILE IT'S NEWS

Listen to Lloyd Burlingham's story of the current winner of the Skelly Agricultural Achievement Award—every Saturday morning. Also Alex Dreier's Saturday morning roundup of world news. Every weekday, hear Alex Dreier's news analysis. Both programs: 7:00 A.M. over your local NBC station.

SKELLYLAND'S Favorite Recipes

HOT CHICKEN SALAD

2 cups cooked chicken diced	1/2 cup chopped nuts
2 cups celery, diced	1 cup mayonnaise
1/2 teaspoon salt	2 tablespoons lemon juice
1/8 teaspoon pepper	1/2 cup grated cheddar cheese
1 tablespoon onion, finely diced	1 cup potato chips, finely crushed

Combine chicken, celery seasonings, lemon juice, nuts and mayonnaise. Turn into 6 individual casseroles. Top each one with cheese and potato chips. Bake in 450°F. oven for 10 minutes.

Dorothy Hofbauer
Ravenna, Nebraska



CASH for favorite recipes or hints we can use! We'll pay \$5 to you if we print it here. Please keep a copy for your files, as none can be returned. Mail yours to Skelly Oil Company, Department KF-1051, Kansas City, Missouri.

See or call your Skelly Farm Serviceman today!

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Little Things Make a Big Difference . . .

When Handling Sheep

By DICK MANN

YOU don't have to talk with sheepmen very long until you discover little things make a big difference in handling the flock. One advantage of running a ewe flock, for instance, is that you can do it with very little equipment. What really counts is watching the little things in management that make the difference between profit and loss.

A good example of this care for details is Lawrence W. Dillman, of Lyon county. And there is a reason: "I'm depending on my flock of 100 ewes to pay for this farm so I have to watch all the corners," he says.

And watch them he does. Like several other farmers in the county, Mr. Dillman has taken on the Kansas State College Extension service early-lamb program. Thru co-operative buying, he gets Texas ewes in spring and breeds them for early lambs to market at the high-price period the following spring.

All the good ewes are kept 5 or 6 years. One of those small things in management concerns replacements for the culls. Should a man hold over some good ewe lambs or sell all his lambs and buy more Texas yearlings as replacements? "So far," says Mr. Dillman, "I have been able to save several dollars a head by selling all my lambs and buying replacement ewes."

Maybe some folks think the ram isn't too important in the management program. Mr. Dillman thinks it is very important. "Some folks decide how much they want to pay for a ram, then go out and look until they find one for that price. In my planning I decide what kind of ram I need, then ask about the price after I find him."

He has been using 2 breeds of rams, Suffolk and Hampshires, to see which he likes better. "A ram is just like a bull," he said. "If you want good offspring you have to use a good sire. And I wouldn't buy any ram that isn't registered," he adds, "because of the chance for throwbacks."

Temporary panels are used to good advantage in managing his ewes and lambs in the

sheep shed. Ewes are allowed to go out on pasture every day while lambs are kept in the shed for creep-feeding.

By driving pointed posts at intervals across the shed, Mr. Dillman strings a temporary fence with slatted openings for the lambs. When lambs are small this partition is near the back. As they grow and need more feeders the fence is moved out merely by pulling and re-driving the pointed posts.

An 18-inch-wide alley along one side of the shed with a simple sorting gate at the outer door makes it possible for one man to handle the flock. All Mr. Dillman has to do is get some of the ewes and lambs started down the alley, which is too narrow for them to turn around. Then he stands at the sorting gate and lets ewes out the front and slants the lambs back into the shed.

Saving feed, no matter how little, is given attention on this farm. Mr. Dillman has found by making the top sides of his hay feeders solid—leaving only about a 7-inch opening at bottom above the grain trough—he does save a lot of hay. "Before I tried this type feeder," he says, "the sheep would pull a lot of hay off onto the ground where it was wasted."

Using molasses in the feed for lambs has worked very well for him. "I haven't had a sick lamb since I started using molasses," he says. "I think it is a wonderful conditioner."

Another small but important point in the feeding program is keeping grain troughs clean. "That includes keeping the chickens out," says Mr. Dillman.

If you have trouble with your rams fighting or if they buck the ewes you might like to try a little trick that is working for him. "The idea isn't mine," he says, "but it works."

He takes a pointed stick and dangles it from the neck of each ram by means of a leather collar and short chain. Length of chain and stick must be adjusted to the individual ram. If the pointed stick is allowed to barely drag the ground it works like this. Before a ram charges he always takes a step backwards. When he does this it sets the pointed stick against the ground. Then, when he charges, the butt of the stick pokes him in the [Continued on Page 35]

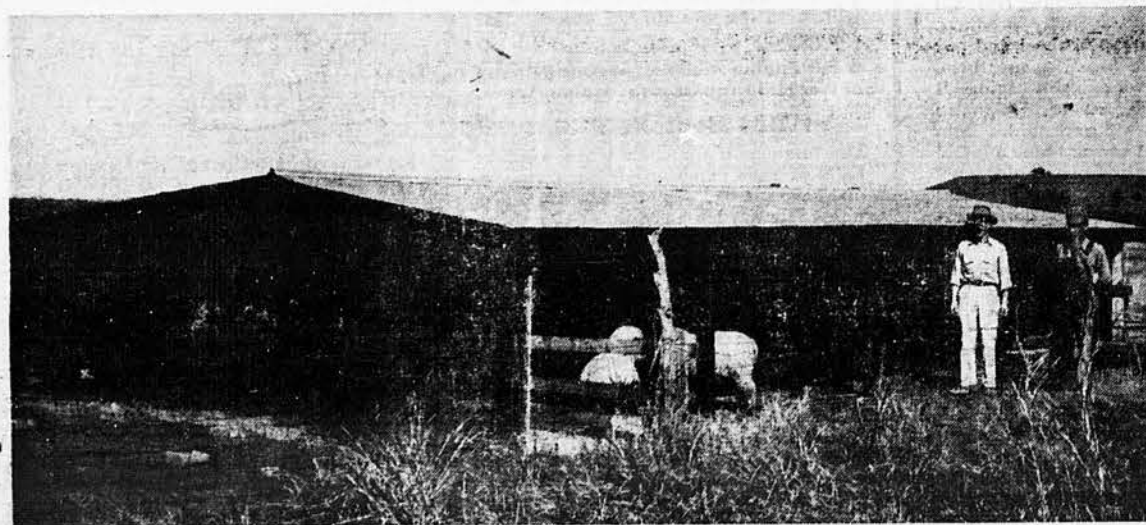


WHEN THIS RAM on Lawrence W. Dillman farm in Lyon county wants to fight he finds butt of stick hung to his neck raps him in brisket every time he makes a charge. He soon calms down.



MAKING SIDES of feeder solid down to within about 7 inches of grain trough helps prevent wasting hay when sheep are feeding, Mr. Dillman has found.

A CHEAP pole-type sheep shed makes an ideal creep on farm of Marion Boggs, Lyon county. Here, Mr. Boggs and Luroy McDougal, Lyon county Extension agent, examine a couple of rams just in front of sheep shed.



THIS SORTING GATE at end of an 18-inch-wide runway along one wall of the sheep shed, conveniently allows Lawrence Dillman to separate his ewes and lambs each morning. Ewes go to pasture, while lambs remain in shed for creep feeding.

Farm Matters

AS I SEE THEM

WITH passage of the new tax increase bill—the third increase enacted in little more than a year—the total annual Federal tax burden will be around 67 billion dollars; more if the inflation continues. The latest tax “bite” is for only \$5,750,000,000 increase. President Truman had asked for another 10 billion, but Congress declined without thanks. The 3 increases combined call for 17 billion dollars a year more than before Korea. The 67-billion-dollar federal tax take, it is pointed out by Sen. Walter George (D., Ga.), exceeds the highest tax collections during the peak of World War II by some 21 or 22 billion dollars.

Those of you between the \$3,000 and \$60,000 a year net income will find your increased federal income tax rate upped for 1952 by about 11 3/4 per cent, on the average. And of course, there are some new or increased excise taxes. And the states and local units are going to have to increase tax collections, to “keep up with Uncle Sam”—and the ever-cheapening dollar.

This might be a good time to reprint from Roswell Magill's article, “How High Can Taxes Go?” He tells what one Henry Suburban, might be anyone, pays in taxes the first hour of a business day.

Henry is aroused in the morning by his alarm clock (price \$6 plus \$1.32 tax). Partially awake, he walks across the floor of his \$8,000 house (annual property tax \$240) and switches on the electricity (3 1/2 cents tax on each dollar of his monthly bill), which lights the bulb (price 20 cents plus 2 cents tax). On his way to the bathroom Henry turns on the radio (price \$30 plus \$2.54 tax).

As he shaves—forgetting the taxes that went into the price of his razor and shaving cream—he listens to a radio newscaster reporting that the Federal Government is preparing to increase income taxes and special taxes on many things he buys. After shaving, Henry finishes up with bay rum (price \$1 plus 22 cents tax).

He dresses quickly, fastens his tie clasp (price \$1.50 plus 33 cents tax) and, as he leaves the bedroom, puts on his wrist watch (price \$70, tax

\$15.40—not counting customs duty) and fastens his cuff links (price \$3.50 plus 77 cents tax).

He hurries downstairs and kisses his wife (marriage license \$2), who gives him his toast from the electric toaster (price \$20.50 plus \$1.74 tax). She pours his coffee from the pot on the gas stove (price \$190, tax \$16.16) and gives him his fruit juice from the refrigerator (price \$300, tax \$25.52).

Henry's wife tells him to buy some talcum powder for the baby (50 cents plus 11 cents tax), a roll of camera film (price 34 cents plus 4 cents tax), and since some friends are coming for dinner, a bottle of liquor (price \$4.69 including \$2.72 in taxes). A glance out the window shows it is raining, so he asks his wife to telephone (monthly bill \$12, tax \$2.05) for a taxi. Too many other people want taxis on a wet morning, so Henry gets out his own car (\$1,800 plus \$102 federal tax, plus \$38 sales tax, plus tax of 5 cents a pound on the spare tire, plus 5 per cent on each new part or accessory, plus average state and Federal gasoline tax of 5 1/2 cents per gallon).

On his way to the station, Henry lights a cigaret (price per pack 10 cents, plus Federal tax 7 cents, plus state tax 4 cents) with a match (tax 5 1/2 cents per 1,000). He boards the (commuter's) train and gives the conductor his ticket (price 85 cents, tax 13 cents), and sighs (no tax). And Henry has been up only an hour.

Yet the biggest part of Henry's tax story is still to be told. Take Henry's toast. That started from a loaf of bread and it came from a farm. Just as anyone who owns property, the farmer has to pay taxes on his land and buildings and machinery, and he also pays most of the taxes Henry pays. These taxes are just as much a part of the farmer's cost of raising wheat as seed, lime or fertilizer. They have to be passed on to Henry.

The miller, too, had taxes to pay—taxes on his personal property, on his real estate, as well as all the taxes that went into the making of his milling machinery and his flour sacks. Transporting the flour included taxes—railroad taxes, taxes on gasoline and oil and so forth. When the bread reached the shelf of the grocery store, the retailer's markup included still more taxes—those the retailer had to pay. Furthermore he paid taxes on his property, unemployment compensation and social security taxes on the wages he paid his employees, as well as his income taxes and other business taxes. So Henry is paying far more than he realizes for government. . . .

If Henry's family was in the \$3,000 to \$4,000 income bracket in 1948 (3 federal tax jumps since then amounting to a 47 per cent increase) and his income was the average for his bracket, statisticians have figured that Henry comes up—or out—with this picture of his tax burden:

Personal income taxes, \$233; corporation taxes (paid directly by corporations but passed on to Henry; these corporation “soak the rich” taxes are just plain sales taxes for you and me), \$164; excise and sales taxes (paid by Henry or passed on to Henry), \$293; property taxes (paid by or passed on to Henry), \$111; and payroll taxes (paid by or passed on to Henry), \$106. Total, \$908, of which the Federal Government took \$660 and state and local governments got \$248.

A little more than one fourth of Henry's income found its way to government in the form of taxes. Those figures are based on 1948. For 1952 the combined “take” or “bite” or whatever you want to call taxes (direct and indirect) will be between one third and one half of Henry Suburban's income, and yours and mine.

Spend and spend and spend; tax and tax and tax; elect and elect and elect, is getting expensive.

Arthur Capper
Topeka.

Just Who Should Represent Farmers?

By CLIF STRATTON

Kansas Farmer's National Affairs Editor

THERE are contrasting views on Secretary of Agriculture Charles Brannan's venture into planning legislation. The Department is circulating a 121-page document, “Provisional Report and Tentative Recommendations of the Family Farm Policy Review Subcommittee.” Its announced purpose is to see how well the Government's farm programs are working now, and to solicit ideas for improvement.

Commenting on the document and its implications, Wayne Darrow in his Washington Farmletter, says:

“Bona fide farms are about 4 million. There are 1.2 to 1.4 million part-time farmers; also, about 1 million ‘mistake’ farms—uneconomic size, or poorly run by old folks, or absentees. Census likely will show 1 million farms producing 75 per cent of all commercial stuff.

“This is the background for present and future political maneuvering. Dog fight now is over Secretary Brannan's ‘Family Farm Policy Review,’ and desire of him and others to arrest somewhat the trend to bigness at the expense of small and medium-size farmers.

“A more potent political issue next year is likely to be the steady shrinkage of net farm income. Many farmers—big and small—probably will register resentment against those they think in some way responsible.

“Family-size farm rumpus is reported hottest in Indiana, Arkansas, and Iowa. It's spreading. Farm Bureau started and leads the fight, but some others also view with alarm. U. S. Chamber of Commerce shot a blast last week.

“We've examined closely the USDA booklet on which attacks are being based. It's a rehash of old stuff. No new program is proposed. It's as revolutionary as the present farm programs—no more so, no less so. It becomes sinister when its statements are given the worst construction.

“Sure it's political. We always figured Secretary Brannan launched it not only because he's concerned about the welfare of the little fellow, but also to get another 1952 issue more palatable to some Democrats than the Brannan Plan.”

Opponents, Farm Bureau down and up, point particularly to 2 suggestions in the booklet, which they assert indicate the purpose behind the “Policy Review” tentative recommendations.

The first proposal—labeled a “problem” rather than a recommendation, would, they say, call for a new version of the Brannan Farm Plan, rejected 2 years ago by Congress—more emphatically rejected, Republicans assert, by the farm vote in the 1950 Congressional elections.

Under the 1949 Brannan proposal, the USDA would set up a yearly total cash farm income goal. The Government would use loans, and direct payments on perishable commodities, to see that farmers, on the whole, reached this income.

Brannan's opponents point out that going beyond the original plan, direct payments also could be made to producers on their nonperishable crops

like wheat, corn and cotton, under the “Policy Review” proposals.

“Direct payments have been suggested as an alternative method to the conventional price-support program for assuring producers adequate returns,” the “Policy Review” document puts it. “This program has the advantage of keeping supplies in the normal channels of trade and allowing the market price to seek its own level.” (“Consumer food subsidies,” shouts the opposition.)

The other proposal particularly under fire is that Uncle Sam buy up “big” farm land and resell it to small farmers whose present holdings are not big enough for them to operate profitably.

Says the booklet: “Careful study should be given to the possibility of using land acquisition—and subsequent land redistribution into family farms and resale to private owners—for helping farmers hasten adjustment where their farms are clearly too small. Actions of this sort may be necessary to strengthen farm families and to safeguard the production capacity of the land. This would require additional legislation.”

This “land reform” idea is not spelled out specifically. Officials questioned explained right away quickly that what is meant is the exact opposite of the Communist technique of seizing large farms and breaking them up among several land-holding tenants.

American Farm Bureau Federation also charges that Brannan is trying to have his Department supplant the farm

organizations in formulating programs and presenting them to Congress—in other words, make the USDA, not the farm organizations, “speak for the farmers.”

The contest is generating a good deal of heat.

Following are the proposed USDA grades for slaughter barrows and gilts; any comments from persons interested should be filed with the Department of Agriculture before April 3, 1952:

Choice No. 1—Slaughter hogs with about the minimum finish required to produce high-quality pork cuts. Carcasses have a relatively high ratio of lean to fat, and usually yield about 50 per cent of their carcass weight in the 4 lean cuts of hams, loins, picnics, and Boston butts.

Choice No. 2—Slaughter hogs producing high-quality pork but because they are slightly overfat, cuts from these carcasses require somewhat heavier trimming. Carcasses usually yield about 45 to 48 per cent of their carcass weight in trimmed loins, hams, picnics, and Boston butts.

Choice No. 3—Slaughter hogs producing high-quality pork but decidedly overfat. Carcasses usually yield somewhat low proportion of lean cuts and a high proportion of fat cuts. These carcasses normally yield less than 45 per cent of their weight in the 4 lean cuts.

Medium—Slaughter hogs which are slightly underfinished and as a result flabby and slightly soft cuts with little marbling. These cuts are of medium quality. The yield of lean cuts is proportionately high but the ratio of total lean and fat to bone is slightly low.

(Continued on Page 29)



Main picture—The Boeing B-47, 600-mile-an-hour Stratojet, spreads its wings in graceful flight over Wichita, its birthplace.

Below—A Bomber of the Strategic Air Command, Forbes Air Base, Topeka, undergoes rigid inspection.

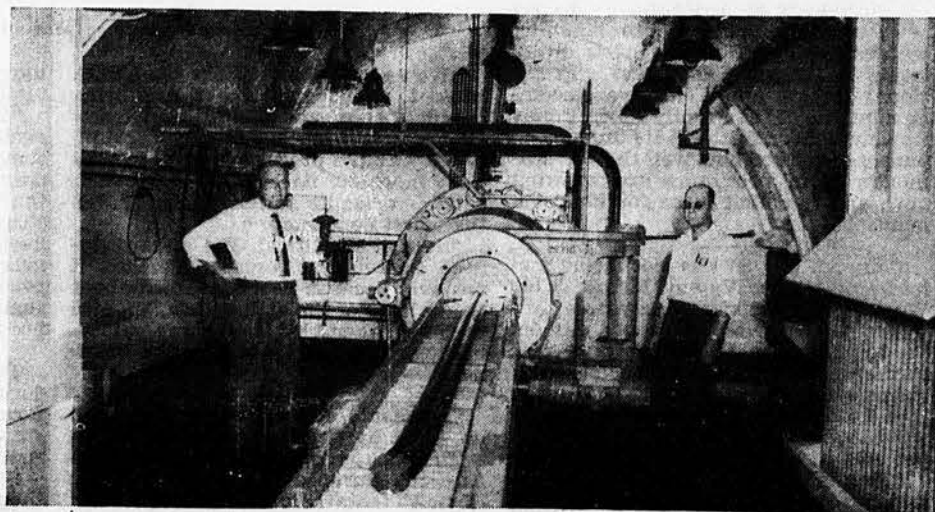
Lower right—Rocket powder is again being made in tremendous quantities at the reactivated Sunflower Ordnance Plant near Lawrence.

In these and scores of other plants devoted to our war needs electric power is indispensable.

KANSAS "PREPARES" with ELECTRIC POWER

Taking the shift to a partially mobilized economy in stride, the Kansas Electric Light and Power Companies are demonstrating their ability to provide plenty of electricity for both defense and civilian needs. They have registered impressive gains in electric generating capability, power production and rural customers.

In every community in the state "preparedness" is becoming the theme song in ever-increasing tempo, your electric company is doing its part in our common national defense program.



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Your LAYING FLOCK

Will Make Money IF

By TOM AVERY, Kansas State College

IT ISN'T always size of flock, breed kept, or kind of poultry house you happen to have that determines success with poultry. It is general understanding and management "know-how" that are most important. Some persons never succeed because they continue to make the same errors year after year while others are successful from the start.

Beginners in the poultry business should follow practices proved to be profitable by others. Even experienced persons are constantly on the alert for new ideas and better ways of doing the job. Present "know-how" takes much of the drudgery out of poultry keeping but strangely enough, persons who are looking for an easy job in the poultry business usually don't last very long.

All indications are that persons who do a good job of managing their laying flocks this fall and winter should make a very nice profit. Profits will be governed to a large extent by management factors. Egg prices are always highest the last 6 months of the year; consequently, every step possible should be taken to get eggs when they are in demand. The difference between a profitable or unprofitable flock may well be determined by number of fall and early winter eggs produced.

Give Them Room

Fill the poultry house to capacity but don't overcrowd. If heavy breed chickens are kept allow at least 3½ square feet of floor space per bird at time pullets are housed. This will mean by mid-winter enough birds will be culled out to allow about 4 square feet of floor space per hen. Three square feet of floor space per bird usually is sufficient for Leghorns or other light breeds.

It is seldom profitable to keep hens more than one year; however, if a few of the best old hens are kept a second year never allow them to run with pullets. Hens will dominate pullets and are very likely to carry disease to younger birds.

Proper feeding is important if con-

tinued high production is to be maintained. Most common system of feeding pullets in Kansas after they are placed in the laying house is to keep a well-balanced laying mash, oyster shell, and grit before them at all times. Grain is fed either in hoppers or in litter in the evening. Laying hens of heavier breeds should consume about 30 pounds of feed per day per 100 hens. Half of this amount will be grain and half mash. If hens are to lay well, they must eat well. Every effort should be made to obtain maximum feed consumption. In very cold weather it may be wise to increase the grain consumption, and in hot weather to reduce it.

If the poultry house is adequate, hens will lay more eggs if kept inside from the time they enter the house in fall until sold the following spring or summer.

You Save Labor

Labor is expensive. Some poultrymen work very hard and get poor results; others, thru efficient management, are able to do a good job with a minimum of effort. Labor can be saved by keeping loafers culled closely, by using such laborsaving methods as automatic waterers, deep litter bulk feed handling, and droppings pits.

Accurate record keeping is an often neglected, yet one of the most important parts of the poultry enterprise. The poultryman who has a record of which management practices are most profitable on his farm has a very good chance for success.

No flock is free of culls for very long. Failure to cull at regular intervals results in poorer percentage production, higher feed bills with fewer eggs, higher labor cost per bird, and higher mortality. Each bird culled when it first breaks in production means an increase in income of from \$1 to \$1.25. Most culls soon lose their market value if allowed to remain in the flock, and are often a detriment to the health of other birds. Make the most of each bird in the flock and they will make the most for you.

First-Place Shropshire



BREEDERS from other states riddled hopes of Kansas breeders in several sheep classes at Kansas State Fair. T. D. Fanning, of Ottawa, however, had several high winners. Here he is shown with his first-place Shropshire ewe lamb under one year.

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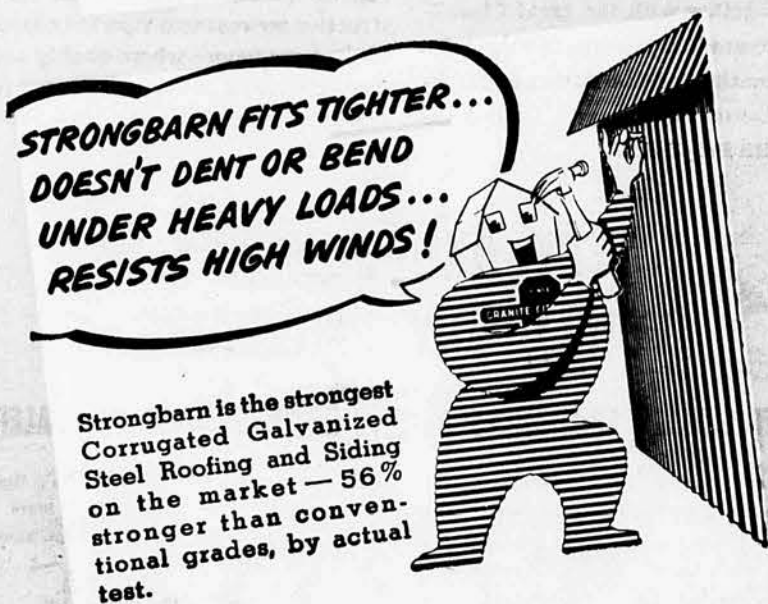
Yes, with the food-keeping qualities of Frigidaire refrigeration products and the economy gained from Frigidaire electric ranges and home freezers . . . together with the great Cleanliness Team that is found in Frigidaire Automatic Washers, Dryers and Ironers, Kansans can prepare for defense . . . with Frigidaire.

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Huge Disc Plow Turns Sand Under



1. SOME HOPE of reclaiming sand-covered river bottom land in Kansas is offered by this Towner Giant multiple standard disc plow with hydraulic control. Distributed by Martin Tractor Co., Topeka, plow is shown during demonstration just south of Wamego.



2. HUGE WINDROWS of soil and sand are turned over with each trip made by Towner Giant disc plow. The one used here was turning over a furrow slice 55 inches wide and 30 inches deep.



3. HERE GIANT DISC plow was turning over about 15 inches of pure sand and 15 inches of black soil underneath. Costs of plowing such land are hard to figure, may run from \$25 to \$40 an acre.

Forrest Miksch Wins Skelly Achievement Award

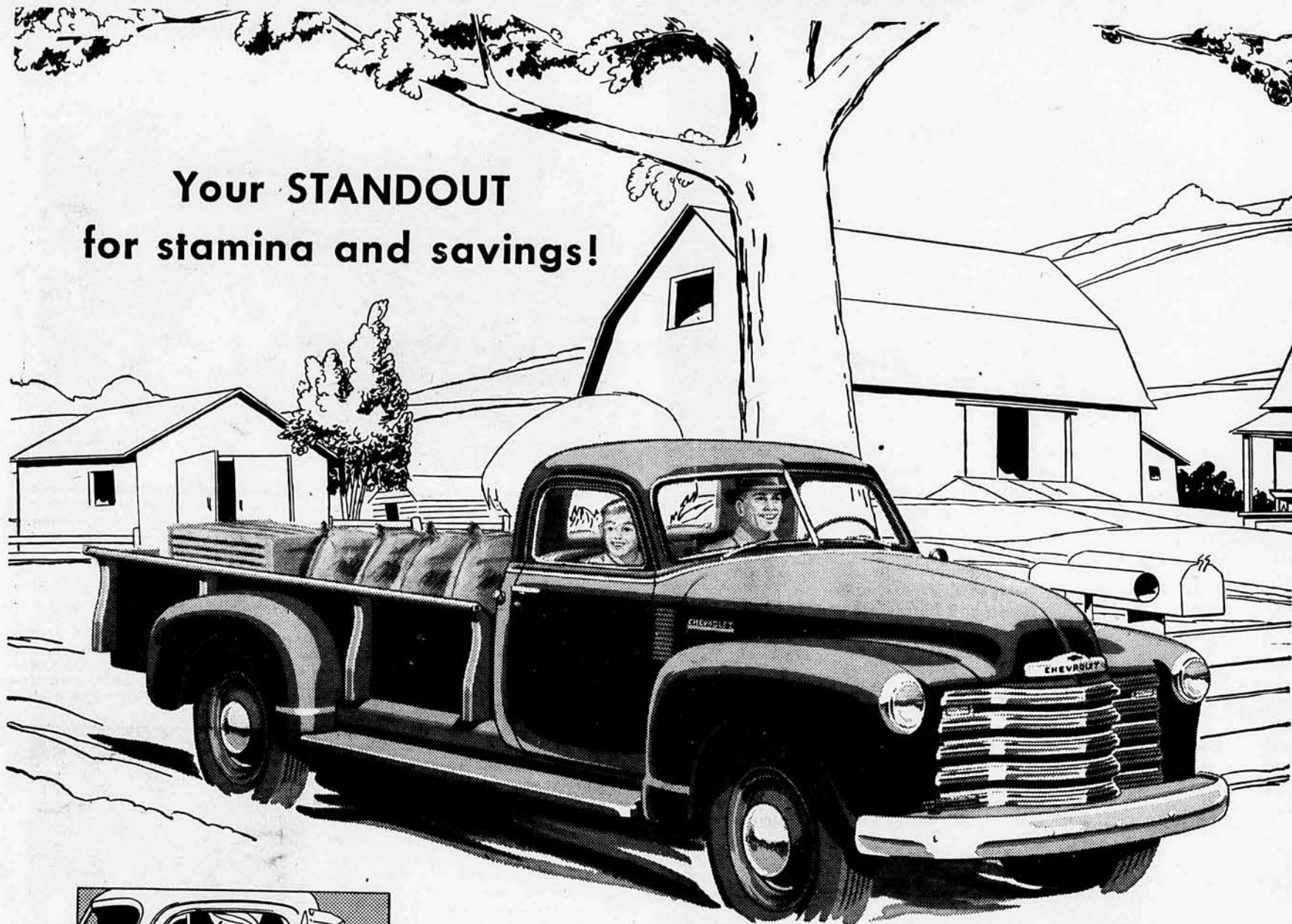
ANOTHER Kansan has won the W. G. Skelly Agricultural Achievement Award. The Award for the week ending September 29 went to Forrest Miksch, Labette. The Miksch family was honored at a community breakfast for a fine job of farming and homemaking.

This enterprising family combines sound management and hard work in the raising of beef cattle—about 25,000 pounds annually, and they plan to increase that figure. They also have 50 Shorthorns, 10 Brown Swiss heifers and 6 Chester White sows. Fifty acres are in wheat, and other crops grown include soybeans, sorgo, sweet clover.

Three of the Mikschs' children are active 4-H'ers: Dale, 15; Delores, 13, and Duane, 17. Darlene is now Mrs. Harold Hellwig. Duane is president of the FFA chapter at Altamont. Mrs. Miksch shows a good profit from the small poultry flock, is an excellent homemaker. She is a 4-H Club leader and active in the Labette Methodist church. Mr. Miksch is a church board member, was a school board director 12 years. He has been a director of the county Farm Bureau 4 years, secretary-treasurer for 2 years.

The Skelly Award consists of a \$100 U. S. Savings Bond, a gold lapel pin and a handsome scroll.

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The Chevrolet pick-up is the most popular truck in America, and for good reason. Chevrolet sees you get the exact wheelbase for your job... 116", 125¼" or 137". Payload capacities range from 1500 lbs. to 2900 lbs., body lengths from 78" to 108", with no wheelhouse obstructions. The floor is tough, uniform-width planking (easy to replace if damaged) with flush-type skid strips for easy loading and unloading. Steel end-gate lowers flush with the floor, too, to save extra lifting. All models are equipped with stake pockets, and all models have great Chevrolet truck features that make driving them a pleasure: Advance-Design cabs with full-width seats and level floors—easy turning Recirculating Ball-Gear Steering—smooth, positive Synchro-Mesh Transmission—powerful and economical Valve-in-Head engine, most popular truck engine in the nation.

Whatever you haul, Chevrolet has the best truck buy for you—in pick-ups, panels, platforms, stakes, conventional and C.O.E. chassis for special bodies. Your Chevrolet dealer is on the job to help you. Stop in and talk over your truck needs with him. Chevrolet Division of General Motors, Detroit 2, Michigan.

(Continuation of standard equipment and trim illustrated is dependent on availability of material.)



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Giant Plows Bury Flood Sand

By M. N. BEELER



ON BRUNE BROTHERS' farm, northwest of Lawrence, good topsoil (left) has been turned up from depth of 40 inches by Post moldboard plow. Buildings and timber in background had caused sand to be dropped in a high ridge, which was leveled (right) by blade before plowing started. Depth of sand in foreground was 24 to 30 inches.

DEEP plowing seems the best way to get rid of sand left by summer floods. For deposits up to 5 or 6 inches, ordinary equipment will do the job. But where the sand layer is 1 to 2½ feet deep, giant plows and giant power are required.

Pictures shown here were taken on Brune Brothers' Kaw Valley farm northwest of Lawrence, during demonstration of the Post moldboard plow. This plow cuts a 30-inch furrow slice. Don Carttar, Lawrence, owner of the plow, estimated it would turn ½ to ¾ acre an hour with the crawler tractor going 2 miles an hour.

The Post plow comes in 3 models. Two of them cut 30-inch furrows, but one will plow 36 inches deep and the other 48. The third model cuts a 24-inch furrow and will plow 24 inches deep.

Another big plow, demonstrated on the Ray Morton farm, near Wamego, by Martin Tractor Company, of Topeka, is the Towner Giant Disc. It comes in models of 3, 4 and 5 blades, each 44 inches in diameter.

Acreage of land made useless by sand is much less than early reports indicated. On many farms there was no damaging deposit. On others the layers too thick to turn under are limited to a few acres. In most of these cases leveling and deep plowing, even tho expensive, will rehabilitate the land. On tight soils the deposits of sand, if they can be turned under, will improve tilth.

Many Cows Bred Artificially

More than 50,000 Kansas dairy cows were bred artificially during the first 18 months the state artificial breeding unit operated.

"Altho none of the calves from the

artificially bred cows is old enough to be in production, there is plenty of evidence of excellent results from the Kansas program," said A. N. Moeller, Kansas State College dairy husbandryman. The cows were owned by 8,000 Kansas dairymen, who belong to 60 local artificial breeding associations in 77 counties.



FURROW was hip deep to Joseph G. Herman, Jackson county, Mo., who came over to watch the demonstration. Land-side of good soil was about leg-calf high. From there up was mostly sand, with occasional thin streaks of silt. Herman owns a farm in Platte county. His problem is tight land.



HERE H. R. Gordon, Lawrence, operator of D8 Caterpillar, points to former soil surface, indicated by remains of Brune Brothers' certified-seed wheat crop. Note top of his head as he kneels is just about level with surface of sand, which is about 30 inches deep. Plow was turning up 10 inches of good soil at this point, and burying the sand.

Steel



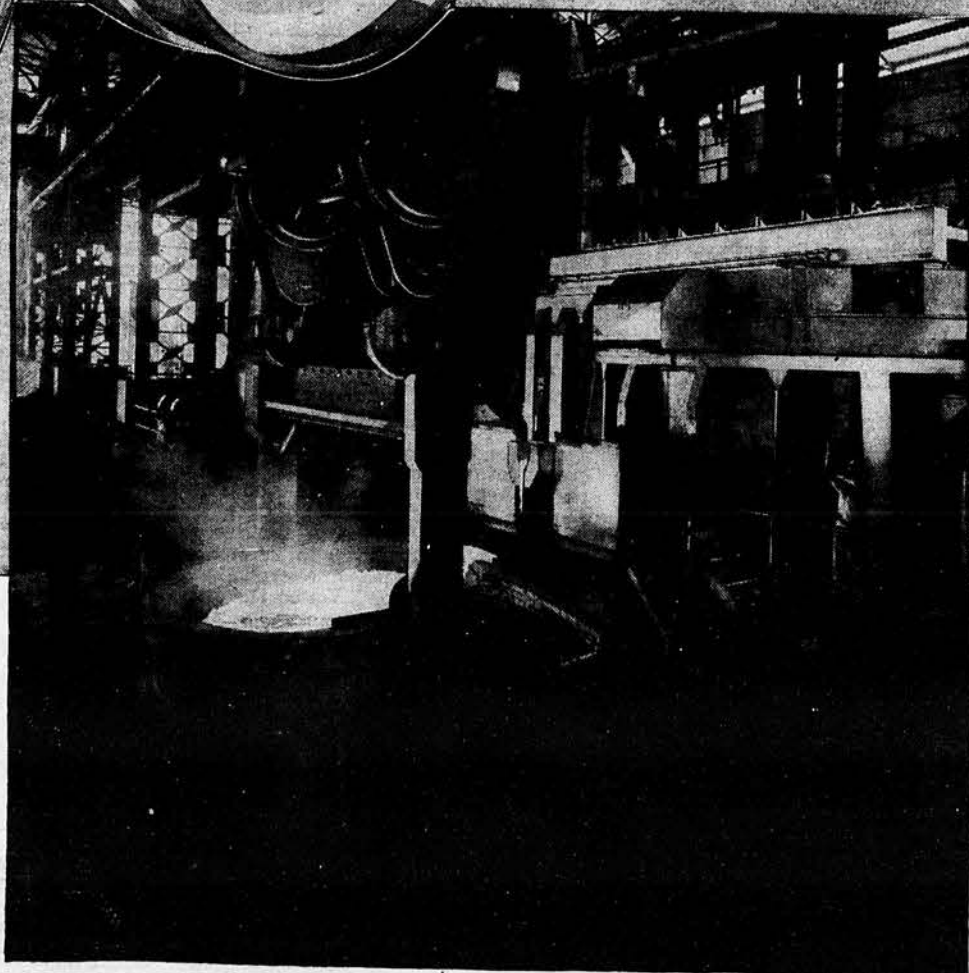
MORE steel—100 tons more steel every 5 hours. That is what the new electric furnace, pictured at the right, added in August to your at-home steel-making capacity.

Still another of these new, fast steel-making furnaces will be operating at year's end to double this capacity increase. Another blooming mill and auxiliary equipment will also be completed at Sheffield mills.

Yes Sheffield is doing more than its share to enable America to continue to use twice as much steel as all the rest of the world and keep on forging the highest level of better living the world has ever known.

In the past 10 years Sheffield has more than doubled your at-home steel-making capacity. In the same period of time, the steel industry as a whole has increased about one-fourth.

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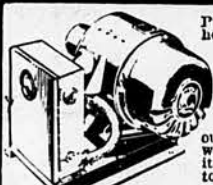
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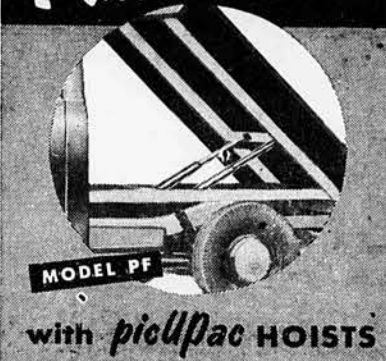
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Donna Goes to France

Remember, Kansas Farmer promised to bring you letters from our 2 Kansas 4-H'ers who are spending some time on European farms this year. Here is the sixth one from Donna Cowan, of Emporia, who has gone to France.



Donna Cowan

DEAR MR. GILKESON: Now I'm getting the chance to live the life of a French farm girl. My French sisters, Josette and Simone Meric, aged 21 and 22, and I in the past week have picked grapes and green beans, gone for a boat ride on the Mediterranean, have gone swimming in the warm sea, and cooked Bouillabaisse.

Picking grapes is no minor detail. The time of the "vendanges" here is as important as wheat harvest in Kansas. We worked 2 days in the vineyards. However, on many farms in this region where they grow more grapes, harvest lasts 2 weeks. Eleven of us carried the clipper-like shears for cutting huge bunches of heavy fruit, and buckets to put them in, down the rows of vines. Every time a bucket was filled, someone would come along with an empty one and carry the fruit to the trailer and jeep parked between two of the rows. When barrels on the jeep were full they were taken to the truck at the end of the field. Many French farmers use jeeps as pickup trucks. We stopped an hour for lunch, then back to work.

It's almost as hot as July in Kansas here in September. In the middle of the afternoon cold drinks were brought to the field. We already had plenty of grapejuice all around us, but grapes are so sweet they make one thirsty. Here bunches of grapes are called "grappes" but the individual fruit is a "raisin." There were big, pulpy, white grapes to gather as well as plump purple ones. At 6 p. m. we stopped picking and took the day's haul in the truck to the co-operative at the village of La Crau, about a mile away. There the grapes were weighed and tested for sugar content, then piped to big vats where they would stay 5 or 6 days. Monsieur Meric is president of the co-operative which is made up of about 300 farmers in this region. There are such co-operatives in about every village in the Var.

Took a Boat Ride

Josette, Simone and I went to Toulon one afternoon last week to visit the port. We rode out in a little boat and went on a tour of a couple of warships in the harbor. The plane carrier La Fayette, recently given to France by the United States, was anchored alongside ships we visited. Later the little boat took us farther out on the Mediterranean, and from the blue sea we could look back on the hilly coast of Toulon.

Bouillabaisse is a food specialty of Provence. It is made with a special red fish called "rascasse" that is found among rocks only in the Mediterranean sea. But they also cook other fish, crabs or eel with it as well as potatoes, garlic, a ripe tomato, some water and some salad oil. It's boiled 20 minutes and well seasoned with pepper, salt and saffron.

Monsieur Meric took a whole day this week to show me the coast all the way from here to the Italian border. He drove Josette, Simone and me (his 3 daughters) and some friends from a neighboring town, along the road that goes thru St. Raphael, Cannes, Nice, Monaco, Monte Carlo, and to Menton, just 3 kilometers from Italy. Almost all the way the blue Mediterranean is at one side of the road, and on the other side are the red Estorel mountains. We went swimming in the sea at Menton before lunch. There was some wind so we floated up and down on big waves, but the water was warm anyway. Coming back we stopped at Monaco to visit the Exotic Gardens, mostly made up of

all kinds of cactus. We descended into a big cave there and saw stalagmites and stalagmites. In Nice we walked thru the huge market place where flowers are sold outside under a big shed-like roof at least 2 blocks long.

This morning I went with the girls to the market at Toulon. Fresh oysters, crabs, fish were lined up on tables in the street and the sellers were loudly crying their wares. And the crowd was bargaining earnestly for food that after it is weighed and paid for is placed in a big straw basket. Long, unwrapped loaves of bread, fresh carrots, lemons and the wrapped fish are all put into the same colorful container the shopper carries from stall to stall in the market place. Farther down the street carrots, carnations, watermelons, ripe olives, ripe figs, grapes, peaches, green beans, everything imaginable is for sale.

But speaking of green beans, I'm learning the business from start to finish. Three afternoons this week I've helped pick beans in the patch of about 1/2 acre. About 12 people are working, including the 2 Meric brothers and 2 Meric sisters, picking the beans that are ready. By the time the field is covered once, the smaller beans have become big enough to pick, so we start all over again. These beans were planted about the middle of August. There are 2 crops annually, in spring and fall. This afternoon I picked one basket,

Kitchen Plan Leaflet

For those interested in a new or remodeled kitchen we suggest you order the leaflet, "A Step Saving U-Shaped Kitchen." Send 10 cents to Home Editor, Kansas Farmer, Topeka.

then went to see how the beans are packed. In the field small baskets are unloaded into big hampers on the trailer pulled by a jeep. These big hampers are then driven to the packing shed on the farm.

I rode down with the beans in the jeep, still wearing the big straw hat. Two women were sorting the green beans, and Julien, the brother who spent 6 months in the United States, explained to me how they are sold to the markets in Paris and Toulon. They are sorted as to size and the finer, tenderer ones are sold at a higher price. After watching the women sort a while I joined them and finally got almost 2 crates packed. By that time a truck had arrived and loaded the crate of green beans to take to the station and shipped by train to Paris. Most green beans are sold direct from farm to vegetable market.

The mistral wind was blowing yesterday. They say it is peculiar to Provence and that it comes from the mountains. Anyway it made it a little cooler, but today the sun shone hot in the clear, blue sky that is practically cloudless. The Meric family, the Mediterranean Mer and the Maure mountains make me very happy here, and I feel by living, working and playing with this French farm family, the main goal of the International Farm Youth Exchange project, understanding, is coming about.—Donna Cowan, Chez Mlle. Josette Meric, La Crau (Var), France.

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Yeager Feed & Grain Co.

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William's Chick & Turkey Hatchery

HUTCHINSON, Kellogg Bros.

KANSAS CITY

C. G. Barben, 14th & Merriam Blvd.

Bloomgarten Bros., 2502 N. 5th St.

Boulevard Market, 2905 S. W. Blvd.

Hugh Brougham, Victory Highway

& Nearman Rd.

Bud's Feed Store,

10th and Argentine Blvd.

Theo Busch, 1809 N. 5th

Dobson Feed & Poultry,

510 Kansas Ave.

Good News Feed, 706 S. W. Blvd.

Kansas Ave. Merc., 18th & Kansas

Kelley Feed Store,

2600 Metropolitan

Metz Store, 40th & Metropolitan

State Ave. Farm Store, 40th & State

Strumillo Groc., 16th & Pacific

Wood's Grocer, 700 Quindaro Blvd.

Wray Feed & Gas, 29th & Brown

KINGMAN, Morton Feed Store

KIOWA, O K Grain Co.

LAWRENCE, M. L. Schaeke,

623 W. 23rd

LEAVENWORTH, Foster Feed Store

LINWOOD, Reed's General Store

MERRIAM, Lintner Coal & Feed

Severin Feed Store

MOUND CITY, M & M Produce

MUNCIE, Edlund Feed & Hardware

OLATHE, Johnson Co. Produce

Olathe Hatchery

OTTAWA, South Main Produce

OVERLAND PARK

Jennings Coal & Feed

PAOLA, Sims Produce

PARKER, Lockhart Station

PRATT, Pratt Equity Exchange

PRESCOTT, Hume Produce

RICHLAND, Richland Elevator

RICHMOND, Richmond Produce

SEDGWICK, Behymer Hatchery

STANLEY, Boyd & Mozier

TONGANOXIE, Dale Rawlings

TOPEKA, Roderick Coal & Feed

919 E. 6th

WELLBORN, Wells Feed Store

WHITE CHURCH, White Church Feed

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O. O. Calkins, 455 N. West St.

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48 OF THIS FLOCK LAYS OVER 300 EGGS IN A YEAR

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AMAZING...

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THOUSANDS OF SUCCESSFUL POULTRYMEN HAVE PROVED THE DOLLAR AND CENTS POWER IN ALBERS EGG MAKER. **YOU** TOO CAN HELP YOURSELF TO GREATER POULTRY PROFITS

START FEEDING ALBERS EGG MAKER TODAY...YOUR LOCAL ALBERS FEED DEALER HAS IT!

(ABOVE) DR. MOORE WITH ONE OF HIS ALBERS-FED "300 EGGERS"

*ALL THE ABOVE RESULTS TAKEN FROM RECENT U.S. RECORD OF PERFORMANCE BREEDERS TEST. S.C. WHITE LEGHORN FLOCK OWNED BY DR. WALTER MOORE, HOLLYWOOD POULTRY FARMS, WOODINVILLE, WASHINGTON.



MAKE YOUR POULTRY PAY OFF WITH THIS TESTED AND PROVED ALBERS PLAN!

WRITE FOR YOUR FREE COPY OF "SUCCESS WITH POULTRY" AND LEARN "HOW" TODAY! LEARN MORE ABOUT EVERY PHASE OF BREEDING, FEEDING AND MANAGEMENT FROM MEN WHO "KNOW HOW" AT WORLD-FAMOUS ALBERS RESEARCH STATION

STOP IN ANY TIME, FOLKS!

EVERY FRIENDLY ALBERS DEALER LISTED HERE CAN HELP YOU MAKE MORE MONEY ON ANY KIND OF POULTRY OR LIVESTOCK. ASK HIM TODAY FOR COMPLETE INFORMATION ON ALBERS FEEDS.



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MM "R" Tractors Have Plenty of Reserve Power

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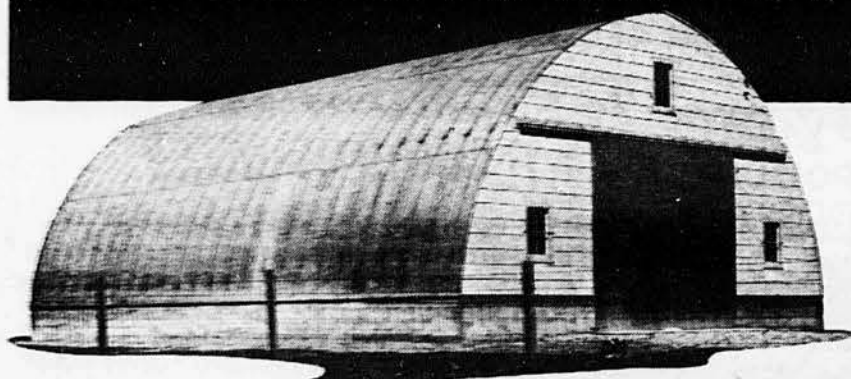
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Modern Miracle For All Found in Aureomycin

By STEPHEN B. BROMLEY

DISCOVERY, isolation and development of aureomycin, the "golden wonder" drug, is one of the most exciting stories in modern medical annals. Hero of this story is a former professor of botany, whose greatest discovery came after he was retired from teaching at the age of 70. Most men would be content to rest on their laurels after retirement, but not Dr. Benjamin Minge Duggar, an inquisitive man whose insatiable quest for new discoveries brought him to Lederle Laboratories Division of American Cyanamid Company, in 1943.

Before retirement, Doctor Duggar had established himself as one of the world's outstanding botanists, and was an internationally recognized authority on molds and fungi. Upon arriving at Lederle, he plunged into the never-ending research for newer and better antibiotic drugs for combating human and animal diseases. Discovery of penicillin had started the scientific world on this intensive search for a possible "cure-all" drug.

Hunted for Other Antibiotics

Penicillin was being produced by a large mold and Doctor Duggar wanted to search the smaller molds for other antibiotic drugs, so hundreds of soil samples were brought to him.

Into the picture then came teams of chemists, bacteriologists, pharmacologists and other specialists who are important in experimental medicine.

For 3 years, the scientists continued their untiring search, testing tens of thousands of cultures, experiencing disappointment, then starting over again.

Then one day, an interesting, golden-colored mold appeared. Could this be "it"? Could this be the end of all their tedious searching?

This new mold was labeled A-377, a rather unexciting designation, and test tube experiments were begun immediately. The results were absolutely amazing. This new mold very effectively prevented the growth of staphylococci, streptococci, and a variety of rod-shaped germs called bacilli.

This latter observation was the most important, for while other antibiotic drugs were effective against staph and strep germs, here was evidence that this new mold was producing an antibiotic which might have a wider range of action against infectious diseases in man and animals.

These results stimulated the Lederle team to increased activity. The next step was to see whether this new antibiotic, named aureomycin by Doctor Duggar, could be isolated in a relatively pure, active, and inexpensive form.

Proved It Could Be Done

Teamwork and patience, combined with modern equipment and the best technical skill available soon proved it was practical to isolate this new drug. Still more encouraging, early experiments showed it was not toxic to animals. Laboratory tests continued at a rapid rate and soon it was learned that aureomycin had an effective range of action, much greater than anyone had anticipated and very wide compared with other antibiotics.

It was then discovered that this new "golden wonder" drug was effective against bacteria, large viruses, and germs which cause typhus and typhus-like diseases.

Lederle scientists also learned aureomycin was effective when administered orally, eliminating the needle injection method usually used for penicillin.

With all this information in hand, the scientists then began world-wide clinical tests of the new antibiotic—and the results were startling! More and more uses for the drug were uncovered and documented. Paper after paper was written on the uses of this new antibiotic and the material became so profuse that Lederle had to establish a special section of its already immense library.

Meanwhile, Lederle's production experts were moving rapidly to determine whether this new antibiotic could be produced at a reasonable cost, for if it could not, all the efforts of the scientists would probably go for naught. Yet, they reported, aureomycin could be produced at a competitive price,

after new and very expensive equipment installations were made.

After more than a year of further tests, the scientists were ready to give the new drug their O.K. In 1948, 3 years after Doctor Duggar started his quest, the most versatile of all the antibiotic drugs was made available to doctors.

Since its availability, thousands of people all over the world have taken aureomycin for an enormous variety of infections. Today, aureomycin is indicated for many types of infection, including: appendiceal, brain, breast, lung and liver abscess; brucellosis, erysipelas, gonorrhea, influenza, oral infections, meningitis, sinusitis, scarlet fever, tonsillitis, all types of pneumonia, parrot fever, rat-bite fever, rabbit fever, Rocky Mountain spotted fever, and boils and carbuncles.

Aureomycin has proved especially effective against mixed infections following childbirth and is playing a large role in making childbirth safer.

Our animal population is coming in for its share of benefit from this wonderful new drug. It is the most effective agent yet discovered for combating mastitis, the dairyman's most costly disease, and is recommended for one of the hog raiser's most costly infections, enteritis.

Since aureomycin is produced by the fermentation process, there are large quantities of mash left. Lederle researchers, seeking a use of this by-product, discovered this mash, when processed, made a remarkable animal feed supplement that stimulates rapid growth in poultry and swine. This supplement is now being used by commercial feed manufacturers.

Despite all the wonderful progress that has been made in the last few years, the search for more effective antibiotic drugs for combating diseases goes on night and day.

How It Is Produced

Production of the "wonder" drugs is a delicate and expensive process. Hundreds of highly skilled workers watch the living mold from the time it leaves the test tube until the finished product is packaged and shipped.

In the first step of aureomycin production, living spores of *Streptomyces aureofaciens*, the microorganism which produces aureomycin, are suspended in sterile soil tubes and live there in a state of suspended animation for an indefinite time. As needed, spores are taken from these tubes and allowed to develop in other test tubes.

The resulting growth is washed into a small flask containing the proper nutrient material. As it grows, it is transferred to a larger bottle and finally into the so-called "seed" tanks. The mold continues to grow in the seed tanks, and from there it is piped into the main fermentation tanks, some of which are 5 stories high. All during these operations sterile technique is absolutely required. The main fermenters are charged with media which is based on corn steep liquor, sugar, and minerals. The mixture is aerated and agitated at a constant temperature, and as the mold grows, it produces aureomycin as a product of its growth. The aureomycin is then dissolved away from the mold. It is extracted into solvent, crystallized, and recrystallized. Then it is dried, ground, and assayed.

At this point, in the form of a golden powder, it is sent to the pharmaceutical department for packaging into various forms, such as capsules, powder, liquid for injection, troches, ointment, dental cones and paste, and eye and ear drops.

The remaining mash, which still contains traces of aureomycin, is then processed to make the animal feed supplement known as Aureofac. The mash is dried, ground, and additional aureomycin is added, if necessary, to make the supplement contain the guaranteed amount of the drug, 1.8 grams per pound. In addition, the vitamin B₁₂ content of the supplement is checked to make certain it contains at least 1.8 milligrams per pound of the growth vitamin.

NEXT ISSUE: The November 3, 1951, issue of *Kansas Farmer* will bring you another article about the "golden wonder" drug by Mr. Bromley. It will show how aureomycin opens up new fields in livestock feed.

"Until Dinner Is Ready"

Fertilizer: Indians were among earliest humans to use fertilizers to increase crop yields when they added fish to old ground. They also used manure and some coastal tribes used sea shells.

Thousand a Day: Telephones in rural areas have been added at the rate of 1,000 every working day, according to Bell Telephone System.

First Century Is Hardest: America's Cheese Centennial was held June 2 in Rome, N. Y. The event paid tribute to Jesse Williams, who near Rome in 1851, established the factory system of cheese manufacturing in the United States.

They Started It: The Kansas Agricultural Society (forerunner of the State Board of Agriculture) directed the earliest state fairs. The first one was held October 6 to 9, 1863, at Leavenworth.

More and More Milk: In every month since mid-1948, production of milk per cow in the United States has set a new record.

A Tasty Favorite: Each year, United States citizens consume 2 1/4 billion quarts of ice cream!

Have a Cup of Coffee: Since end of World War II, world consumption of coffee has outrun production, says the Pan-American Coffee Bureau. Demand has been met only by drawing on Brazil's accumulated government

stocks. World imports in 1949 were nearly 5.5 per cent above 1948, while the crop was 5 per cent below the preceding year.

Wanted, Twins: U. S. Department of Agriculture is looking for purebred or high-grade identical twin Holstein heifer calves to be used in dairy nutrition studies. A reasonable price will be paid for them. Write E. C. Leffel, Bureau of Dairy Industry, USDA, Beltsville, Md.

The "Down Under" Country: At Geelong, Victoria, Australia, the International Harvester Company's new tractor works are now operating at full capacity. More than 300 tractors a month are coming off its production lines, says Implement & Tractor magazine.

Monthly Meetings: Japan now has 8,700 rural youth clubs with 970,000 members, mostly aged 16 to 25. The young farmers meet once or twice monthly with Japanese county agents to study new farm techniques and help improve farm living.

Oldest Corn in Midwest: Some 800-year-old corn kernels were found recently in Illinois, probably the earliest find of corn in the Midwest. The corn was found in a trash heap of an ancient Indian village site. The kernels were mixed in with broken pottery, stone spear points and knives, and other items that definitely dated the find.

To Market, to Market: Of livestock receipts at stockyards, 72 per cent are hauled by truck, says the Automobile Manufacturers Association.

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You Get
So Much More
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Buy a Nash!



Airliner Reclining Seat that everyone calls the greatest comfort feature ever—adjustable to five positions.



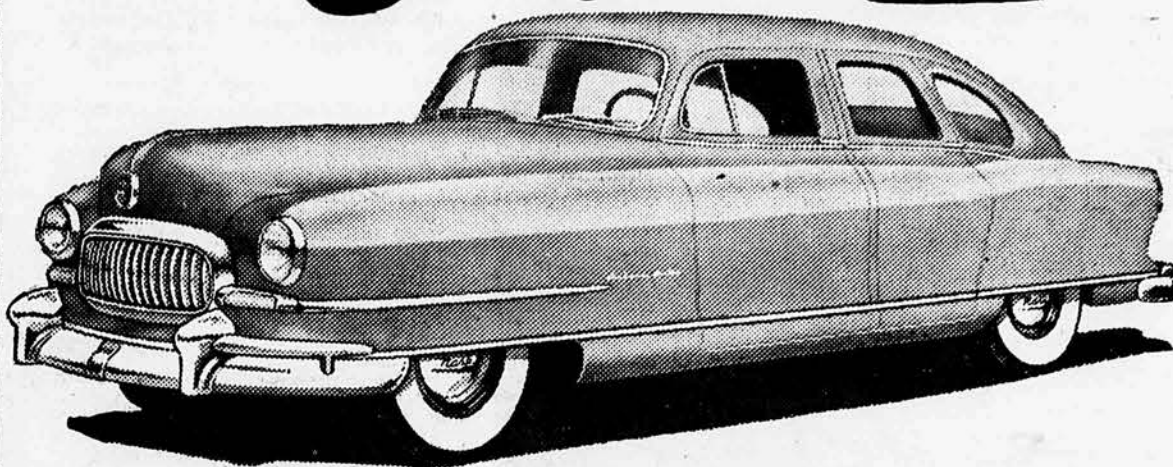
World's Only Weather Eye Conditioned Air System keeps the air ever-fresh. Automatic heating and ventilation.



Rattleproof Airflyte Construction—body and massive frame welded into a double-rigid unit that stays new years longer.

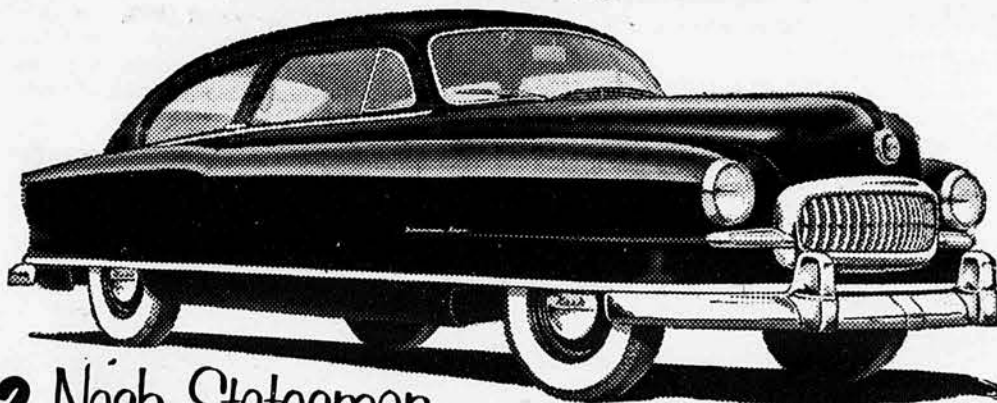


Jetfire Engine that powers the Ambassador is setting the pace everywhere—in stock car races and economy runs.



1. Nash Ambassador

For those who never buy less than the finest, Nash presents the distinguished Ambassador—most modern of America's fine cars. Its Jetfire engine challenges all others. Try it with Hydra-Matic Drive or Automatic Overdrive.



2. Nash Statesman

Get the biggest car value—the popular Nash Statesman—largest car at anywhere near its price—the only one in its class with coil springs on all four wheels, Hydra-Matic Drive optional.

3. Nash Rambler COUNTRY CLUB



So smart and swanky, it's hard to believe this luxury "hardtop" sedan is priced so low. \$300 of custom accessories at no extra cost. See the Convertible, Station Wagon, and Suburban, too.



SEE YOUR NEARBY
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Plowing is Heavy Duty Work!



Heavy Duty Work calls for Heavy Duty Motor Oil!

Tractors have to do heavy duty work—hard field work for hours on end. Breakdowns are costly in time as well as money. That's why you need the extra protective ability of Phillips 66 Heavy Duty Premium Motor Oil.

This fine motor oil keeps tractors on the job—out of the shop. And what it can do for

tractors, it can do for trucks and cars. In fact, it saves you money three ways: in low maintenance cost, fewer engine overhauls, less fuel consumption.

Take advantage of Phillips 66 Heavy Duty Premium Motor Oil—use it in all your farm equipment. Ask your Phillips 66 Tank Truck Driver about it.

LOW OIL CONSUMPTION? Yes!

Phillips 66 Heavy Duty Premium Motor Oil resists decomposition—keeps oil control rings free. Fewer make-up quarts are needed over long hours of operation.

BEARING PROTECTION? Yes!

Acids are neutralized—protecting bearing surfaces from pitting.

CLEANING ABILITY? Yes! And a

clean engine means more power—less gasoline consumption.

WEAR PREVENTION? Yes! It

keeps corrosion and friction wear from harming your engine—guards piston rings and cylinder walls.



Listen to Rex Allen and the Sons of the Pioneers every Monday night over C.B.S.



GET NEW,
IMPROVED **"Lubri-tection"**

Thoughts TO LIVE BY

Enthusiasm

WITHOUT enthusiasm, living becomes merely existing. Enthusiasm is characteristic of youth. It is noticeably, but not necessarily, absent from old age. With enthusiasm, life has zest. Without it, life is monotonously flat. Enthusiasm is primarily religious. Etymologically, it means in God. To be enthused is to be carried away, to be in Christ according to Paul's phrase. This presents the emotional nature of religion which can easily be carried to a ridiculous extreme. It was against such frenzied zeal the Quaker poet Whittier addressed "The Brewing of Soma." After describing the superstitious ritual of fanatic pagans, he prays:

*Dear Lord and Father of mankind,
Forgive our feverish ways;
Reclothe us in our rightful mind;
In purer lives thy service find,
In deeper reverence, praise.*

*Drop thy still dews of quietness,
Till all our strivings cease;
Take from our souls the strain and stress,
And let our ordered lives confess
The beauty of thy peace.*

His poem, however, was but a half-truth, for Whittier was a deeply religious man whose emotional life was conditioned and disciplined by his faith. Like the man who recognizes and rejects counterfeit coins while gladly receiving good money, he exposed superstitious excess while accepting religious reality.

In recent years, our emotions have been analyzed. The psychologist can tell us why the devotee acts as he does. As a result, many men of faith

have become self-conscious. They have tried to exalt the rational in religion and divorce it from feelings. People have unashamedly patronized the theater to be moved emotionally who are ill at ease if a bit of emotion appears in a church service. How can it be kept out? Religion is primarily friendship with God, and friendship is emotional, not rational.

A certain man shouted "Amen" in a cold and formal church service. The minister explained that worshippers did not interrupt the service in that way in this particular church. The man replied, "I can't help it, I have religion." To which the minister responded, "Well, you didn't get it here."

Without approving the indecorum, it is possible to recognize the frightening truth in the minister's response. For there isn't much religion that can get into a man unless it gets into his emotions. Someone has well said, "It doesn't take much of a man to be a Christian, but it takes all there is of him."

The altar and its fixtures have a deep meaning for Roman Catholics; kissing the Torah is deeply moving to devout Jews; singing the great hymns has an emotional appeal for Protestants. Perhaps we can acceptably state the position of the major faiths by saying that it isn't nearly as important for a man to have a religion as it is for religion to have a man. He who possesses a faith, puts it on or takes it off like a coat, will find it to be a burden bringing little satisfaction. But he who is possessed by a vital faith will find it to be iron in his blood generating health and producing joy.

—Larry Schwarz

4-H's Promote Highway Safety



PRETTY green and white signs, erected the last few weeks at every major incoming highway entrance in Jefferson county, were designed and set up by the Jefferson County 4-H Council with the aid of the County Agent, Roger Colby.

In 1951, Jefferson county has had 26 major automobile accidents reported at the sheriff's office and an estimated 15 more which were handled by the state highway patrol. The 4-H's of Jefferson county realized the potential danger of the heavy traffic thru the county and set about to promote highway safety. They hope every person entering Jefferson county will "read and heed" the safety slogan, "DRIVE CAREFULLY, ENJOY LIFE."

IOWA
Report No. 6683

"I haul feed, pigs or cattle for under 2¢ a mile!"

—says Robert E. Perkins,
Stockman, Bedford, Iowa

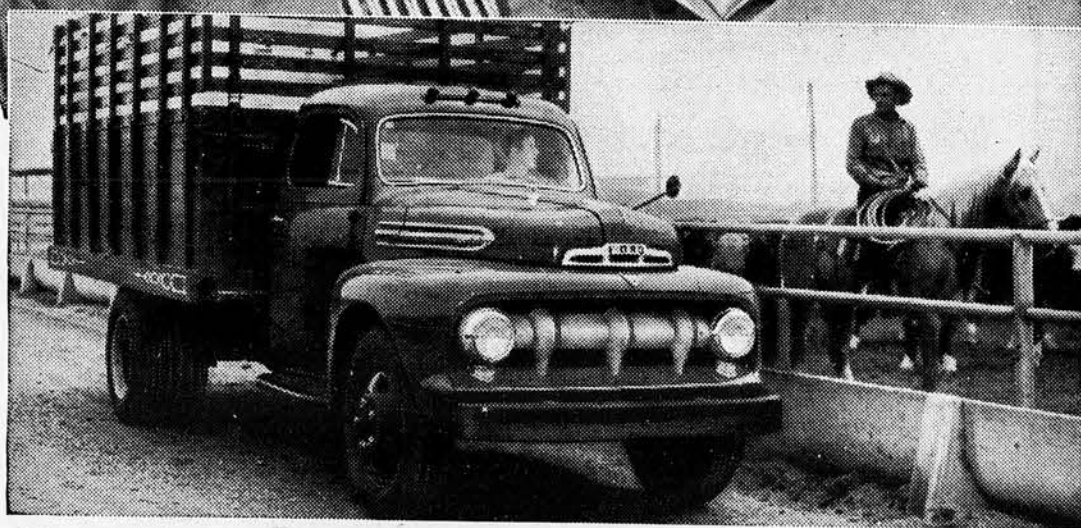


"My Ford truck cost little to buy, little to run, little to keep running," says R. E. Perkins. "Also, I get the power I need when I need it—on all kinds of roads!"

Bob Perkins was one of over 5,500 truck owners who entered Ford's nationwide Economy Run. He says:

"During the 6-month Run my 1950 Ford F-1 Pickup traveled 8,154 miles with many stops each day. Yet the total amount for gas, oil, maintenance (with no repairs) came to only \$154.29. That's a running cost of only 1.89 cents a mile."

Like others who rely on Ford for low running costs, Mr. Perkins is sold on the money-saving service he got from his Ford Dealer. For more facts on the trucks that last longer and save you money every mile—mail the attached coupon.

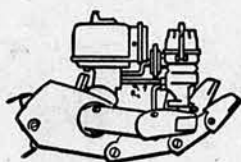


The '51 F-5 Ford with special stock rack is also a favorite of many stockmen. It is available with the 5-STAR Cab or, at added cost, the 5-STAR EXTRA Cab for more efficient driving and convenience. Big total gross

weight rating—up to 14,000 lbs. Single-speed or (at added cost) 2-speed rear axles with wide range of ratios for operating flexibility. Ford builds over 180 models. Your choice of V-8 or Six-cylinder engines.

Availability of equipment, accessories and trim as illustrated is dependent on material supply conditions.

POWER PILOT HELPS STOCKMEN HOLD DOWN HAULING COSTS.



The Ford Truck Power Pilot is a simpler, fully proven way of getting the most power from the least gas. It 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.

FORD TRUCKING COSTS LESS because—FORD TRUCKS LAST LONGER!

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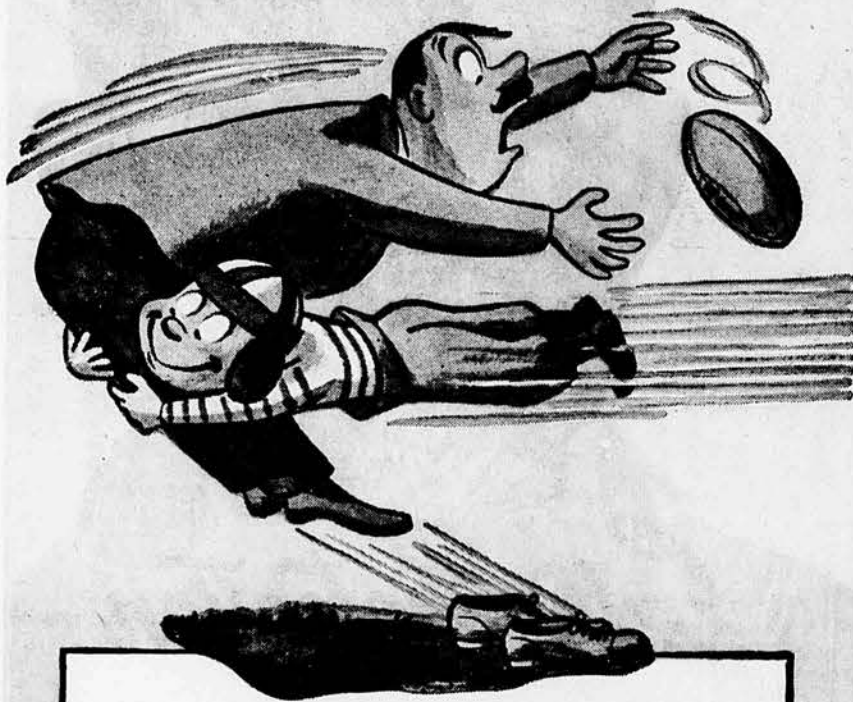
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He's feeling his CHEERIOS...

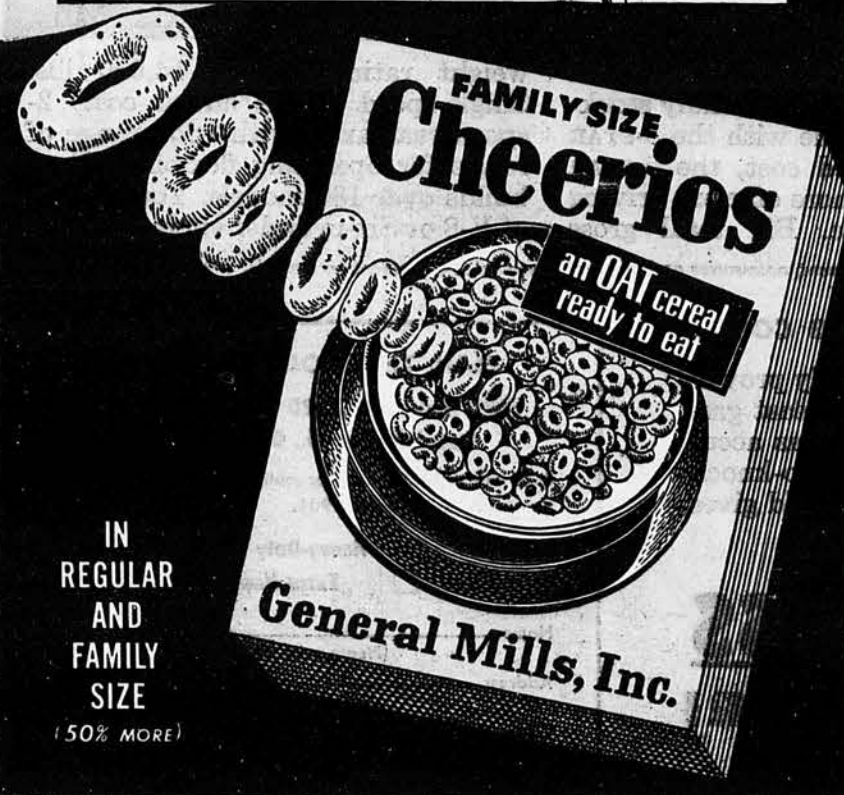


-the OAT CEREAL that
needs No Cooking!

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Yes ...a ready-to-eat OAT CEREAL
with a whale of a lot of GO power!

Look how that good grain—oats—has been modernized. It's Cheerios, made from oats in ready to eat form. So easy to serve. Just pour out heaping bowls of Cheerios...it's the only cereal shaped like little doughnuts...the only famous oat cereal that needs no cooking. Extra delicious, too, with a wonderful fresh toasted oat flavor. Get the large FAMILY SIZE. Contains 50% more Cheerios!



Warren Goes to Switzerland



NATIVE GIRLS in their costumes of their cantons. They all have rosy cheeks, natural beauty.

Remember, Kansas Farmer promised to bring you letters from our 2 Kansas 4-H'ers who are spending some time on European farms this year. Here is the seventh one from Warren Prawl, of Severyance, who has gone to Switzerland.

DEAR MR. GILKESON: After spending five days visiting friends it is nice to be "back home" on the farm. A little explanation. Pierre de Severy, a young man who was an exchangee from Switzerland to the U. S. last year, invited 4 IFYE's to his home near Lausanne. While there we visited the Swiss Comptoir, an exhibition of agricultural products made in Switzerland. Everything from tractors to linen made in the mountain homes during winter were on display and for sale. It was really a grand and glorious exhibition. The guest country was Morocco, Africa, and their exhibition also was very interesting.

Enclosed is a picture of a Simmental breeding bull, red and white spotted. He looks more like a bull for beef breeding but the Simmentals are for milk. Also they use them for work and meat, a 3-purpose animal. This is a picture of one of the best bulls at the annual show in Thun. Here they classify the animals on a basis of 100 points including production and type. The mature bulls at this show were not for sale or for showing but for reference. A buyer would always look at the sire of an animal he was buying before the purchase.

The animals here in Switzerland do not make exceptional records but when you consider the triple purpose for which they were bred one will understand. Here is a record of a very good mature Simmental cow: Milk, 12,692 pounds; butterfat, 4.6 per cent; pounds fat, 584.

The other picture is of native girls in their costumes of their cantons. I cannot tell you exactly which canton belongs to which girl but that makes no difference. These are very simple costumes compared to some I have seen.

The girls here are very pretty, all

with rosy cheeks and no cosmetics, natural beauty. Women here are larger than American women, because they have worked in the fields, but very courteous and nice.

Women do not have much to say in Switzerland for the men rule supreme. I have had many people tell me American men are weak, for the women are always telling them what to do, but I tell them not to believe it.

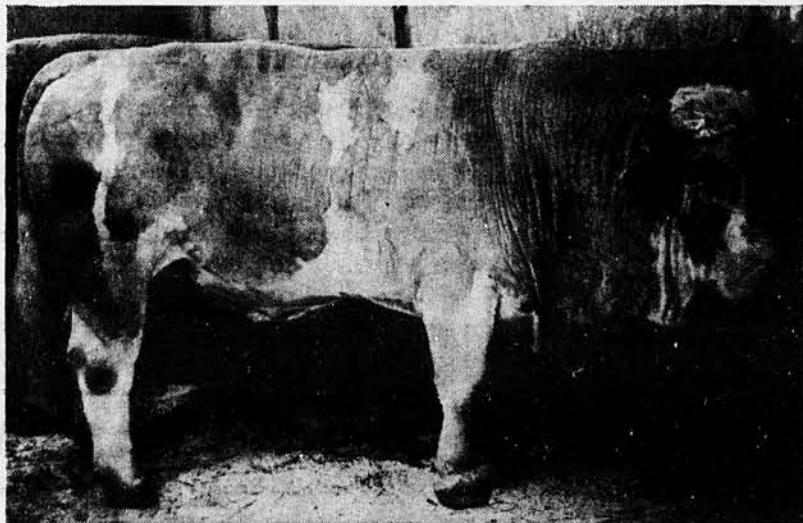
The women take care of the house, children (larger families than in the U. S.) and a very large garden from which they can get everything. Meals are not so elaborate or consist of very many different dishes, usually only 2 so that does not take long. The washing is done only once in 2 or 3 weeks. Of course, the essential items call for a wash more often. When washday does roll around it takes 2 big days usually. To get the dirt out the clothes are put in boiling water. I don't know how long but at least an hour. After boiling they go to the old-fashioned scrubboard. A washing machine is a luxury here.

The history of Bally Farm is quite interesting. When Arthur Bally started the Bally Shoe Factory 100 years ago, farmers left the land as wages in the factory were much better. Mr. Bally did not like this idle land so as people left he bought their land. Today the Bally Farm consists of 150 hectares scattered all over in a radius of 3 or 4 miles. The factory and the farm are owned by many people and a farm owned co-operatively is not new but odd in this situation. The tie-in between factory and farm is very close. A farm hand may be digging potatoes one day and hauling Bally shoes the next.

There is a herd of 80 Brown Swiss here, milking 40 and about 200 head of hogs in the swine stalls. Both are very well managed with good stock and from observation I would say are very profitable.

After living and working in Switzerland almost 3 months now I would say farming style cannot be modernized

(Continued on Page 19)



SIMMENTAL bull, red and white spotted. He looks more like an animal for beef breeding but the Simmentals are for milk. Also used for work and meat.



Warren Prawl

very much for several reasons: 1. Some of the peasants have so very little money. 2. Fields are so small machinery cannot move around. In America we can afford to have a turn row of 20 feet that is the same as 2 feet here.

3. The terrain is so rough. 4. Soil is very rocky. 5. Cultivation is so intensive there is no space for machinery to operate. Corn rows here are 2 feet apart, hardly room for a horse.

Yields are so very good because of use of liquid manure and because of the large amount of manure available. Every farmer owning 30 or 40 acres has a milking herd of 10 or more cows. Agriculture here is not specialized, farms are practically independent as far as food raising goes.

I have never had any experience with sugar beets and have not yet even studied about them in school. Sugar beets are the best cash crop the Swiss farmer can raise. I was asked many questions about them and I am sorry I could not answer. One thing I am quite sure—26½ tons of beets (not including tops) from one acre is a tremendous yield. This is above the average here also for it is a good crop. For this they receive 7 francs for 100 kilos or \$1.61 for 220 pounds. I will let you Kansas sugar beet growers compare yield and price. Even at this it is cheaper to import sugar than to raise it. Another thing, there are only 2 processing plants in Switzerland and in 1947 only 13,700 acres were raised. Farming on a small scale.

—Warren Prawl,
Schoenwerd (Aargau).

"We Must Help Them Walk"

By J. M. PARKS



"Winter" by Ranulph Bye

IT WAS at the close of Christmas Day, 1920, when Arthur Capper said, "We must do more for these unfortunate little ones—these crippled children—than just give them toys and candy. We must get them out of wheel chairs. We must help them walk!"

That was the beginning of The Capper Foundation for Crippled Children. In the 31 years that have passed, several thousand handicapped children in the Midwest have been given a brighter outlook on life thru the remedial aid provided by the foundation.

This year for the first time friends of the foundation may help celebrate its birthday by using decorative stamps bearing the name "Capper Foundation."

The stamps are unusually attractive, having been made from a painting by the well-known landscape painter, Ranulph Bye, of Holicong, Pa. One of Mr. Bye's paintings was among the most popular of the 300 pictures submitted for last year's art auction for crippled children.

Of course, the practice of distributing stamps or seals in connection with raising funds for a worthy cause is one that is well-known. As far back as the Civil War, charity stamps were sold. Nearly a million dollars raised in that way helped give relief to families made needy by the ravages of war.

Use of Christmas stamps originated in Denmark. In 1903 a Danish mail clerk, Einar Holboell, conceived the idea of selling Christmas stamps to help the fight against tuberculosis. The thought came to him as he handled gay greeting cards along with drab packages and plain envelopes. Each of these, he

reasoned, would soon be delivered at some door. "Why not," he asked himself, "add a ray of cheer to all of these households by attaching bits of bright color to the dull parcels?" The token would further proclaim goodwill in the knowledge that the sender was helping to combat the dread disease.

The mail clerk's idea was so good the King of Denmark approved it, and the following year the sale of Christmas stamps brought in a sizable sum to help fight tuberculosis.

An envelope bearing one of these stamps found its way to America. Emily Bissell, of Wilmington, Del., who had learned about the good results from selling stamps in Denmark, promoted the sale of \$3,000 worth of stamps in the interest of a local campaign against TB. For several years following, stamp sales were sponsored by the American Red Cross.

Other organizations adopted similar plans. Hundreds of different types of decorative stamps have been used in various parts of the world. Austria alone has put out 40 kinds of stamps to

Home-Talent Play

"Grandmother's Patchwork Quilt" is a popular play. Grandmother does all the speaking part and the rest is pantomime. Easy to present, little stage setting. Address Entertainment Editor, Kansas Farmer, Topeka, and enclose 6c for each copy.

raise funds for crippled children hospitals, and several American organizations have stamp sales at some time in the year.

Use of Capper Foundation stamps is intended in no way to compete with other campaigns to raise funds. It is being initiated at the suggestion of persons who regularly contribute to the foundation, and who would like to use its stamps along with those put out by other organizations. For 30 years these friends of crippled children have added to the fund with their Thanksgiving and Christmas contributions.

The stamps will be mailed out in sheets of 100 each, unless otherwise requested. Each person who makes a cash contribution is entitled to at least one sheet. The stamps showing the quiet winter landscape in perfectly matched colors cannot be surpassed in loveliness. You will take pride in your letters and parcels when they are dressed up in Capper Foundation Anniversary stamps.

If you have not received a sheet of these stamps by the first of November, send a postcard to The Capper Foundation for Crippled Children, Capper Building, Topeka, Kan., and say, "Send me a sheet of anniversary stamps at once. I shall make my cash contribution to the crippled children fund some time before Christmas."

For Outdoor Party

If you have never eaten barbecued chicken, you should try it. It's delicious! And if you are having an outdoor party we can have Professor Avery's plan sent to you giving details on menus, food and equipment needed for groups of 10 to 500. Address Service Editor, Kansas Farmer, Topeka, and ask for the barbecued chicken leaflet. It is free.



Extra Protection



Give it to farm machinery engines with HI-V-I motor oil! HI-V-I cleanses engines of sludge-forming particles; resists oxidation, thus retarding corrosion and fights friction with an anti-friction additive. HI-V-I cuts consumption because of its extreme stability at all speeds. Try Champlin HI-V-I!

HIGH
VISCOSITY
INDEX

A PRODUCT OF
CHAMPLIN REFINING COMPANY
ENID, OKLAHOMA



Our forefathers made us a gift of Freedom, 175 years ago, when they signed the Declaration of Independence. Let's all Work, Save, Vote and Pray to protect Freedom in America!

NOW -- FREEDOM NEEDS YOU!

If You Own a Forage Harvester

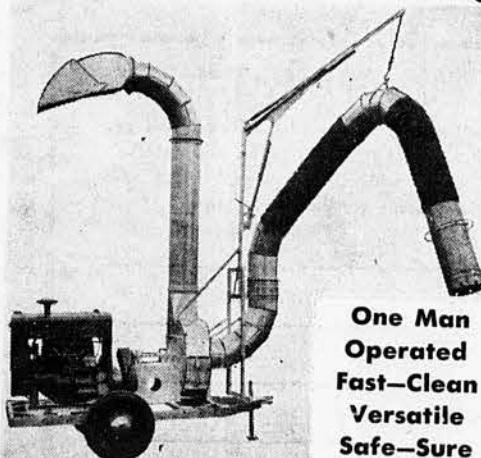
You Need a Pieck Blower

The Pieck Vacuum Blower is an ideal unloading device for anyone who owns a field-chopper, for hay, wet or dry, straw and for corn silage. Its capacity is ample for any forage harvester on the market.

The blower can be used with ordinary farm wagons or trucks. It is a one-man operation. The Pieck Blower eliminates wagon conveyors and dump systems, shoveling, raking and choked feed tables.

It is all but impossible to plug the pipe of the Pieck Blower. There is no feed table to back to or lift out of the way—just drive under the tube and start to unload.

Available with belt pulley for 3-plow tractor or motor mounting.



One Man
Operated
Fast—Clean
Versatile
Safe—Sure

KUCKELMAN IMPLEMENT CO. Seneca, Kansas

Proven Machine
That Unloads
by Vacuum



Dress shown is
Simplicity No. 2708
from "Needle Magic
with Cotton Bags."

Ladies Love...

the "Cotton 50"

FIFTY POUND COTTON FEED BAG

It's NEW! It's Light! It's Your Best Feed Buy!

It's ever-so-light! You'll find the new "Cotton 50" feed bag easy to handle, lift or pour. It's light in weight but extra strong . . . easy to get hold of, stack or carry.

It keeps feed in perfect condition! The useful cotton material used for the "Cotton 50" lets air circulate through the feed . . . keeps it fresh and in good condition.

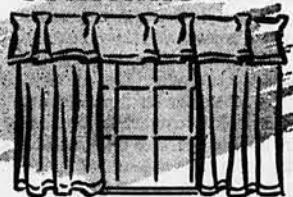
NO WASTE! It's the most usable bag yet! There's a yard of quality cotton material in every "Cotton 50" bag! It has no end of uses — for curtains, luncheon sets, pinafores, handkerchiefs and many other sewing needs — and for household handies, such as strainer cloths, dusting or polishing cloths and tea towels. Next time you buy feed, make sure it's packed in the wonderful new "Cotton 50" Bag!

**A YARD OF USEFUL MATERIAL
IN EVERY "COTTON 50" BAG**

TEA TOWELS



CURTAINS



POLISHING CLOTHS



APRONS



LUNCHEON SETS



STRAINER CLOTHS



HUNDREDS OF SEWING IDEAS WITH COTTON BAGS

FREE! Send your name and address with the name of the feed brand you use to National Cotton Council, Box 76, Memphis 1, Tenn., and get their beautiful new booklet, "Needle Magic with Cotton Bags." Filled with sewing ideas for users of cotton bags. Write for your copy today.

Name _____

Address _____

City _____

Feed Brand _____
Kt

News to You?

Angel food and sponge cakes keep better in the home freezer than cakes containing fat. Baked angel food keeps well as long as a year, if carefully wrapped and sealed, and sponge cake 7 months, according to recent tests.

To get clothes really clean in hard water it is necessary to soften the rinse water as well as wash water. Clothes carry enough soap into rinse water to form a soap curd or scum and eventually become grayish.

Slow heating results if your teakettle is covered with an alkaline deposit. Use sal soda or trisodium phosphate in water. Heat until the layer cracks away. Or soak in a vinegar solution with a bit of salt added.

Names run in cycles of popularity. A new favorite for girls which climbed to No. 1 position for the first time is Linda. Surprisingly enough William or Bill is still tops for baby boys. Donald is down in the poetry ranks with Lucille.

There is no such thing as an all-purpose flower container or vase. A well-stocked kitchen shelf should include variety, tall ones, short ones, shallow ones. A tall vertical flower arrangement does not look well on the dining table, but it's wonderful for the grand piano or in front of a tall mirror.

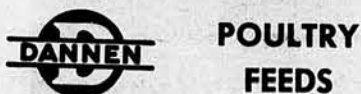
Ice cold milk to which a little frozen fruit juice concentrate is added, makes a delicious beverage for lunch, supper or between-meal snacks. Grape juice concentrate is particularly good.

These Feeds Are
Now Available At
Your Local Feed
Dealer in the New
"Cotton 50" Bag

**BLAIR'S CERTIFIED
18% LAYER**



**CONTINENTAL
ARROW FEEDS**



**DeFOREST'S
HI-GRADE FEEDS**



**INNES
MISSOURI
FEEDS**



**"The Key to
Successful
Feeding"**



**SCHREIBER'S
LASSY FEEDS**



**M.F.A.
QUALITY FEEDS**

**MID-WEST
FORMULA FEEDS**



**LAY-A-MEAL
SUPER CHARGE
PIG SLICK PELLETS**

PLUSH'S HOG SUPPLEMENT



**32% EGG
CONCENTRATE
CALF MEAL**



**"If Kelso's egg
mash won't make
'em lay, they're
roosters."**

Shellabarger

FORTIFIED LAY FEED



**EGG ALL MASH
ATOMS
EGG BALANCER
ATOMS
PULLET ATOMS**

**SUNFED
BOOSTER FEEDS**



**FARM FLOCK
RATION**

**TEICHGRAEBER'S
OLD GLORY FEEDS**

**UNION GOLD FEEDS
UNION STANDARD FEEDS**

**YOUNG'S "FRESH MADE"
FEEDS**

Also at your dealers, feeds by these and other leading mills in sheetings, cambrics, fancy prints and beautiful colors in both "Cotton 50" and 100 pound bags!

Sew-Easy for Fall



9046—Suspender-skirt and blouse for tiny tots. Sizes 2 to 10. Size 6 skirt takes 1½ yards 39-inch material; blouse, 1¼ yards 35-inch.

4655—Becoming with deep-wing cuffs. Sizes 12 to 20. Size 16 takes 4¾ yards 39-inch material.

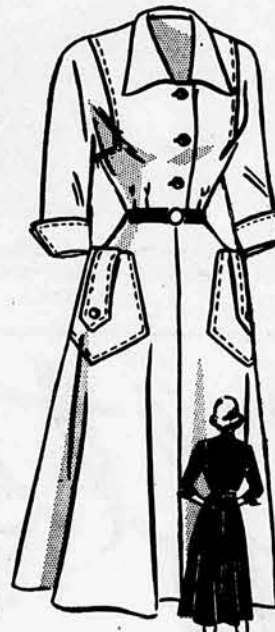
4855—Smooth-fitting dress with big-tabbed pockets. Sizes 12 to 20 and 30 to 42. Size 16 uses 4½ yards of 39-inch material.

4707—Slim and youthful in sizes 34 to 52. Size 36 takes 4¾ yards of 39-inch material.

9046
SIZES
2-10



4655 SIZES
12-20



4855 SIZES
12-20
30-42



4707 SIZES
34-52

9066—Versatile wrap-on can be used in many ways. Sizes small (10-12), medium (14-16), large (18-20). Medium size takes 2¼ yards 35-inch material.

4859—Fashion in 3 parts. Make at least two blouses for evening and day. Junior-Miss sizes 11 to 17. Size 13 jerkin, skirt take 2¼ yards 54-inch material; blouse, 1¼ yards 35-inch.



4859
SIZES
11-17



9066
SIZES
S., M., L.

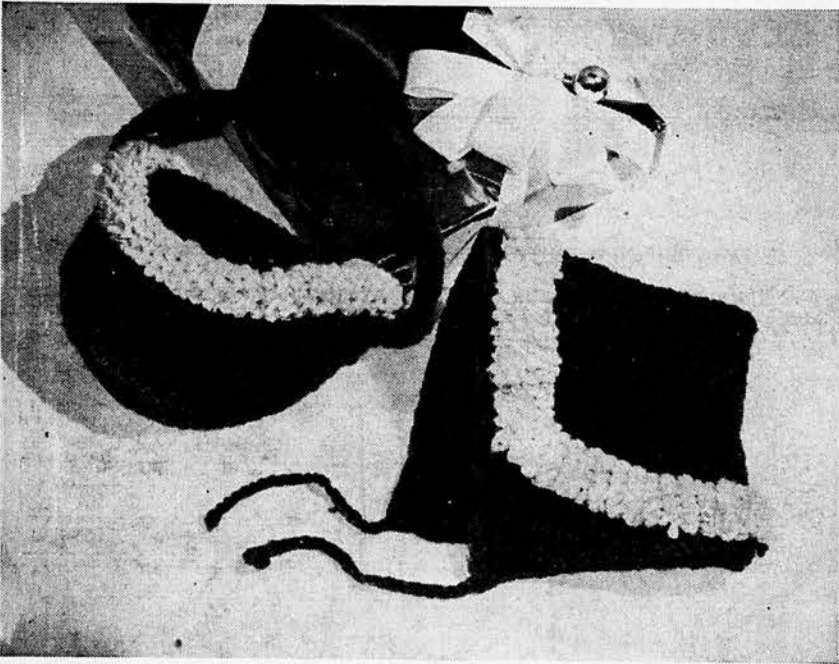
Pattern Numbers	Size	Name
		Route
		Town
		State

Send 30 cents for each pattern to the Fashion Editor, Kansas Farmer, Topeka. Use coupon above.



Kansas Farm Home and Family

FLORENCE MCKINNEY, Editor

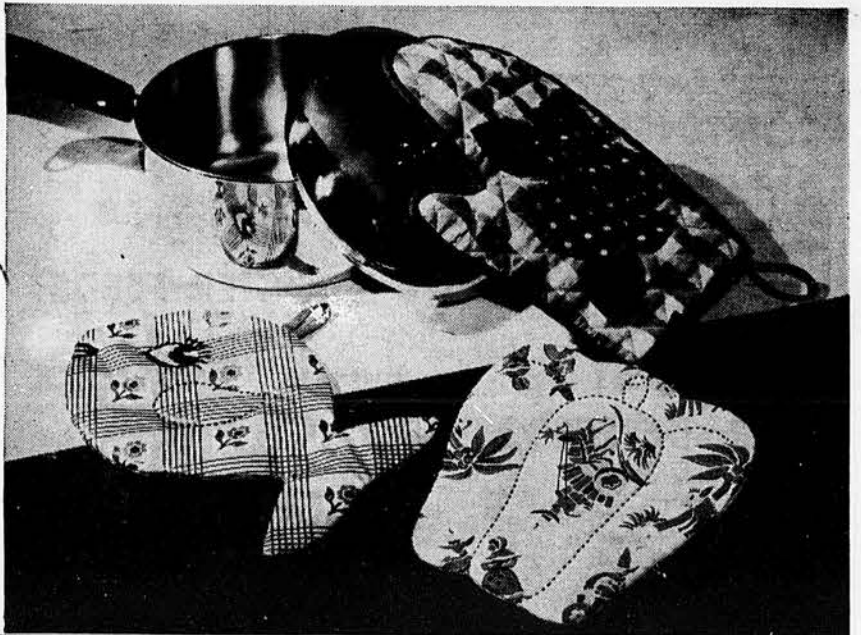


520—DRESS A TINY ONE in crocheted cap with purse to match. A straight piece in single crochet. Roll of loop stitches gives cap style. Pattern gives directions for both.



C-695—EASY-TO-CUDDLE TOYS for small-fry at Christmas. Made of 2 pieces plus ears and wings. Pattern includes transfer of 4 toys.

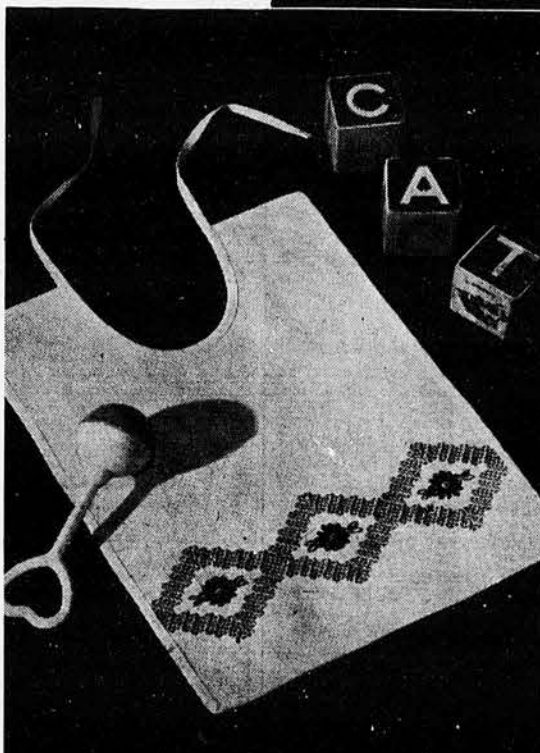
Gifts for Christmas



C-510—EVERY HOUSEWIFE NEEDS oven mitts, pot-holders and these are a bit unusual. Takes bright scraps and a little time. Pattern includes transfer for 4 holders and 2 mitts.



7398—PINEAPPLE DESIGN in big splashy pattern for oval and round matched doily set. Luncheon set of 4 or 6 is easy to crochet. Pattern gives complete directions.



687—WEAVE ON HUCK for lasting gifts. Use on shopping bags, curtains, aprons and dirndl skirts. Pattern includes 3 designs.



C-7341—DOLLY to make tiny tot happy on Christmas. Curls are straw yarn. Pattern includes transfers and clothes patterns for 15-inch doll.

Contest Opens See Rules and Awards

OUR second Kansas Farmer library-book, story-writing contest is now underway. Again it's for boys and girls in seventh and eighth grades. If you live on a farm and attend a rural school you are eligible. In this contest, the subject will be, "We Need More Books for Our School Library, Because . . ."

Last spring 7 schools received library books of their own selection and 7 boys and girls received cash prizes. Since then many rural schools have been flooded and need new library books more than ever before. We encourage boys and girls from these schools as well as all others to enter the contest.

Winners will choose books from a list prepared by Mrs. Ruth Gagliardo of the Kansas State Teachers Association.

Rules of Contest

1. Subject, "We Need More Books for Our School Library, Because . . ."
2. The story must not be longer than 300 words.
3. The farm must be at least 3 acres.
4. Winners of last year's contest are not eligible, but other students of the same schools are eligible.
5. The story must be the work of the seventh or eighth grader submitting it.
6. Story must be plainly written or typed.
7. The paper must be 8½ by 11 inches and written on one side only.
8. The teacher of a school will select the best one from those written, as only one entry from a school will be considered.

9. Send the story to Florence McKinney, Women's Editor, Kansas Farmer, Capper Publications, Topeka.

10. To be eligible for grading, all stories must be received in this office by December 1, 1951.

Awards to Be Given

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.

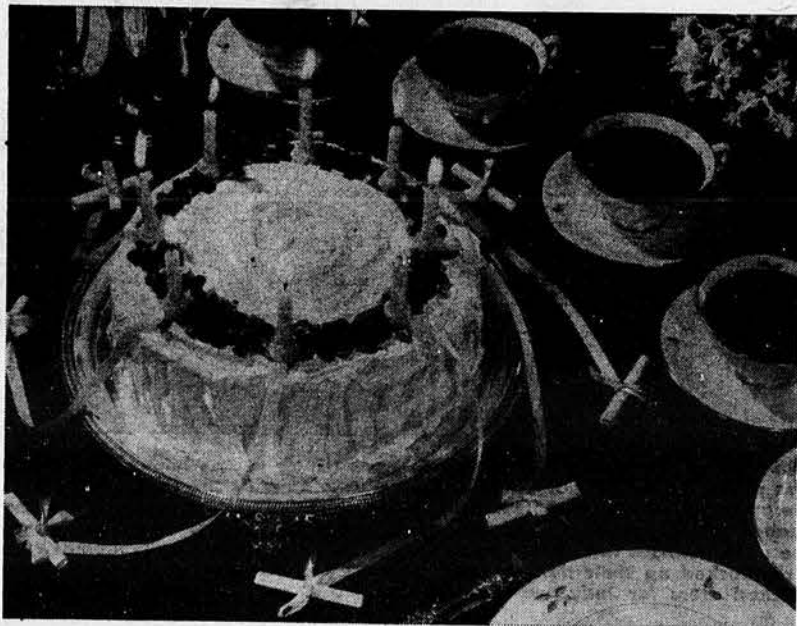
We may give additional prizes at the end of the contest judging, depending on the number of high-rating stories.

Valuable Reference

October is fire prevention month, but every month and every day of the year we should be cautious about fire. A supply of a recent circular has come to us from the Calcium Chloride Association. Water should be handy at all times for extinguishing fires and if calcium chloride is added to the water it provides added protection. Kansas Farmer's Bulletin Service can have a copy of this circular sent to you which has explicit instructions on how to use calcium chloride which every home should have. Please include 3c for postage when ordering.

A Candle for Each Guest

It's a New Idea for Birthdays



THERE are candles on the cake to be sure, not for the years but one for each guest at the birthday party. For fun, there's a little scroll with a bit of verse written on it or a fortune, hitched with dainty ribbons, one to each candle. There's a piece of cake, a candle and a fortune for everyone. Cut the cake and let the fortunes fall where they may.

To go with the cake and make the picture complete, fill the cups with steaming coffee and drink to the health of the guest of honor.

Birthday Cake

- | | |
|---------------------|---------------------------|
| 1 cup shortening | ½ teaspoon salt |
| 2 cups sugar | 3 teaspoons baking powder |
| 4 eggs, unbeaten | |
| 3 cups sifted flour | 1 cup milk |
| | 1 teaspoon vanilla |

Cream shortening and sugar. Add eggs one at a time, beating well after each addition. Sift flour, measure and sift with salt and baking powder. Combine milk and vanilla. Add flour mixture alternately with milk to egg mixture. Pour into 2 greased and floured 9-inch layer cake pans. Bake in a moderate oven (375° F.) for 35 to 40 minutes. Cool 5 minutes in the pans, then remove onto rack. Make pink

7-minute frosting with this recipe:

Seven-Minute Frosting

- | | |
|------------------------|-------------------------------|
| 2 egg whites, unbeaten | 5 tablespoons water |
| 1½ cups sugar | 1½ teaspoons light corn sirup |
| dash of salt | 1 teaspoon vanilla |
| | pink vegetable coloring |

Combine egg whites, sugar, salt, water and corn sirup in top of double boiler, mixing well. Place over rapidly boiling water, beat constantly with rotary beater (or at high speed with electric mixer) and cook 7 minutes, or until frosting will stand up in peaks.

Remove from boiling water, add vanilla and vegetable coloring to get desired shade of pink. Beat until thick enough to spread. Make enough frosting to cover tops and sides of two 9-inch layer cakes.

Combine 3 dried figs, chopped fine, ¼ cup seedless raisins, ¼ cup chopped dates, ¼ cup nuts, chopped, and ¼ cup maraschino cherries, chopped. Add half the fruit and nut mixture to one third of the frosting. Spread between the layers. Frost top and sides with the remaining plain pink frosting. Trim the cake with a circle or wreath of the remaining fruits and nuts. Decorate with candles.

Two Generations of Prize-Winning Cooks Take Honors at Iowa State Fair



"This Active Dry Yeast is so easy to use"

15-year-old Shirley Kintner and her mother, Mrs. S. H. Kintner, talk over their cooking triumphs at the Iowa State Fair. Mrs. Kintner entered her first state fair cooking contest 3 years ago and has been a top winner ever since. Shirley has taken top awards for the past 2 years!

Mrs. Kintner is relatively new to the ranks of prize-winning cooks. But she agrees with so many long-time champions when it comes to Fleischmann's Active Dry Yeast. "I like it!"

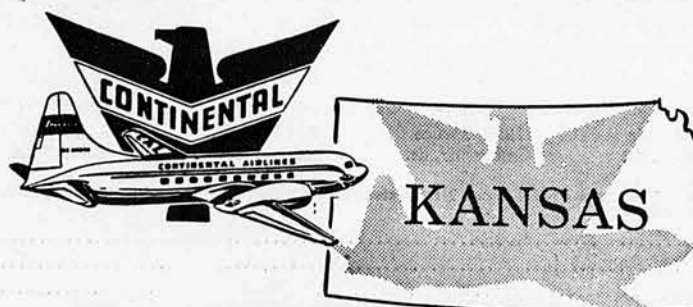
says Mrs. Kintner of Des Moines, Iowa. "This Active Dry Yeast rises in a hurry. And it's so easy to use!"

Who can resist delicious goodies made with yeast! Their rich, nourishing goodness will delight the whole family. When you bake at home, use yeast. And be sure to use the best—Fleischmann's Active Dry Yeast. It's so fast—fast-rising, fast-dissolving! So easy to use! Get several packages of Fleischmann's Active Dry Yeast today—you'll be glad you did.

Read the Ads in This Issue

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

CONTINENTAL AIR LINES BLANKETS KANSAS



from **FARM** or **RANCH**
to **MARKET** or **VACATION**
in 1/5 the time or less!

Continental offers time-saving service in luxurious 300 m.p.h. Convair Liners or Douglas DC-3s.

**KANSAS CITY • TOPEKA • DENVER • TULSA •
GREAT BEND • WICHITA • SALINA •
HUTCHINSON • DODGE CITY • GARDEN CITY**

Direct Connections to Cities Everywhere

CONTINENTAL AIR LINES
FLY AND SHIP *The Blue Skyway*

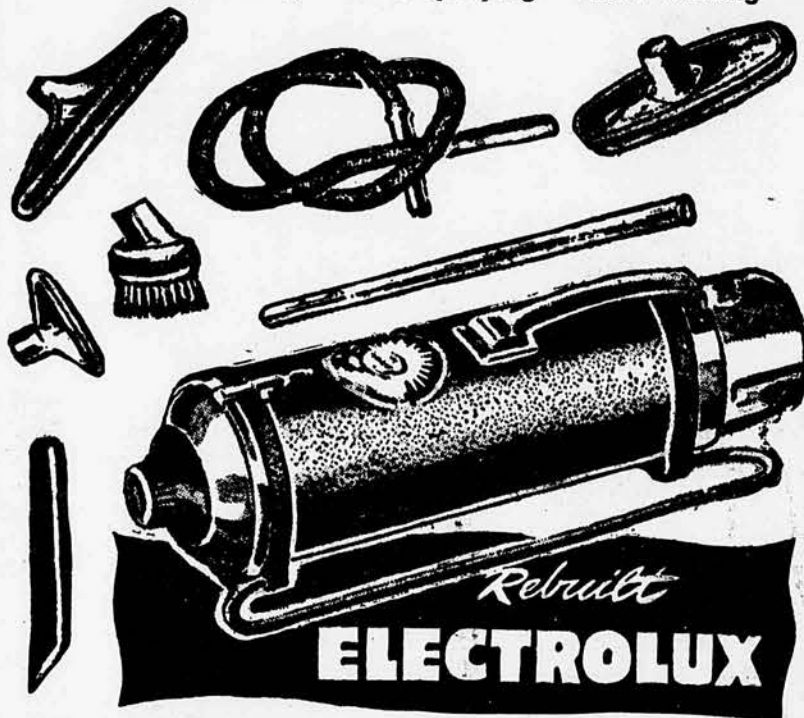


SPRAYER

At No Extra Cost

With First 100 Orders

For *Mothproofing *Paint Spraying *Floor Waxing



LIBERAL ALLOWANCE

For Your Old Cleaner

Terms if Desired



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

HOME VACUUM CLEANER STORES

1709 E. Lincoln
Wichita, Ks.

65 N. Lewis
Tulsa, Okla.

503 N. W. 8th
Okla. City, Okla.

Address below for free home demonstration only:

320 Liberty St.
Hutchinson, Ks.

4332 Brooklyn
Kansas City, Mo.

806 S. Spruce
Salina, Ks.

322 1/2 N. Main
Garden City, Ks.

3212 Main
Parsons, Ks.

1220 Spruce
Coffeyville, Ks.

501 W. B St.
McCook, Nebr.

925 W. Maple
Enid, Okla.

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 10-20

ASK FOR SEALS TO BOOST CRIPPLED CHILDREN FUND



"Winter" by Ranulph Bye

This peaceful winter landscape has been reproduced in four colors and will be distributed as Christmas seals during the holiday season for the benefit of crippled children. (They are the kind of seals you like to have on hand to brighten up your parcels, letters and greeting cards.)

A sheet of 100 gummed and perforated seals will be sent to each person who expects to make a cash contribution to the crippled children fund between now and Christmas. (Just make a small gift to crippled children and get all the nice seals you will need free.)

Fill in and return this coupon today. You can make your contribution any time before Christmas—the 31st birthday of the Capper Foundation.

The Capper Foundation for Crippled Children,
8th & Jackson Sts., Topeka, Kansas

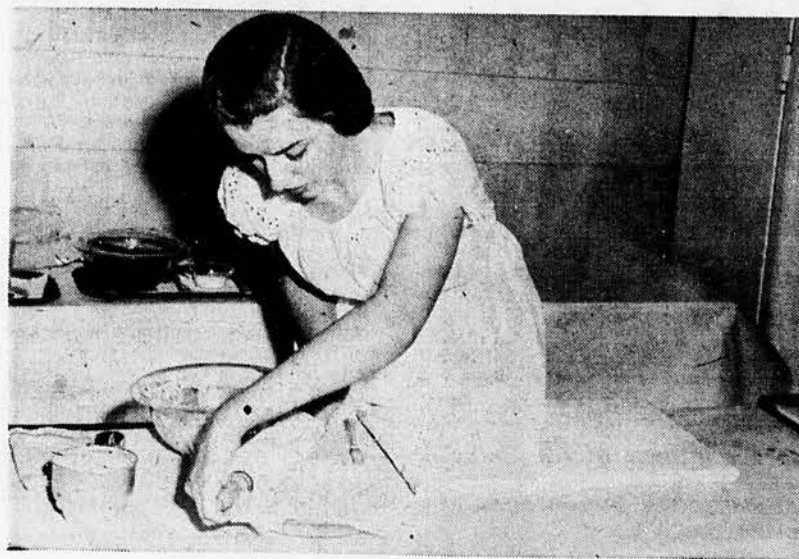
Dear Sir:

Yes, you may send me a package of those beautiful seals at once. I'll make my contribution to the crippled children fund sometime between now and Christmas.

Name.....

Address.....

Edith Makes a Pie



AT KANSAS Free Fair, Edith Lancaster stood before her audience at the 4-H Club building and demonstrated making a cherry pie for the home freezer. Edith is only 15, but last year was Nemaha county home economics champion, the honor given to the girl with the best-rounded program in club work. She also is a judging champion.

Edith used the following recipe for the 2-crust pie. She combined 2 cups

all-purpose flour with 1/4 teaspoon salt, then with a blending fork mixed it with 3/4 cup of lard. She then added 1/2 cup water. For the filling, she used 1 pint of frozen, sweetened cherries combined with 3 tablespoons tapioca. After covering with the top crust and crimping the edge, she wrapped it carefully with aluminum foil, ready for the freezer.

Edith is a member of the Busy Jayhawkers 4-H Club and her mother, Mrs. Loren Lancaster is community leader.

They're Quick-Change Artists



THIS CLEVER PAIR of quick-change artists gave their prize-winning demonstration at both Kansas Free Fair and Kansas State Fair. At the former they won the grand championship. Left is Judy Baker, right Donna Metz, members of the Peabody Hustlers 4-H Club, Marion county, in the final stages of their lesson on use of accessories in dress. Following the popular trend of changeabouts, the girls worked up their demonstration from 2 basic outfits, a black-and-white checked dress for Judy and a white blouse and navy wool skirt for Donna.

Judging Is Learning



TWO GIRLS came to Kansas Free Fair to enter judging contests and give demonstrations. From left to right, Dolores Lindblad, of the Friendly Valley 4-H Club, Saline county; Sheila Eidman, of the Good Luck 4-H Club, Chase county, and Velma McGaugh, of the State Club office at Manhattan. The girls are judging exhibits in the vegetable-canning class.

Now!

New, Exclusive Kansas Farm Life SPECIAL DEPOSIT and SAVINGS PLAN

**Fits Your Needs
and Your Income at All Times**

Get these extra advantages at no extra cost . . .

- Planned for farm families
- Easily changed to meet special requirements
- Size and number of payments according to your choice
- Deposits earn interest . . . are always available for withdrawal
- Can increase death benefits
- Gives you life insurance protection
- Pays your premium for you when your income is low
- Enables you to change insurance plans whenever you wish

Listen to the
Kansas Farm Life Show
on WIBW
7:30 AM—Monday thru Friday

**For Full Information,
See Your Kansas Farm Life Agent,
or Write Today.**

**The KANSAS FARM LIFE
INSURANCE COMPANY, Inc.**
MANHATTAN, KANSAS
A Service of the Kansas Farm Bureau

Stop Taking Harsh Drugs for Constipation

**End chronic dosing!
Regain normal regularity
this all-vegetable way!**

Taking harsh drugs for constipation can punish you brutally! Their cramps and griping disrupt normal bowel action, make you feel in need of repeated dosing.

When you occasionally feel constipated, get gentle but sure relief. Take Dr. Caldwell's Senna Laxative. It's all-vegetable. No salts, no harsh drugs. Dr. Caldwell's contains an extract of Senna, oldest and one of the finest natural laxatives known to medicine.

Gentle, effective relief

Pleasant, minty-flavored Dr. Caldwell's acts mildly, brings thorough relief comfortably. Helps you get regular, ends chronic dosing. Even relieves stomach sourness that irregularity often brings.

Try the new
25¢
size

Money back
if not satisfied

Mail bottle to Box 280, N. Y. 18, N. Y.

**DR. CALDWELL'S
SENNALAXATIVE**
Contained in pleasant-tasting Syrup Pepsin

A Fifty-Pound Feed Bag Now on Market

There's a new-size feed bag in use these days . . . a 50-pound bag which pleases the menfolks who find it easier to handle.

Homemakers, too, like the size for 3 or 4 of them will make a dress, one will make an apron or dishtowel. They are fine for curtains, dustcloths, little tot's underwear, luncheon cloths and napkins. A 50-pound bag gets less strain in handling and comes thru the wear and tear in better condition . . . fewer breaks and holes in the bag. Watch for these new bags at your feed stores. They come in both plain and prints.

Fall in Kansas

The brilliant light of sunrise
On a Kansas November morn,
As the sun sheds light of beauty
On hill tops of shocked corn—
With the shimmer of white frost
On fences, grass and trees.
A tingle in the morning air
Of autumn's chilly breeze—
A picture nature painted
That to us makes Kansas dear.
With our old state in her beauty garb
In the evening of the year.

—Nora Hacker Hollenbeck

Sheet Savers

Before removing sheets from a bed it is well to loosen tucked-in edges. Pulling sheets from bed may weaken the fabric and shorten life of sheets. It is not a good idea to wrap soiled clothes in sheets when preparing clothes for the laundry as it puts a strain on the sheets and may soil them badly. Sheets should be hung on line to dry by folding them hem to hem and turning about 4 inches over the line.—U. M.

Your Baby and Mine

Here is a practical guide book for young parents. The author, who is a mother and grandmother, takes the baby thru each stage of development, ending with the adolescent. Parents who want healthy, happy children will find here sane counsel and useful guidance. In following it, they will become better parents.

Your Baby and Mine is written by Myrtle Meyer Eldred and is published by The John Day Publishing Company, New York City. Cost \$3.75. See your local bookstore or your public library.

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OCTOBERISH coolness has brought out many unit heaters stored for summer. Equipped with fan and various sizes of electric elements, effectiveness of these is in providing quick heat for cold corners. They can be set on floor, mounted on wall or ceiling and solve many a perplexing problem in cold weather.

Dealers are displaying cold-weather items in the electric line. We're thinking especially of engine heaters we mentioned a year ago, devices which fit in the lower radiator hose of a car or tractor engine and pre-warm the cooling liquid and the oil.

We also are thinking of heating cable to wrap around pipes, dunk in liquids, or perform other cold-weather duties. Buried in soil or concrete it keeps the surface free of ice. Laid along eaves or gutters it handles many problems caused by snow and ice.

We read of an electric snow-removal machine manufactured by a Nebraska concern. Powered by a 1/2-horsepower motor, the device scoops up snow from a sidewalk and tosses it aside with the operator apparently only guiding the machine.

This column has spoken frequently about multiple uses devised for electric drills available for home and farm shops. This versatility ranged from stirring paint, polishing floors and furniture, sanding, trimming hedges and lawns, as well as the drilling duties in the original plan. Now someone has come up with an attachment that uses the drill motor to power a portable hand saw. It is manufactured by a Wisconsin company and includes a one-piece cast-aluminum frame.

Rewiring electric plugs and outlets has been greatly simplified. No longer is it necessary to strip insulation from the wires, disassemble the plug, and fasten the wires by means of screws. The new way involves only 3 steps: open the outlet or plug, insert wires, close the outlet or plug. Metal points pierce insulation as cover is closed and contact is made.

We visited the farm home of a real electric user who has more refrigerators and radios than she knows what to do with. We refer to Mrs. F. J. Didde, who lives in Lyon county just southeast of Olpe. A short time ago she and her husband bought an electric refrigerator. A week later she learned her

entry in a slogan contest had won her another one, a different make. Furthermore, her contest entries also had won 2 radios and an iron within recent months, which she adds to the refrigerator and her new electric range, purchased since the high line came to the farm.

With holidays in view, a decorative light bulb being produced offers something new in festive equipment. Inside of some designs are flowers in pastel colors, produced by ionizing rare gases. Others contain colorful designs to fit the occasion. The bulbs fit standard sockets and home electric specifications.

The luxury trade currently is inspecting an electric pillow which performs—not as an electric blanket—but as a restful, relaxing motion that is supposed to encourage sleep. By moving the head and neck muscles, say some authorities, such a device would relieve many who awaken with those muscles cramped.

It is entirely possible within a short time, home movie enthusiasts may be able to record their own commentary right on their film. At least 2 major companies have produced equipment and film that records and plays with the principle of tape recorders now used in homes, by radio stations, and other businesses. With this development, the sound track will be placed on the film while the owner is projecting the prized pictures of vacation, children or pets. Such a sound track may then be played indefinitely for many audiences, or erased and redone any time.

For those who must travel several feet in darkness, from garage or other building to the home, from a light switch to bed or chair, there is a delayed-action switch that offers an answer. The switch can be flipped, for instance, upon leaving the garage, yet the lights will remain on until a person reaches the house (nearly one minute), then will be turned off.

It was little more than an announcement a year ago, but this year it is on the market and with winter coming its value is easily seen. We refer to bathroom mirrors that will not fog under steamy conditions of winter heating and hot water. The cabinet has an electric heating element just behind the glass which keeps the surface warm enough to prevent condensation.

GRANDMA . . . By Charles Kuhn



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Marketing Viewpoint

By C. P. Wilson, Livestock; Leonard W. Schruben, Feed Grains; Paul L. Kelley, Dairy Products.

I am considering buying some shoats to feed out. I thought I would buy them right away and sell them around the first of the year. What would you judge hog prices to be the last of December or first of January?—L. M.

Hog prices probably will decline rather sharply from now until early December. At that time prices probably will be between \$18 and \$19 at Missouri river markets. By late December or early January prices probably will be a dollar or two above the low. By February prices may be back above \$22.

It seems probable you could buy feeder pigs cheaper in December than you can in October and sell at a higher price in February than in late December and early January. Therefore it is suggested you delay your hog-feeding project about 60 days from that indicated in your letter.

What is the probable course of cottonseed meal and soybean meal prices?—M. C.

I believe hand-to-mouth purchases over the next 45 to 60 days will probably result in an advantage to feeders looking for protein supplements. With increased harvesting of soybeans it should relieve some pressure on the soybean meal market as far as price-strengthening forces are concerned. Looking at it from another angle, so long as we have ceiling regulations, prices can't be expected to go much higher. If I were buying protein supplement for cattle feeding I would be inclined to buy only as I needed it and not build up too much of an inventory.

What has the trend been in the production of butter and oleomargarine this year?—E. C.

Biggest reduction in output of dairy products containing fat has been in butter. January-to-July production of butter in 1951 was 16 per cent below that of January to July, 1950. Production of margarine in the U. S., on the other hand, has been increasing during 1951 with output in the first 7 months exceeding that of a year earlier by 9 per cent. Production of the uncolored product was less than half that of a year earlier, while production of colored margarine was nearly double the 1950 level.

Crop Yields, 1951

Largest grain sorghum crop in Kansas since 1944. October corn harvest prediction lower than September's by 1,400,000 bushels. These are 2 of the crop forecast figures released by the U. S. Department of Agriculture. Other predictions: average of 12 bushels of wheat per acre, and 126,732,000 bushels produced—16 bushels of oats, and 16,288,000-bushel total—21 bushels of grain sorghums, and 42,357,000-bushel total—12 1/2 bushels of soybeans for beans, and 6,325,000-bushel total.

The grain sorghum crop is expected to bring Kansas \$91,551,120 and the corn crop, \$99,223,580.

Tape Repairs Oilcloth

To prevent a cut in oilcloth from becoming an unsightly hole, place a strip of adhesive tape on wrong side, press edges down smoothly.—W. M. B.

Congratulations to Frank Payne

Kansas Farmer received a telegram in the office the other day which will be of special interest to readers who followed the recent series on flower growing by Frank Payne. Mr. Payne, who grows flowers for a living and as a hobby, won 10 blue ribbons at the 1st national Dahlia Show of Texas, at Dallas at the Texas State Fair. He shipped 1,000 dahlias by train to the exhibit, and made 14 entries. Congratulations!

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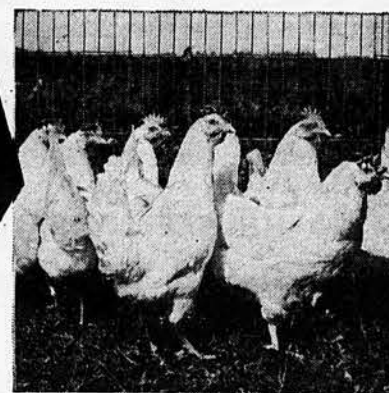
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Your **CORNHUSKER** dealer will welcome the opportunity to tell you more about these **GREAT HYBRIDS!**

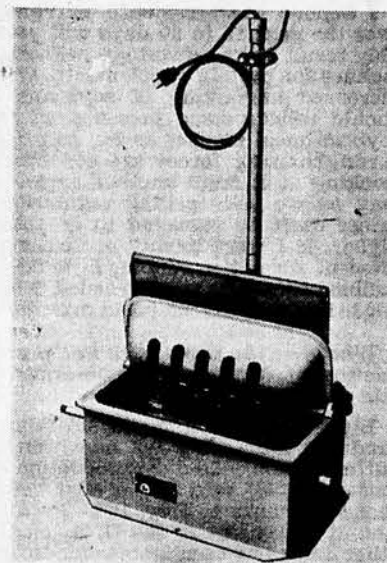
Have You Heard?



Notes on New Products and Folks Who Make Them

THE new Scotsman "Thrift-Pilot" Oil Heater Model AO-70 is newest addition to the Scotsman Oil Heater line. Manufacturer is American Gas Machine Co., Albert Lea, Minn. Consumer can use one or both burners, on the new model, as the outside temperature requires. The Square Heat Chambers provide 25 per cent more radiating surface than round heat chambers of the same size. For more information write the company, please mention this item and *Kansas Farmer*.

Jamesway's newly-developed pressure hog waterer is on the market this fall. This heavy cast iron-sheet steel waterer is thermostatically controlled to prevent freezing in coldest weather.



The heating element consumes no electrical current when air temperature is above thermostat setting. The waterer hooks up with any normal pressure water system, maintains constant water level automatically. It can accommodate 2 hogs at a time at its cast iron trough. Manufacturer is James Mfg. Co., Fort Atkinson, Wis.

Rovac is a new hog cholera vaccine—a product of Lederle Laboratories Division, American Cyanamid Co. Much of the field testing with Rovac has been done in Missouri, on the Gordon Medsker farm at Pumpkin Center. The USDA research center at Beltsville, Md., has conducted extensive tests and has approved the new product.

The new Habco 280-bushel Batch Type Drying Bin is designed for drying all types of grain crops. The bin is made of all galvanized, perforated sides and floor which allows complete circulation of hot, dry air thru and around wet grain and allows it to escape, carrying excess moisture with it. Made by Habco Mfg. Co., Columbus, Nebr., the new bin is portable and can be used with all types of drying operations.

Fort Dodge Tent and Awning Company, Fort Dodge, Iowa, is announcing production of the Heat-Houser for track-type tractors. They're the manufacturers of the genuine Heat-Houser for farm tractors. Heat-Houser is easy to install, there are no holes to drill. It permits the operator freedom and offers greater protection for operator and tractor. The manufacturer says for all-around cold weather protection,

the Heat-Houser for 1951 will meet every requirement.

The new Case "E-2" portable elevator replaces earlier model elevator. Sides of new machine are adjustable to 4 positions—for small grain, ear corn, baled hay and feed sacks. Is operated



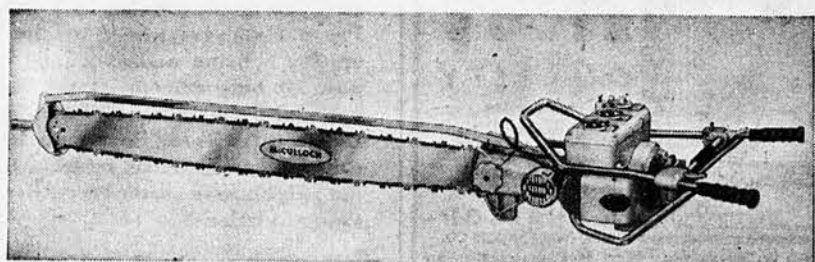
by engine, belt pulley, power take-off, or electric motor. Easily moved on its rubber-tired wheels by one man. Is available in 28-, 32- and 36-foot lengths. Manufacturer is J. I. Case Co., Racine, Wis.

Pollard Rowraker is a new type of haymaking machine, perfected and proved in field use, which saves crops and leaves. Machine has 2 uses—raking and windrowing. The field crop, either hay or grain, is pushed into a trim windrow in a gentle but thorough manner. The Rowraker is especially valuable for use on uneven ground, as the separate mounting of raking wheels makes it possible for them to follow the contour of uneven ground. The windrow is turned over so neatly and smoothly there is no shattering or shelling. Manufacturer is Pollard Mfg. Co., Minneapolis 4, Minn.

A new type of infrared chick and poult brooder is introduced. The company is LML Engineering & Manufacturing Corp., Columbia City, Ind., known nationally as manufacturer of Cardinal farm elevators. The brooder is equipped for four 250-watt R-40 lamps. Lamps set at an angle to give infrared rays the widest spread. The brooder forms a radiant energy pattern of sufficient area to brood a flock of from 300 to 500 chicks. Model CB-30 is for individual brooder houses, for small or large operation. Model CB-20 is for larger brooding operation.

Won't be too long now before cold weather, so now's the time to check your house against drafts. Transparent, shatterproof window materials that shut out the cold, keep in the heat and cut fuel bills, can mean top protection and insure cozy comfort indoors. Warp Brothers, Chicago, comment these long-lasting window materials are easy and safe to put on and require no special tools or skill. A pair of shears, a hammer and some tacks are all that's needed to do the job.

The new McCulloch Model 7-55 chain saw cuts the largest timber, yet weighs only 55 pounds with 20-inch blade and chain. Shown here is the saw with a 60-inch blade. The 7-55 develops 7 horsepower, has the new feature of "cushioned power," a device built into the gasoline engine for neutralizing vibration—makes the unit smooth-running. This portable saw is made by McCulloch Motors Corp., Los Angeles.



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AND NON-FREEZING WALL FAUCET for your home. See your dealer or write.

The James Knights Co. SANDWICH ILLINOIS

Just Who Should Represent Farmers?

(Continued from Page 5)

Cull—Hogs of this grade are decidedly underfinished, and altho they produce carcasses with a high ratio of lean to fats, the cuts are very inferior in quality and are suitable for use only in processed meats.

Comments and views should be sent to the Director, Livestock Branch, Production and Marketing Administration, U.S. Department of Agriculture, Washington 25, D. C., before April 3, 1952. Complete standards as outlined will be in the Federal Register for October 6, 1951.

Department release says:

"The standards have been discussed with many producers and trade members. Several demonstrations at markets and agricultural college 'Field Days' thruout the hog-producing areas during the last 3 years have acquainted many persons with characteristics and appearances of hogs and carcasses that qualify for each of the new grades. Two major purposes in developing new grades are to facilitate hog marketing by providing uniform standards for market hogs and pork carcasses, and to provide a basis for more-effective market news reports on volume and prices of various grades of hogs and pork cuts. Use of these grades in marketing hogs will be on a voluntary basis, as with other livestock grades.

"Primary consideration... was given to difference in yields of lean and fat cuts and to difference in quality of cuts. Yields and quality factors reflect the important shifts in consumer prefer-

Wedding Anniversaries

Our leaflet, "Golden and Silver Wedding Anniversaries," was prepared to suggest ideas for entertainment when celebrating such events. Please write for your copy of leaflet to Entertainment Editor, Kansas Farmer, Topeka. Price 3c.

ence for pork products, which is a trend away from fat cuts and toward lean cuts. In addition, lard which at one time dominated the fats and oils market now must share with an increasing number an volume of vegetable oils. This has had a marked effect on hog values.

"... Tests on the basis of the proposed grades show the cut out value of Choice No. 1 grade carcasses is often from 10 to 15 per cent more than that of Choice No. 3 grade carcasses of similar weight. Presently, hogs that would fall into these 2 grades are frequently priced the same on the market.

"These new grades... would not necessarily mean more money should or will be paid for all hogs. The grades should enable a more equitable distribution of money paid for hogs.

"... in working out the standards... (carcass grade system) back cut thickness was found to be the best single factor for estimating the proportion of these lean cuts in the carcass. The slaughter (live animal grades) are based on and relate directly to the carcass grades.

"The proposals are the result of several years of research and would supplant present tentative standards for live hogs and establish for the first time standards for carcasses."



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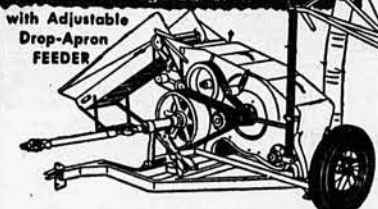
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Nagging backache, loss of pep and energy, headaches and dizziness may be due to slowdown of kidney function. Doctors say good kidney function is very important to good health. When some everyday condition, such as stress and strain, causes this important function to slow down, many folks suffer nagging backache—feel miserable. Minor bladder irritations due to cold or wrong diet may cause getting up nights or frequent passages.

Don't neglect your kidneys if these conditions bother you. Try Doan's Pills—a mild diuretic. Used successfully by millions for over 50 years. It's amazing how many times Doan's give happy relief from these discomforts—help the 15 miles of kidney tubes and filters flush out waste. Get Doan's Pills today!

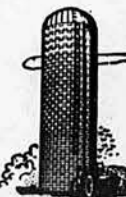
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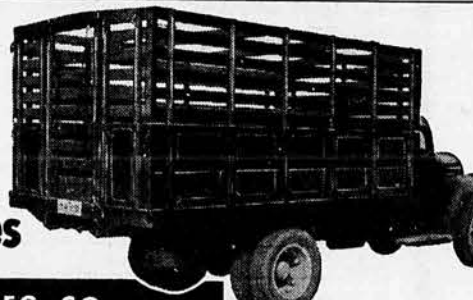
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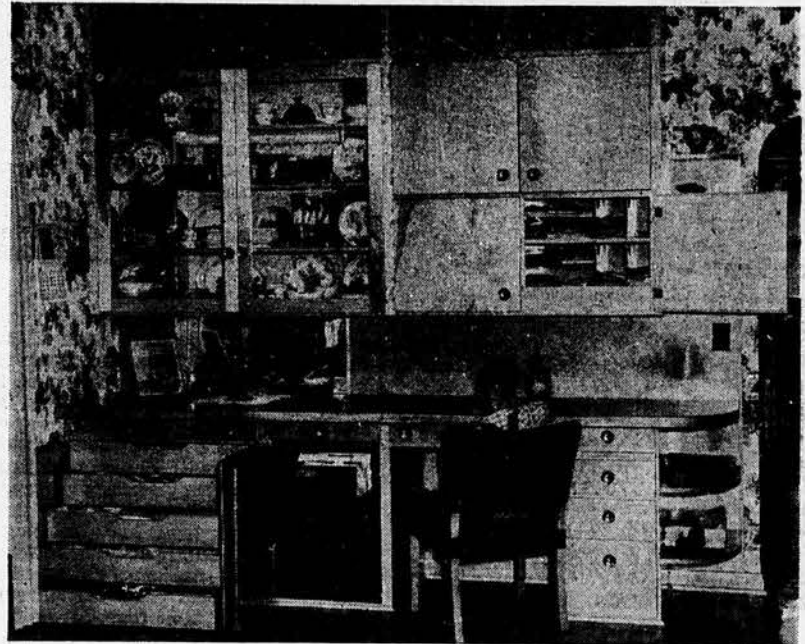
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"Just the Way You Want It"

(Continued from Page 1)



ROLLED INTO ONE are many storage ideas in this storage wall in Joseph Nelson home. Sitting at desk is Loren Dean, 5-year-old son of the Nelsons.

way of pans, ingredients, and condiments is within reach from a single standing position. As an added comfort she put a special rack on the inside of one cupboard door so her cookbook could be propped open at near eye level. The refrigerator is located just one step away from the mixing center.

An idea of their own was used by the Nelsons to hide their mixer when it was not in use. They put 2 small swinging doors at right angles, with one hinged to the back bar and the other to the end of the built-in section. When these doors are shut they form a compartment that keeps the mixer clean and out of sight. When the doors are swung open the inside of the one on the right serves to hold many of the condiments needed. The 2 doors are covered with the same material as the counter top and are edged in chrome to match the counter trim.

Three lazy Susans are included in the built-ins, 2 below the counter level and one above. This type of storage is highly recommended now and the Nelsons have taken full advantage of their corner locations to get the maximum number. They also have an additional idea that makes the upper Susan more attractive. Mrs. Nelson added 3 what-not shelves, on which she keeps some brightly colored china. This idea relieves the monotony of the solid-white cabinets, adds an extra note of color.

Like many families, the Nelsons eat most of their meals in the kitchen. In studying kitchen plans they liked the spacesaving idea of the snack bar but, says Mrs. Nelson, "We didn't like to sit on stools because they aren't as comfortable as chairs, and I didn't like the height of the snack bars."

After considerable studying they came up with their own eating-center design that combines the spacesaving feature of the snack bar with the comfort of the permanent table.

From one wall of the kitchen, they built a snack bar at table height. This bar top is 30 inches wide and extends in a straight line 50 inches out from the wall, next to the stove. Then the top only is extended and shaped to form a table top 42 inches in diameter. This table part is supported underneath at the center by a single column.

The bar section of this combination bar-table also is used for storage. On the inside, just in front of the stove, the bar section has 3 drawers—a silver drawer, a metal-lined breadbox and a utility drawer, plus a breadboard. These drawers are only 16 inches deep, thus allowing 14 inches of knee room for one sitting at the bar opposite drawers.

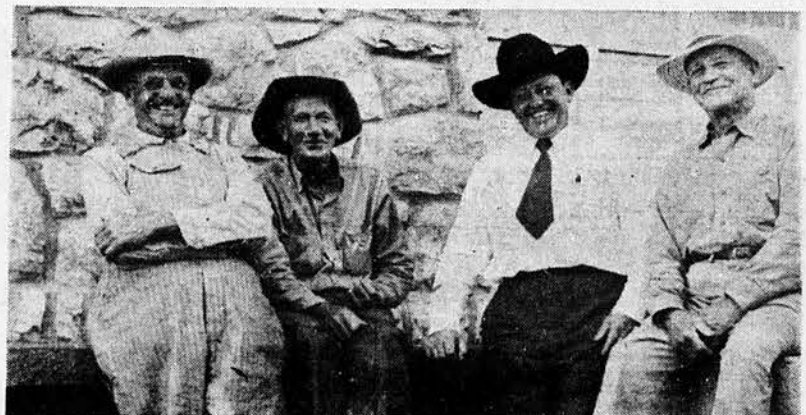
Next to the wall on the outside of the bar section is a stack of 4 drawers, just under the telephone. This is the kitchen "business center." Telephone batteries are concealed at rear of the bottom drawer.

This unusual bar-table is very attractive and can seat 7 comfortably. Says Mrs. Nelson: "From our table only one to 3 steps are needed to reach sink, disposal unit, or dishwasher, and 2 steps to refrigerator. Food prepared at the range can be placed directly on the table from one standing position."

In the dining room the entire wall adjoining the kitchen was designed for storage. In addition to housing the china closet, the storage wall includes a desk, pull-out file drawers for permanent farm records, pigeonholes for current mail and bills, a stack of wide, shallow drawers for storage of flat items, and other drawers and compartments for miscellaneous storage.

Altogether there are 9 compartments and 12 drawers in addition to the china-closet space. What-not shelves are used on one end for decorative purposes. Like the kitchen, the Nelson storage wall was planned to "roll into one" all ideas they had found in magazines.

Interested in Holsteins



YOU KNOW the man under the big, black hat is Elmer Curtis of WIBW. With him, left to right: Elmer C. Melcher, Ottawa; Ted Daily and Harry Hemphill, Baldwin. Occasion, sale of 160 Holsteins for Forrest Aikens, Baldwin; reasons reported, lack of help and too much government control. Top price cow, \$425. Attendance, 2,000 plus.

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Gerald D. McClaskey Announces Retirement

Gerald D. McClaskey, for 15 years educational director of the Kansas Poultry Institute, is retiring from that position effective January 1, 1952. A booster of poultry for 50 years, he has raised, judged and marketed chickens. He served as poultry editor of *Kansas Farmer* during 1916-17.

Since 1911, he has been a poultry judge licensed by the American Poultry Association. Mr. McClaskey was the guiding hand behind the Kansas exhibits at the 1939 World's Poultry Congress, at Cleveland, and the 1915 San Francisco World's Fair. There have been other notable poultry events he has taken part in, both in exhibits and as a judge. He has been asked to serve as a judge next January at the Boston Poultry Show—regarded as the original poultry exhibition.

Mr. McClaskey has been a booster of the popular "Chicken of Tomorrow" contest. For 40 years he has taken an active part in the poultry show of the Kansas Free Fair. The poultryman's friend for half a century, Mr. McClaskey will still be a familiar and friendly sight at many a poultry show.

Wheat Research Men Hold Study Meet

The big need of wheat growers in the Midwest is development of new varieties to overcome present hazards. This was the recommendation made by research men from 6 states who met in Dodge City, September 27 and 28, for a wheat study conference. The members think new varieties can be made to resist drouth damage, insect pests, and winterkill.

Dr. H. H. Laude, Kansas State College agronomist, was chairman of the study group. He emphasizes work at the meeting was only to make suggestions. Recommendations will be submitted to directors of the National Association of Wheat Growers. The wheat research committee was formed several years ago by experiment station authorities of the states in the region. At the Dodge City meeting were representatives from Colorado, Texas, Oklahoma, Wyoming, Nebraska and U. S. Department of Agriculture men.

A. F. Swanson

Retires From Ft. Hays

Arthur F. Swanson, cereal crop expert at the Kansas State College Fort Hays Experiment Station, resigned effective September 30. For 32 years he had charge of cereal crop projects at that station. Mr. Swanson has accepted an assignment with the office for agricultural rehabilitation located in Lima, Peru.

The long-time experimenter has been effective in producing several improved grain sorghum varieties, and deserves major credit for development of Kiowa wheat and a new, unnamed variety. During the last 10 years he has been working on developing grain sorghums for industrial use—breeding sorghums to meet starch and wax requirements of industry. Mr. Swanson has published many articles on sorghum and wheat production.

Flying Farmers Will Tour State

Kansas Flying Farmers are making a 2-day tour of the state, October 29 and 30. John Poole, Junction City, president of the state club, reports at least 75 planes will participate. The tour includes Chanute, Winfield, Salina, Topeka, Great Bend, Hays and Hutchinson.

The flight program begins with a fly-in breakfast at Salina, stopping at Hutchinson the first night when a dinner and entertainment program will be held. Next afternoon, at Hays, flying farmers will be guests at an agricultural program. The tour will end at the Hays stop.

Members of the tour committee are Mr. Poole, Clarence Wilkens, Lorraine, club vice-president, and Glenn Tabor, aeronautical director, Kansas Industrial Development Commission.

Kansas "Best Cowboy"

A Kansas cowboy won top honors at the 1951 Reno (Nevada) Rodeo. Gerald Roberts, Strong City, won title of "top all-around cowboy" at the event. He won \$1,400 in cash and a \$500 saddle.

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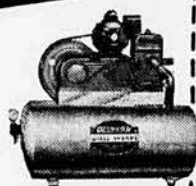


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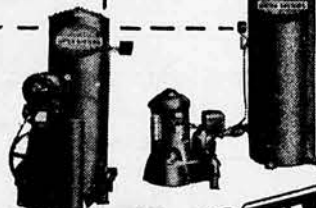


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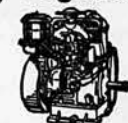
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Latest Methods treating Piles, Fistula, Colon-Stomach Disorders. Write for free book. McCleary Clinic and Hospital, El040, Excelsior Springs, Mo.

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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. H-81, Chicago 22, Ill.

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

Glowing Warmth for cold winter nights. Send us raw wool for fine blankets and fringed motor robes. Big savings. Free literature. West Texas Woolen Mills, Main Street, Eldorado, Tex.

Cesspools, Septic Tanks, outdoor toilets, cleaned and deodorized with amazing compound; saves digging, free details. Dig-No-More Co., 2611-I Harriet, Minneapolis 8, Minn.

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

Stick Photostamps on your friendly cards and letters. 10c made from your snapshot \$1.00. Stewart Photos, 817 So. 42nd, Louisville, Ky.

Public Sales of Livestock

Aberdeen-Angus Cattle

October 24—Angus Feeder Calf Sale, Salina, Kan. James B. Hollinger, Chapman, Kan.

October 31—Grassland Breeders' Association, Belton, Mo. M. B. Burruss, Secretary, Blairtown, Mo.

November 3—Green Valley's "T.V." Sale, Library, Mo. George DeHaven, Owner, 526 Law Bldg., Kansas City, Mo.

November 7—Kansas State Aberdeen-Angus Breeders Sale, State Fairgrounds, Hutchinson, Kan. Don L. Good, Secretary, Manhattan, Kan.

November 9—"The Humeston Breeders Registered Consignment Sale," Humeston, Ia. Donald J. Bowman, Sales Manager, Humeston, Ia. Donald J. Bowman, Sales Manager, Humeston, Mo.

December 10—Registered and Commercial Sale, Dodge City, Chester I. Bare, Sale Manager, Protection, Kan.

January 24—Chisholm Trail Aberdeen-Angus Breeders' Association, Caldwell, Kan. Donald Morton, Secretary, Argonia, Kan.

February 25—C. E. Reed, Wichita, Kan.

April 21—Ericson, Thalman and Davis Production Sale, Hutchinson, Kan.

Brown Swiss Cattle

October 30—Colorado Breeders' Association, Greeley, Colo., Fred Russek, Secretary, Ft. Morgan, Colo.

Holstein Cattle

October 25 and 26—Central Kansas Holstein Breeders Sale, Hutchinson, Kan. T. Hobart McVay, Sale Manager, Nickerson, Kan.

October 27—Arthur Peble Dispersal, New Haven, Mo. A. W. Petersen, Sale Manager, Oconomowoc, Wisc.

November 1—Fred T. Brown, Alta Vista, Kan.

November 6—Upham & Junghans Dispersal, Junction City, Kan.

November 8—George S. Turner, Cannon City, Colo., 1515 Vine Street.

Hereford Cattle

October 20—O'Bryan Ranch, Hiattville, Kan.

October 22—Beeks & Cleland, Baldwin, Kan.

October 29—Pikes Peak Cattle Growers' Association Sale, Colorado Springs, Colo.

October 30—North Central Kansas Hereford Sale, Dr. George Wreath, Sale Manager.

October 31—Bob White Hereford Farm, Enterprise, Kan.

November 1—Flint Hills Association, Cottonwood Falls, Kan.

November 5—Frank R. Condell's Dellford Ranch, El Dorado, Kan.

November 7—Lincoln County Hereford Association, Sylvia Grove, Kan.

November 7—Crowley County Hereford Breeders' Association, Arkansas City, Kan.

November 10—Al Schuetz and William Belden, Horton, Kan.

November 10—W. H. Tonn & Son, Haven, Kan.

November 12—13—Sunflower Futurity, Hutchinson, Kan.

November 12—The 3rd Pony Express Registered Consignment Sale, South St. Joseph, Mo. Donald J. Bowman, Sales Manager, Hamilton, Mo.

November 14—Osage Valley Registered Consignment Sale, Osceola, Mo. (Sale at KB Ranch, Ionia, Mo.) Donald J. Bowman, Sales Manager, Hamilton, Mo.

November 14—K Ranch, Hutchinson, Kan.

November 17—O'Bryan Ranch, Hiattville, Kan. (Polled)

November 26—Sumner County Hereford Breeders Sale, Wellington, Kan. R. M. Mattingly, Secretary, Caldwell, Kan.

November 27—Mathison Bros., Natoma, Kan.

November 28—WHR Royal Tredway 9th Sale, Oakley, Kan.

December 3 and 4—Mulyane Hereford Ranch Dispersal, Topeka, Kan.

December 7—South Central Kansas Hereford Association, Newton, Kan. Phil Adrain, Secretary, Moundridge, Kan.

December 8—A. R. Schlickau & Sons, Haven, Kan.

February 4—1952 Kansas Range Bull Sale, Dodge City, Kan.

February 6—1952 HG Hereford Farms, Colby, Kan.

February 7—1952 Oliver Bros., Harper, Kan.

February 9—Dickinson County Hereford Breeders Association, Abilene, Kan.

February 14—1952 Kaw Valley Hereford Association, Manhattan, Kan. Bass Powell, Sale Manager, Manhattan, Kan.

February 22—Sam Gibbs, Clay Center, Kan.

April 12—Kansas Hereford Association, Horton, Kan.

Ayrshire Cattle

October 22—Muri Krotz and W. C. Cummings, Ingalls, Kan.

November 1—Kansas Ayrshire Production Sale, El Dorado, Kan. G. Fred Williams, Sale Manager, Hutchinson, Kan.

Polled Hereford Cattle

November 9—Midwest Polled Hereford Association, Deshler, Nebr.

November 15—Frank Worden, Dispersion Sale, Burden, Kan. Vic Roth, Sale Manager, Hays, Kan.

November 20—Central Kansas Polled Hereford Association, Herington, O. J. Shields, Sale Manager, Lost Springs, Kan.

November 21—Jesse Riffel & Sons, Enterprise, Kan.

December 10—Kansas Polled Hereford Sale, Hutchinson, Kan.

Jersey Cattle

October 29—Hallmark Farm, Kansas City, Mo. Laurence Gardiner, Sales Manager, 1863 Cowden, Memphis, Tenn.

Red Poll Cattle

October 26—Kansas-Missouri Red-Poll Sale, Free Fair Grounds, Topeka, J. E. Loeppke, Secretary, Penasola, Kan.

Shorthorn Cattle

October 19-20—Range Bull Show and Sale, Broken Bow, Nebr. American Shorthorn Breeders' Association, Managers, 7 Dexter Park Ave., Chicago 9, Ill.

October 25—North Central Kansas Shorthorn Breeders, Beloit, Kan. Ed Hedstrom, Secretary, Marysville, Kan.

October 26—Mid-Kansas Shorthorn Breeders Sale, Salina, Kan. Mervin F. Aegerter, Sale Manager, Seward, Nebr.

October 30—Mur-Len Farms, Lenexa, Kan. Mervin F. Aegerter, Sales Manager, Seward, Nebr.

November 7—Mid-America Breeders Sale, Paducah, Ky. Don Longley, Manager, 16 South Locust St., Chicago, Ill.

November 9—Kansas State Horned Shorthorn Sale, Hutchinson, Kan.

Polled Shorthorn Cattle

October 22—Missouri Breeders' Association, Sedalia, Mo. Rollo E. Singleton, Secretary, Jefferson City, Mo.

November 8—Kansas State Polled Shorthorn Sale, Hutchinson, Kan.

Milking Shorthorn Cattle

October 22—Nebraska Milking Shorthorn Breeders' Association Sale, Fairbury, Nebr. Max Kimmerling, Sale Manager, Beatrice, Nebr.

October 31—Milking Shorthorn Consignment Sale, Hutchinson, Kan. C. O. Heidebrecht, Sale Manager, Inman, Kan.

November 8—McPherson County Milking Shorthorn Sale, Moundridge, Kan. C. O. Heidebrecht, Sale Manager, Inman, Kan.

All Breeds Cattle

November 9—Ottawa County All-Breed Sale, Minneapolis, Kansas. Louis Cooper, Sale Manager, Minneapolis, Kan.

Berkshire Hogs

October 29—Kansas Berkshire Sale, Hutchinson, Franklin Nickel, Secretary, Buhler, Kan.

Chester White Hogs

October 20—Elmdale Farm (Eldon L. Mosler), Oswego, Kan.

Duroc Hogs

October 20—Willis Huston, Americus, Kan.

HOGS

DUROC SALE

Moundridge, Kansas
October 27, 1951

40 HEAD SELLING
20 Boars — 20 Gilts

A choice offer of boars and gilts from leading bloodlines. Here's a chance for a good boar at farmer prices.

WARD LEHMAN, Halstead, Kan.
HERMAN POPP, Haven, Kan.
Owners

DUROC SALE

40 Big, Rugged Duroc Boars
20 Choice Open Gilts

Monday, October 22
Belleville, Kansas

Sale at the Fairgrounds
SALE AT 1:00 P. M.

All are registered, vaccinated, Bang's tested and guaranteed breeders. Farmer type Durocs for farmer customers.

Write any of these owners for free sale catalog:

EDWARD BLECHA, Munden, Kan.
T. H. (HARRY) DUVAL, Belleville, Kan., or
GEORGE C. WEAVER, Belleville, Kan.
Tom Sullivan, Auct., Hlawatha, Kan.

DUROC BOARS

March boars sired by High Flyer
and Union Leader

All registered and vaccinated. Priced from \$75 to \$100. Come and look them over or will ship.

WELDON MILLER & SON
NORCATUR, KANSAS

For Sale: Two Champion DUROC HERD BOARS

Champion breeding, King of Diamonds best sire and individual I ever owned, he by Red Diamond, Deet's King Reserve Jr. Kansas 1948 by Royal King, Nebraska champion 1948. Boars priced low. March boars \$50.00.

MEL SHEPHERD, Lyons, Kansas

DUROC APRIL AND MAY BOARS
Ready for heavy service. Our medium type production tested Durocs are famous for large litters and fast gains. 29 sows raised 271 pigs this spring. Willard H. Waldo, DeWitt, Nebraska.

Dual-Purpose CATTLE

For Sale, 8 months old, red, not registered, POLLED MILKING SHORTHORN BULL \$200.00. Sired by Woodward's Reveler, classified with 91 points when 2 years old, grand champion at Tri-County & Hillsboro fairs, 4th at State Fair Hutchinson, 1950, son of Trixie Queen R.M. Ex. World's high-producing Polled Milking Shorthorn cow and sired by Woodside Reveler, now grand champion bull in Penn.

14 other young bulls to choose from mostly registered and Polled, nice Roans and Reds. Good individuals. Our milk cows are 100% R. M.

W. A. HEGLE & SON, Lost Springs, Kan.

MILKING SHORTHORN

Yearling sons of the beefy Ringmaster bull whose dams averaged 500 lbs. fat. Out of "Good Plus," RM Cows.

\$180 to \$300

HARRY H. REEVES

Route 3 Hutchinson, Kan.
4 miles northeast on K-17.

Polled Milking Shorthorns

FOR SALE

I am offering 25 head of registered Polled Milking Shorthorns for sale including herd bull, cows, heifers and spring calves.

EMMETT POISTER
ENTERPRISE, KANSAS

MILKING SHORTHORNS

The Directory & News and Buyers Guide is now ready. It will help you find the best of the breed. For a copy of this publication and for state and other sale catalogs, write

KANSAS MILKING SHORTHORN SOCIETY
C. O. Heidebrecht, Secretary, Inman, Kan.

LOCUST DELL FARM MILKING SHORTHORNS

Red and roan bulls from calves to serviceable age, best of bloodlines. LOUIS MISCHLER, Bloomington (Osborne County), Kansas.

• AUCTIONEERS •

HAROLD TONN

Auctioneer and
Complete
Sales Service

Write, phone or wire
Haven, Kansas



IN THE FIELD

MIKE WILSON

Topeka, Kansas
Livestock Editor

CK Crusty 46th, 2-year-old bull owned by the OK RANCH, BROOKVILLE, was grand champion of the Pan American National Hereford show at the Texas State Fair.

DAN CASEMENT, Manhattan, had the 1st Kansas entry for the 7th annual Chicago Feeder Cattle Show and Sale, to be held at Chicago, October 26. Mr. Casement, prominent Riley county breeder, entered one load of Hereford steer calves and a load of Hereford heifer calves.

One of the good Chester White sales of this season was held at Marysville the night of October 8. This sale was made by MR. & MRS. ROY KOCH, Bremen, Forty-seven head of registered Chester Whites were sold for an average of \$91 per head. Calvin Hobson, Hardy, Nebr., paid \$150 for the top-selling gilt in the sale. Boars in this sale sold from \$200 down. Around 200 farmers and friends attended this sale. It was expressed by many people who have attended several Chester White sales that this was without a doubt one of the best offerings that will be sold at public auction the fall of 1951. Col. Bert Powell was auctioneer.

Louisoford It of Oaklands, Jersey bull owned by KANSAS STATE COLLEGE, has been named a Superior Sire by the American Jersey Cattle Club. The rating indicates a bull has passed on both high production and good breed type to his daughters. He has 11 tested daughters tested for production. They averaged 9,902 pounds of milk and 494 pounds butterfat in 10 months on twice a day milking, mature equivalent basis. The bull also has 10 daughters classified for breed type with an average rating of 83 points, out of 100 points for a perfect animal. The sire also was classified for type, achieving the high rating of Excellent, equal to a score of more than 90 points.

Despite threatening rain the ALBERT MORGAN Poland China sale, on September 7, was well attended and prices received were very good. This young man had spent much time and expense in preparing the splendid sale offering. Ray Saylor, Leocompton, paid \$175 for the top gilt in the sale. Spring boars were sold from \$65 to \$120 per head. Swoyer Brothers, Glasco, paid the top price for a March 9th son of the great Santa Fe. This offering of registered Poland Chinas was well distributed thru the eastern half of Kansas. Although one of the youngest breeders in the business, Albert Morgan should be complimented on the fine job he is doing as a breeder and promoter. Mike Wilson sold the offering.

CHESTER PARKER & SONS, Leona, divided their offering of good Spotted Poland China boars and gilts with their friends and customers on October 3 in Leona. Around 150 farmers and breeders attended. Boars sold from \$100 down. Joe Nelson, Horton, gave that figure for the top-selling boar in the sale. This boar was an outstanding son of the Eliminator that Parkers use so successfully in their breeding program. The gilt end of the auction was a little slower than the boar sale. However, prices received were very satisfactory. The Parkers are well known thruout the Midwest for the good Spotted Poland Chinas they produce and sell to their customers annually. Mike Wilson was auctioneer.

MR. & MRS. J. L. EARLY, owners of Edna-Mae Farms and famous for their "Middle of the Road Type Shorthorn Cattle," made their first production sale at the farm north of Carl Junction, Mo., on September 29th. The offering was sold mostly in every-day working condition. However, some of the younger cattle carried considerable fitting. Theodore Pharis, Butler, Mo., paid \$825 for the top-selling bull, a coming 2-year-old son of the Edna-Mae herd sire, Strowold Favorite Count. A female top of \$675 was made when A. B. Sealman, Kansas City, paid that figure for an October, 1944, daughter of Edellyn Baron Command. Eight bulls made an average of \$395; 34 females average \$468, and 42 head were auctioned for a general average of \$452. Merv Aegerter, Seward, Nebr., managed the sale. C. D. Swaffar was auctioneer.

Seventh Annual Sale of REG. SPOTTED POLAND CHINA HOGS

J. A. Buckles

Mound City, Mo.

October 25, 1951

McKee Barn — 1:00 P. M.

45 Head Sell 25-Boars—20 Gilts

All sired by Green Lander

For catalog write to:

J. A. BUCKLES

MOUND CITY, MISSOURI

SPOTTED POLAND CHINA

BOAR AND GILT

SHOW AND SALE

Ottawa, Kansas

Tuesday, October 30

Franklin County Sale Barn

Show 10 A. M. — Sale 1 P. M.

Tops from leading Kansas herds.

KANSAS SPOTTED POLAND
CHINA BREEDERS' ASSN.

For catalog write

H. E. HOLLIDAY, Sec., Richland, Kansas

BERGSTENS SELL

HAMPSHIRE HOGS on Saturday, Oct. 27

Selling at the farm on all-weather road just south of

RANDOLPH, KANSAS

Sale starts promptly at 1 O'clock.



35 CHOICE SPRING BOARS—20 CHOICE OPEN GILTS
A FEW BRED GILTS AND A FEW OFF-MARKED GILTS

The Sales Offering—Our Hampshires have been raised on clean alfalfa fields, are in healthy breeding condition. The quality of the offering is equal to previous sales. We offer new blood for old customers. Health—Our herd has been free of Bang's disease and offering will be tested prior to sale.

INSPECTION OF HERD INVITED. WE WOULD BE PLEASED TO
SEND YOU A SALE CATALOG.

R. E. BERGSTEN & SON, Randolph, Kansas

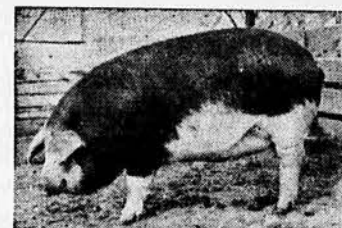
Bert Powell, Auctioneer

Mike Wilson with Kansas Farmer

KANSAS HEREFORD HOG BREEDERS' ASSN.

Open Gilt and Boar Sale

October 23 at
Dodge City, Kansas



Consignors to the Sale are:

DALE FARMER, Colby
ORVILLE A. WOHLER, Barnes
CLYDE E. BURNS, Ness City
ELMER LUEDERS, Bremen
KENNETH GROOVER, Menlo
WM. HARRIS, Jr., Bremen

MILTON HAGG, Holton
MORRIS HEMSTROM, Colby
STATE LINE PIG FACTORY, Summerfield
L. C. GATEWOOD, Leavenworth
ERWIN SHUMAN, Dodge City
RAY RUSK & SON, Wellington

For information and catalog write

RAY RUSK, Sale Manager, Wellington, Kan.

R. D. Tiller, Auctioneer

Don't forget the Don Fisher Sale, October 22, at Meade

A Quality Offering of Carnation, Man-O-War and Ormsby Breeding

★ The ARTHUR PEHLE DISPERSAL

CLEAN HERD ON TB & BLOOD-TESTS. CALF VACCINATED.

Sale At Auction

SATURDAY

OCT. 27

Starting 11:00 A. M.

NEW HAVEN

MISSOURI

At Pehl Crest Farm,
10 miles west of town.

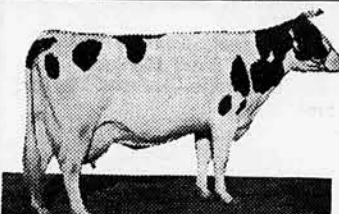
This sale is a complete dispersal of the choice small herd developed by Judge Pehle during past 15 years. HIR 2x testing. Official Classification and showing at the B & W Shows and American Royal for several years.

60 REGISTERED HOLSTEINS

The PEHLE HERD is very attractive in type and contains many known show winners and show prospects, as well as several family groups outstanding for future development. In HIR development the practice has been to have the females calve within the year and run at pasture in all seasons. The 2x records are mostly from 245 to 290 days, but run to 584 lbs. HIR. Many excellent records now in progress. Former herd sire: Son of Carnation Ormsby Sir Bessie, the son of "Butter King." Present herd sire: Showy, son of Carnation Keyman (son of Black Magic), from 4.2% "Knollwood" dam.

Catalog ready October 15, distributed free at farm, or sent by 1st Class Mail at 25c per copy.

A. W. PETERSEN, Sale Manager, Oconomowoc, Wis.



Complete Dispersal of DAIRY CATTLE November 1

on farm 7 miles northwest of

Alta Vista, Kansas

47—HEAD CATTLE—47

20 HEAD HIGH GRADE HOLSTEIN COWS—Giving milk. From 2 to 8 years old. 2 Springer Heifers. D. H. 1. A. records up to 500 lbs. butterfat.

11 Head Long Yearling Heifers—Open. Sired by proven sire.

10 Head Heifers, 4 to 6 months old.

4 Head Artificially Sired Heifers.

Above cows TB. and blood tested within 30 days of sale.

3-Unit Surge milking machine. Surge water heater, washing vat and 8-can International milk cooler 1 year old.

SALE BEGINS PROMPTLY AT 1 P. M.

Catalogs will be furnished day of sale, with individual records.

FRED T. BROWN, Owner, DWIGHT, KANSAS

Lunch will be served on grounds. Bert Powell, Topeka, Auctioneer

COMPLETE DISPERSAL of 30 REG. BROWN SWISS



Sale at 2 P. M. — 1/2 mile west and 1/2 mile north of
Hartford, Kan., or 10 miles east and 8 miles south of
Emporia, Kansas, Wednesday, October 24, 1951.

28 head of Cows in milk, Bred Heifers, Yearlings and Calves. Two outstanding young Bulls—one service age. Implement and Dairy Equipment sale in forenoon.

For sale catalog and hotel reservations write to

F. S. HAMPTON, Owner, Hartford, Kansas

RELIABLE ADVERTISERS ONLY
ARE ACCEPTED
IN KANSAS FARMER

BERT POWELL

AUCTIONEER

LIVESTOCK AND REAL ESTATE

1529 Plass Avenue

Topeka, Kan.

GEORGE S. TURNER --- COMPLETE DISPERSAL SALE COLORADO'S OLDEST BREEDER---NOVEMBER 8, 1951

Please Note: Sale will be held in Nob Hill Sale Pavilion, Colorado Springs

40 Head Milking Cows — 20 Head Bred Heifers — 20 Head Open Heifers

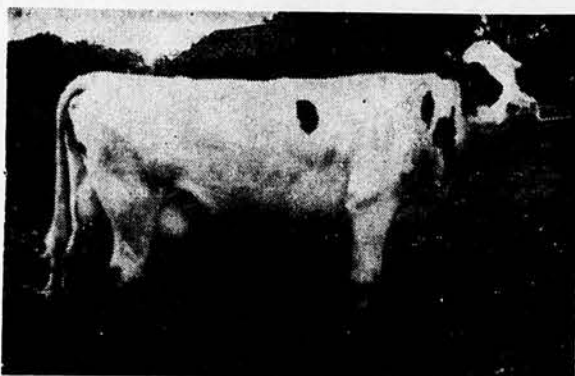


Selling—Note the good udders.



Selling—With 16 paternal sisters.

These amateur pictures of cows selling are a cross section of the herd: All 80 head are as nice as pictured animals.



George S. Turner established this herd in 1910.

Many of the good registered Holstein herds in the West trace their origin to Turner breeding.

Rigid testing and culling program carried on for years. Only the proven cow families were used. Strong in Ormsby bloodlines. Every animal selling is sound: Great brood cow families.

Golden Opportunity to Buy from One of Colorado's Best Holstein Breeders.

For Further Information and Catalog Write

George S. Turner
Canon City, Colorado

Auctioneers
N. L. and W. A. Warnock
Loveland, Colorado

Wendell Fuhrman, Sale Mgr.
556 N. 5 E, Logan, Utah



Don't Forget Never Before in Kansas—a Sale Like This THE CENTRAL KANSAS HOLSTEIN BREEDERS FALL CONSIGNMENT SALE Hutchinson, Kan., October 25 and 26

at Kansas State Fairgrounds at 12 o'clock noon each day

140 Head—26 Consignors—4 Complete Dispersals

Representing Kansas, Oklahoma and Missouri Breeders.

70 HEAD SELLING EACH DAY

20 Cows selling, including 7 classified (Very Good) 28 Head of 2-year-olds
5 4-year-old Cows and 3 are (Good Plus) 27 Head of Bred Heifers
21 Head of 3-year-old Cows 27 Head of Open Heifers and Heifer Calves

The bulls are consigned by Adams Acres, T. A. Burgeson, Waldo Mueller, St. Josephs' Home, Levi Miller, Schneider Bros., Abe Thut and Raymond Ohlde. They show type, high record and nearly ready for service. Attend this sale for your future herd sire.

Catalogs out October 15 — Lunch available all day.

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

Auctioneers: Stanley and Cole

Mike Wilson for Kansas Farmer

REGISTERED POLAND CHINA BOAR AND GILT SALE November 8



1:00 P. M. at the farm

The offering is sired by Grand Parade, Rowe's Choice, Wonder Boy Jr., Santa Fe and Chieftain Boy. Out of sows that are daughters of Wonder Boy, Broad Top, Dress Parade, Western Buck and others. This is grand champion bloodlines. 28 open gilts and 12 boars. This offering is bred right and raised with their future usefulness in view.

J. J. HARTMAN & SON, Elmo, Kansas
Mike Wilson, Auctioneer

HALLMARK FARM JERSEY DISPERSAL

Kansas City,
Missouri
Monday,
Oct. 29, 1951



Sale will be held at the farm, 110th and State Line Road, Kansas City, Mo. Sale starts at 12:30 P. M.

This sale will offer you the opportunity to buy foundation Jersey developed in one of the oldest continuous breeding units in the breed. Continuous testing, showing and classification for many years give pedigrees on these cattle that are complete with information. Two very desirable herd sires will sell: Design Dynamo—Excellent Proven Sire whose get has been quite outstanding—and Highfield Prudent—Excellent—winner of 20 championships at leading shows. A number of progeny of each sire will also sell. Most of the older females selling are daughters of Superior Sires, such as Crystal Star Oxford Sultan, Excellent; Hallmark Double Observer, Excellent; and Highfield Nobly Standard, Excellent. On the lower line the top brood cow families of the herd are represented: the Brides—the Endowments—the Faiths—the Gold Cups, etc.

AN IDEAL CHANCE TO PURCHASE TOP JERSEYS
Only the catalog gives full information.
Write for one to:
LAURENCE B. GARDINER
Sale Manager
1863 Cowden Avenue Memphis 4, Tenn.

REG. JERSEY BULLS

Sired by a "Very Good" 5-Star bull and "Very Good" dams with records ranging from 500 to over 700 pounds of butterfat. Several ready for service.

HIGH POINT JERSEYS

A. L. MILLER, Partridge, Kansas

AYRSHIRES

We have a few females for sale. A cow will be fresh soon, a Bred Heifer to calve in February, a couple of yearling heifers. All backed by good production records and type classification.

ONE OUTSTANDING YEARLING BULL
PRAIRIE BLUE FARM
Dwight E. Hull & Sons, El Dorado, Kan.

The J. K. BURNEY- RIDGE RUN-JERSEY SALE at Aurora, Mo., on September 17 average \$263 on 104 head selling. This was a complete dispersal and the sale was considered to be reasonably good. Animals were sold in pasture condition. Bull top was \$875 and the buyer was Mr. and Mrs. R. G. Ridgeway, Cairo, Mo. High-selling female at \$710 went to Elijah Black of Mehl, Tex. Crowd was estimated at 250. Tom McCord, assisted by press representatives, conducted the sale. Laurence Gardiner, Memphis, Tenn., was sales manager.

ALLEN KETTLER, Duroc breeder of Paola, made an annual boar and gilt sale on September 27. Forty-four head were sold, only 10 of this number were sold to Kansas breeders. Rathke Bros., Beemer, Nebr., purchased the top priced boar at \$105. Harry Duval, Belleville, purchased the top-selling gilt at \$110. Boars averaged \$52. Females averaged \$51. The whole offering averaged \$52 per head. Local interest and demand was not too good on account of floods and poor crops in the locality. The offering was very well conditioned. Tom Sullivant was auctioneer.

The MISSOURI HOLSTEIN BREEDERS SALE, Springfield, October 12, attracted a crowd estimated at 500. Seventy lots were sold for an average of \$523.36, with a top of \$2,400. The high cow at \$2,400 was a Clyde Hill Farm consignment from Clyde. Buyer of this sale top was Lendol L. Davis, Duncan, Okla. Four head sold from \$1,000 to \$1,290. As in all dairy cattle sales this fall, bargains of the auction were in the open heifers and cows and heifers that had been bred only a short time. The Missouri sale average last year was \$16 higher but only 55 lots were sold. Bert Powell was auctioneer.

Thursday, October 4, Duroc breeders from throughout Kansas gathered at Horton for their ANNUAL FALL SALE OF SPRING BOARS AND GILTS. Ralph Schulte, Little River, purchased the top-selling boar. This was a fine pig coming from the Arthur E. Roepke consignment, Waterville. Vern Hardenburger, Narka, consigned the top-selling gilt; she was sold for \$195 on order by Don Washburn, fieldman for the Duroc Record Association. She will be sent to McElroy and Bray, Salina, Tex. This was considered one of the good Duroc sales so far this season. Tom Sullivant sold the offering.

HARTLEY STOCK FARMS, Baxter Springs, breeders and producers of registered Shorthorns, held their annual fall sale September 28 at the farm. A total of \$925 was paid for the top-selling bull by Rueben Kortner, Gladen, Nebr. This was a July 17, 1950, son of Glasse Dura. The females scored a top of \$520 on an open heifer, also a daughter of Glasse Dura. She sold to Fern Jones, Galena. Thirteen bulls averaged \$607; 29 females averaged \$394 and 42 head selling made a general average of \$460 per head. The sale was managed by Merv Aegerter, Seward, Nebr. C. D. Swaffar was auctioneer.

GLENN F. WISWELL & SON, owners of the Wiswell Poland China Farm at Spring Hill, held their annual production sale September 24. The boars sold in the sale for an average of \$77.50. The bred gilts averaged \$90. And a few spring gilts were sold at an average of \$53 per head. E. F. Henderson, Kansas City, was heaviest buyer. This was probably the finest offering the Wiswells have ever put before the public. Their sale date turned out to be one of the very worst days in the season. It rained from morning until night. It was generally felt that if weather conditions had been more pleasant, the sale average would have been somewhat higher. Mike Wilson sold the offering.

There was a large crowd from several states at the GREGG FARM Shorthorn dispersal held at Silver Top Farm, Belton, Mo., on September 17. They were there from many states and they made it possible to sell 178 lots for \$129,245 or an average of \$726. Twenty-nine bulls averaged \$753 and 149 female lots averaged \$720.

Top bull sold at \$2,650, an April 2-year-old and a full brother to Gregg Farm Hoarfrost, the Kansas State College bull. He was purchased by Cantwell Stock Farms, Sterling. Second and third high-selling bulls at \$1,350 went to Illinois and Texas buyers. R. E. Smith, Houston, Tex., bought several bulls and he owned a number of females when the sale was concluded. Outstate buyers bought about all the bulls.

High-selling female lot at \$2,750 was the cow Gregg Farm Cluny Clara with bull calf. This cow, mother of the \$2,650 sale top bull and Gregg Farm Hoarfrost, sold for \$1,525 to H. Albers, Dixon, Ill. Her bull calf, brother to the 2 bulls just mentioned, sold for \$1,225. Second high-selling female was Village Marigold May. She was bred to the Gregg Farm champion, D. W. Bishop, Gashland, Mo., paid \$1,600 to own her. Third high-selling cow at \$1,585 went to John Meyers, Coldwich, Missouri and Kansas buyers got their share of the good Shorthorns from one of the well-known breeding establishments of the Midwest. The sale was managed by Mervin F. Aegerter, Seward, Nebr. Auctioneers were J. E. Halsey, Ray Sims, Paul Good and Russell Feedback. Press representatives assisted in the ring.

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	\$39.00	\$38.75	\$31.00
Hogs	21.75	21.00	20.65
Lambs	31.25	30.50	28.75
Hens, 4 to 5 lbs.25	.25	.21
Eggs, Standards52	.53	.37
Butterfat, No. 166	.62	.55
Wheat, No. 2, Hard ...	2.46	2.39 1/2	2.24 1/2
Corn, No. 2, Yellow ...	1.77	1.76 1/4	1.42
Oats, No. 2, White ...	1.00	.93	.85 1/2
Barley, No. 2	1.38	1.30	1.30
Alfalfa, No. 1	37.50	35.00	38.00
Prairie, No. 1	23.00	21.00	16.50

Poultry Specialist Joins K-State

Dr. Abraham Eisenstark has joined the Kansas State College staff to do research work on Newcastle and other virus poultry diseases. He also will teach bacteriology. Doctor Eisenstark was formerly associate professor at Oklahoma A & M College.

When Handling Sheep

(Continued from Page 4)



THIS FLOCK of ewes is going to pay for his farm, says Lawrence W. Dillman, Lyon county. Mr. Dillman is doing an outstanding job of management with a minimum of equipment.

brisket and deflects his charge. A few tries and he usually gets the idea.

There are 2 periods when Mr. Dillman uses these sticks. When new rams are brought onto the farm and when sheep have just been sheared.

Other important points in the Dillman management program include drenching in spring, spraying with BHC at shearing time and feeding phenothiazine and salt.

Over on the Marion Boggs farm, also in Lyon county, you can learn from Mr. Boggs that small things can throw you when you are starting in on an early-lamb program. He switched from native ewes to Texas ewes and early lambs 2 years ago.

"At least that is what I wanted to do when I got my first Texas ewes, but I had trouble getting my ewes bred for early lambs because of 2 things that happened." "I'll take part of the blame for that," spoke up Luroy McDougal, Lyon county Extension agent. Mr. McDougal continued the story:

"We assumed," he said, "that the ewes didn't need worming. That was our first mistake. Then, Mr. Boggs put the ewes on some good brome grass and we thought that would be sufficient to flush them without the addition of grain. It wasn't."

"Those 2 mistakes put me way behind on the lambing program," says Mr. Boggs, "and I had lambs coming over a 4-month period, starting in January." At this point, however, Mr. Boggs succeeded in doing a fine job of getting his late lambs weaned early so

the ewes could be bred back. Lambs born as late as April were successfully weaned by the middle of May. Rams were turned in with the ewes the last week in May.

As a result of good management at a critical period in his program Mr. Boggs this year has his first lambs coming in October instead of January and expects the majority of his lambs to come during November and December.

A good point in ram management is practiced on the Boggs farm. Rams are kept penned and on grain during the day and are turned out with ewes only at night. "This is especially important with a young ram," Mr. Boggs says. "If allowed with the ewes on a full 24-hour basis he can go downhill in a hurry."

The Boggs sheep shed is a good example of the fact that it does not take expensive equipment to handle sheep. His shed is of cheap pole-type construction, yet entirely adequate. But here, again, a little thing has proved important. The outside roof edge is only 5 feet above the ground. "It should be 6 feet," Mr. Boggs says, "as I am always banging my head on the roof. It wouldn't have cost much more to add another foot to the height when I was building it."

Right now Mr. Boggs is busy rebuilding and extending his fencing so more fields can be used in rotation grazing for his flock. He hopes to cut down on both labor and feed costs by better use of pasture.

Fall Garden Jobs Very Important

By WILLIAM G. AMSTEIN, Kansas State College

MOST home-garden plantings need a little attention before winter makes its appearance. Jobs that need to be attended to are: (1) Harvest of any late vegetable crops. (2) Plowing 1952 garden site. (3) Protecting fruit trees against rodents. (4) Preparing to protect strawberries by mulching. (5) Inventorying replacement needs.

Many gardens may have several crops still available for harvest, for example, root crops such as beets, parsnips, carrots and turnips. Another fine crop in many gardens is Chinese (celery) cabbage. Spinach may be available, also.

This fall is best time to prepare the 1952 garden site. By plowing now you can be ready for early-spring plantings. Waiting until spring may mean your early garden will be a near failure instead of productive as it can be. Applying a coating of manure is good practice. Before plowing, any tomato plant remains should be picked up and burned rather than turned under. This may help handle some disease problems that might be carried over if plants are turned under.

Many of our most valuable young fruit trees are lost or injured annually by rabbits or mice early in fall and winter. One of the first jobs needed is to clean away leaves, grass and trash for about 2 feet around base of trees. Likewise, rabbit guards should be placed around young trees. Protection is provided by painting or wrapping the trunk. A permanent protector is the best answer since it will be available when needed. Heavy paper such as sisalkraft can be used to give good protection. Newspaper mats are often

available for this and are effective.

Apple trees are more likely to be subject to rabbit damage over a period of years than are peach, cherry and plum trees. However, for the first few years all kinds of fruit trees may be injured by rabbits.

Much of our annual loss of the best portion of the strawberry crop can be avoided if plans are made to mulch the planting before severe freezing weather occurs, usually in early December. We are not aware of this freeze damage because as a rule the entire planting is handled the same way. In addition to reducing freeze damage to strawberries, quality of harvested fruit will be greatly improved because mulch will keep fruit cleaner and easier to harvest and prepare. In addition, next spring a mulch will by itself cut down the weeding job, since many weeds will be smothered. Wheat straw, prairie hay, leaves, and similar materials can be used as mulch. From 3 to 5 inches of material should be used at time the cover is applied. If baled straw or hay is used more care is needed to shake it out so it does not smother part of the planting.

Still another fall job that should be attended is inventorying the present fruit planting to determine what trees, vines or plants need to be replaced. When leaves are still on it is easier to pick out those that have been lost. Wet weather may have injured many plants this summer. In addition to locating plants needing to be replaced it is well to order them now so the order may be filled as desired. Fall planting of fruit plants can be made in many cases to advantage.

Periodic **WORMING** of LAYING HENS increases egg production

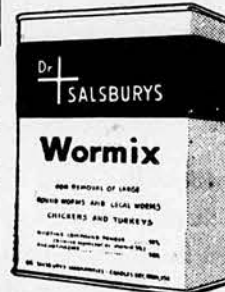
Get The Most
Out Of Your Laying Flock

REMOVE

**Large Roundworms
and Cecal Worms**

PERIODICALLY

with
**DR. SALSBUARY'S
Wormix**



**Flock Wormer...
Easy To Use, Easy On Laying Hens**

Wormy birds cost you money in wasted feed, stunted growth, lower egg production. You can check this serious problem by worming your pullets periodically with Dr. Salsbury's WORMIX. Birds do better... worm removal helps egg production. Proven effective on millions of birds. Easily used in the feed, it expels large roundworms and cecal worms.



Which Bird Has The Worms?

**Birds That Look Normal
Are Often Wormy**

You can't always tell by appearance whether or not a bird is wormy. Better breeding, feeding, etc., often make wormy birds "look" normal. So, don't take the chance of losing money in wasted feed and low egg production, due to worms. Worm your flock this easy, low-cost way and be on the safe side.

If you prefer individual treatment... use Dr. Salsbury's ROTACAPS. Expels large roundworms and intestinal capillaria worms.

Get more eggs from your laying hens by worming them. See your Dr. Salsbury dealer at hatchery, drug or feed store. Dr. Salsbury's Laboratories, Charles City, Iowa.

**When you need poultry
medicines, ask for**

Dr.

SALSBUARY'S

BUY UNITED STATES SAVINGS BONDS

FOR **QUICKER
REPAIRS**
ON THE JOB...



CUT THE BOLT YOU NEED—TO ANY SIZE

FROM

REDI-BOLT
THREADED STEEL RODS

Redi-Bolt is precision cut to fit standard nuts... is 20% stronger than ordinary steel. Special rust resistant finish.

HEAT AND BEND TO MANY SHAPES



ASK YOUR HARDWARE OR IMPLEMENT DEALER

Or write to **REDI-BOLT**, Dept. KAF, P. O. Box 6102, Chicago 80—Distributor Inquiries Invited

When a breakdown occurs, you can repair the damage in minutes with Redi-Bolt. Just fit nuts to the ends and saw it off to size.

6 SIZES
1/4" to 3/4"

STANDARD 3-FT. LENGTHS

TWO STATE SALE OF RED POLL CATTLE

A choice offering of Dual-Purpose (Butter-Beef-Beauty) Cattle Sell at the fair grounds



Topeka, Kan.

at 12:30 on
October 26

The Sales Offering—This is the all red, all polled breed that give such an excellent account of themselves under average farm conditions.

SELLING 35 FEMALES AND 10 BULLS—Selling springer cows, cows with calves, bred and open heifers. They are consigned by Missouri and Kansas breeders. Health—Tb. and Bang's tested sales offering with clean health papers.

For catalog write to

J. E. LOEPPKE

Penalosa, Kan., or

JERRY VYROSTEK

Weatherby, Mo.

Auctioneers—Bert Powell and J. E. White

McPHERSON COUNTY Milking Shorthorn Sale Moundridge, Kansas Thursday, Nov. 8, 1951 (NEW 4-H BUILDING—1:00 P. M.)

20 FEMALES—10 BULLS
THE FARMERS KIND FOR THE FARMER

A select group of females and bulls for the farmer and breeder. Offering includes a few polled animals.

For catalog write

C. O. HEIDBRECHT, Sale Mgr.
Inman, Kansas



2 Good Bulls

by CK Crusty 12th go to the

**North Central
Kansas**

Hereford Sale

at Belleville, October 30
The dams of these bulls are granddaughters of Real Silver Domino 22nd, grand champion bull at the Chicago International. They are well developed, well bred and will do good for their new owners. Don't fail to look up these 2 bulls on sale day.

DR. J. S. WHELEN, Owner
CONCORDIA, KANSAS

MULVANE RANCH DISPERSION

December 3 and 4

SELLING 500 HEAD



Registered Herefords at the 4E Ranch headquarters. Beau Perfect 246th sire of champions and top sellers. Francis Davis of Rossville is foreman of Mulvane Ranch. 4E Ranch is located 5 miles south and 1 mile west of Topeka. It is stocked with 200 head of registered Herefords.

ALLEN ENGLER & SONS, Owners
TOPEKA, KANSAS

KANSAS STATE ABERDEEN- ANGUS BREEDERS' ASSN. ANNUAL SHOW and SALE STATE FAIRGROUNDS NOVEMBER 7, 1951

Show at 9:30 A. M.—Sale at 1 P. M.
Judge: Otto G. Nobis, Davenport, Ia.

49 Females—60 LOTS—11 Bulls

For catalogs write

DON L. GOOD, Kansas State College
Manhattan, Kansas

Auctioneer: Roy Johnston
Mike Wilson for Kansas Farmer

ANGUS are a good SOUND INVESTMENT

• **MODERN BEEF TYPE.** Naturally-hornless Angus rate superior as economical beef producers. They mature quickly . . . convert feed efficiently . . . return a good profit.

• **COMMAND PREMIUM PRICES.** Packers pay more for Black steers because they dress out a premium carcass and a higher percentage of salable beef.

• **LARGER CALF CROPS.** Heifers and cows have less calving trouble for Angus calves have smaller polled-shaped heads. Gives you more calves to sell. For information, write American Angus Ass'n, Chicago 9, Ill.

COMPLETE DISPERSAL

UPHAM AND JUNGHANS

Herd of High Producing Grade **HOLSTEINS**

Selling at farm, 3 miles southeast of

Junction City, Kan.

Tues. Nov. 6, 1951

12 NOON SHARP



SELLING 90 HEAD

45 Milk Cows. 7 Heavy Springer Cows. 31 Cows now in production. 6 Heavy Springer Heifers 2 and coming 3 years old. 6 Bred Heifers 2 and coming 3 years old. 17 Yearling and coming 2-year-old Heifers. 16 head of this years Heifer Calves. The Bull Lazy Dell Cherry Supreme, sire of past two years calves, comes from a dam who last year made better than 700 lbs. butterfat.

This is a herd of young and healthy cows and they have been on DHIA test for past 5 years. All heifers have been calfhood vaccinated. These cows will be tested within 30 days of sale. Individual health papers and records furnished on day of sale.

Write for free catalog

RALPH UPHAM & ROLAND JUNGHANS, Owners
Junction City, Kansas

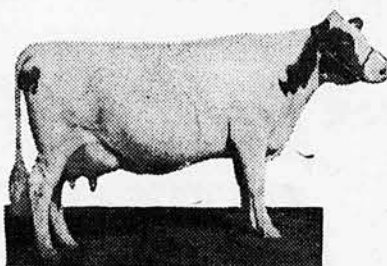
Auctioneer: Bert Powell

Mike Wilson for Kansas Farmer

COMPLETE DISPERSAL

OF ENTIRE HERD

of MURL KORTZ and W. C. CUMMINGS



Mon., Oct. 22

12 o'clock

Ingalls, Kan.

1 mile north, 2 miles east, 3½ miles north and ½ mile east at the Murl Kortz farm.

2 miles north, 3 miles west, 3½ miles north, ½ mile east of Cimarron.

50 Registered Ayrshire Cattle

The Kortz herd is headed by a son of the Champion over Scotland, son of Nether Craig Decimer (selling). The Cummings herd is headed by a son of the \$15,000 Good Acres Triumphant, also 7 daughters and sons selling, 3 daughters and 1 son of \$6,250 Shirley Ayr Headman selling. This is one of America's best bred herds, consisting of cows and heifers in milk and others closely to calving, open and bred heifers and bulls of service age. Every animal pledged to sell.

Health: Tb. and Bang's tested—individual charts furnished.

Terms: Cash. Catalog available sale day.

Lunch served by Federated Church ladies of Ingalls

For catalog and further information write or call

HAROLD CHRISPENS, Sales Mgr. and Auct.
Sublette, Kansas

Dairy CATTLE

ROCKY MOUNTAIN SALE

50 BROWN SWISS 50

Rich in popular
blood lines

FOR CATALOG WRITE FRED SUSSEX
FORT MORGAN, COLO.

SALE TIME—12 NOON—OCTOBER 30
ISLAND GROVE PARK—GREELEY, COLO.

SUNNYMEDE HOLSTEINS

Bulls of service age for sale.

Burke Breeding—Proven Herd Sire

PABST BURKE LAD STAR

Son of "Burke," junior herd sire

PABST ROBURKE ADMIRAL
Son of Pabst Roamer

Sunnymede herd has completed 21 years of continuous test (2x) in the Holstein-Friesian herd test.

C. L. E. EDWARDS

Route 9 Topeka, Kansas

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 occasionally. Visitors always welcome.

J. D. & E. E. FELLERS, Hays, Kan.

DAIRY CALVES

Cows, Bulls from Wisconsin's largest bonded distributors. Tested, registered Holstein, Guernsey, Swiss on approval. Low cost. Free bulletin. Write MR. FORBES, Dairyland Cattle Company, 1203 West Canal Street, Milwaukee, Wis.

NEMAHA VALLEY HOLSTEINS
Rock-Burke breeding. HIR ave. 543.7 lbs. fat. Records up to 1,000 lbs. fat 3 yr. 2x. Bulls of service age and younger for sale.

Mrs. H. D. Burger & Son, Seneca, Kansas

ROTHERWOOD

Land of Oz

Offers 2 outstanding 4-H Jersey Heifers—
heifers which SHOULD win next year!

A. LEWIS OSWALD

JOHN C. OSWALD

HUTCHINSON, 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., Brandon, Va.

FOR SALE Ayrshire Bred Heifers, First Calf
Heifers and a few choice Bull
Calves, one bull nine months old, dam's records
average over 500 lbs. fat. Phone 6532
CHESTER O. UNRUH, Hillsboro, Kansas

Beef CATTLE

FOR SALE CHOICE REGISTERED HEREFORD BULL CALVES

6 to 9 months old. Herd bulls prospects, sired by
Larry Domino M 20th, grandson of Larry Dom-
ino 50th.
LEONARD B. JOHNSON, Alta Vista, Kansas

POLLED HEREFORD BULLS

FOR SALE
Six to 18 months old, also a few Heifers.
GEORGE L. RIFFEL & SON, Hope, Kansas

Reg. Polled Herefords

For Sale—Cows and Heifers
These are high quality cattle and the best blood-
lines in the country.
WESLEY WALKER & SONS, Fowler, Kansas

REGISTERED HEREFORDS

For Sale—5 Bulls, 17 months old, in good pasture
condition.
LEODORE HERPICH, Rt. 1, Herington, Kan.

REGISTERED HEREFORDS

Bulls and heifers sired by our son of **WHIR Royal**
Tredway 8th. Our bull has sired 3 out of 4 of the
champion bulls in the last 2 Hereford Sales in
Abilene.
JONES HEREFORD FARMS, Detroit, Kansas

REG. ANGUS CATTLE

FOR SALE. 5 Cows, 1 2-year-old Heifer and 1
yearling Heifer.
HUGH A. BLODGETT, Rt. 1, Manhattan, Kan.

REG. ABERDEEN-ANGUS

Now offering a few young bulls, cows and heifers.
CHESTNUT & RAILSBACK, Quinter, Kansas

RAIFALFA SHORTHORNS

Selling March and April Heifer Calves. Also, red
bull calf, same age.
Ralph Lupfer, Raifalfa Farms, Larned, Kansas

REGISTERED SHORTHORN BULLS

FOR SALE. Calves to yearlings. Dark roan
and reds. Farmers prices.
GLENN E. LACY & SON, Miltonvale, Kansas

CATTERSON & ARCHER

Production Sale of ABERDEEN-ANGUS



PRINCE ARCHLAND 40 1397600. This bull sells. His sire is Prince Erica of Archland. His half brother and 2 half sisters also sell.

Sale held at the Maryville Auction Company on highway 71 at the south edge of

MARYVILLE, MO.

WE SELL ON

Tuesday, October 30

(Time 12:30)

70 HEAD SELLING
36 Cows with Calves—30 Heifers—4 Service-age, Bulls, including Prince Archland 40 1397600 pictured here.

WE FEATURE POPULAR FAMILIES BY POPULAR BRED SUNBEAM BULLS

For sale catalog write to

Leo L. Archer

Sales Manager OWNERS Conception, Mo.

CATTERSON BROS.

Maryville, Missouri

ARCHLAND FARMS

Leo L. Archer, Conception, Mo.

ANNOUNCING

GREEN VALLEY'S "TV" ABERDEEN-ANGUS SALE

Saturday, November 3
at Liberty, Mo.

(9 miles north of Kansas City, Mo.)

50 HEAD SELLING

5 BULLS—45 FEMALES including
7 Maid of Bummers, 3 Blackcap Bessies,
7 Missouri Barbaras, 2 Jilts, 2 Juana
Ericas, 1 Witch of Endor, 1 Georgiana,
1 Essay.

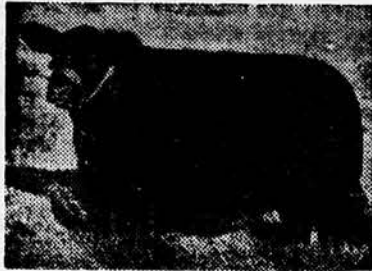
Sale Headquarters—Continental Hotel, Kansas City, Mo.

For catalog write to

GEORGE DeHAVEN, 526 Law Bldg., Kansas City, Mo.

Auctioneer: Roy Johnston and Ray Sims

Bert Powell with this publication



50 HEAD SELL IN THE

GRASSLAND ANGUS BREEDERS SALE

Sale will be held at the Silver Top Farm
Belton, Mo.—Wednesday, Oct. 31
TIME 1 P. M.

SELLING 10 BULLS—40 FEMALES

The offering is made up of 10 bulls of service age; 40 females consisting of a few bred cows, a few cows with calves and bred and open heifers. Bloodlines are Elleenmore, Sunbeam, Bandollers. We feature the get and service of some of the best bulls of the breed. A carefully inspected sales offering. They were inspected by a sifting committee and only top individuals taken.

16 Consignors to Grassland Sale (all from West Central Mo.)

For sale catalog write to M. B. BURRUSS, Sec., Blairstown, Mo.
GRASSLAND ABERDEEN-ANGUS BREEDERS' ASSN.

Roy Johnston, Auctioneer

Don Bowman with this publication.



COWGILL POLLED HEREFORD RANCH INVITES YOU TO OUR ANNUAL FALL SALE, Mon., Oct. 22, 1951

The Monday after the American Royal

at farm headquarters, 5 miles east of Milan, Mo.

"UNDER COVER"

260 HEAD OF REGISTERED AND HIGH GRADE CATTLE

REGISTERED CATTLE
60 HEAD—50 LOTS

5 Young Bulls
10 Open Heifers
25 Bred Heifers
10 Registered Cows
10 1951 Calves

APPROXIMATELY 200 HEAD OF OTHER CATTLE
70 Head of Hereford Heifers, some with polled breeding, all dehorned and calfhood vaccinated for Bang's.

BRED TO REGISTERED POLLED BULLS

130 Head of other cattle consisting of high grade Cows, Calves and yearlings, both steers and heifers.

Featuring the blood of SR ADVANCE DOMINO 2ND and MODEST C LAMPLIGHTER
Registered Cattle Sale Starts at 1:00 P. M. — Other cattle will sell following Registered Sale.

D. H. COWGILL & SONS, Milan, Missouri
Don Bowman for Kansas Farmer



SEE US AT THE
KANSAS POLLED
SHORTHORN SALE
November 8
at Hutchinson

We are selling 3 Heifers and 3 Bulls, including 3 head by Oakwood Senator X, 1 by Coronet Regal Count X, and 2 by Kiowa Coronet 10th X. Kiowa Coronet 10th X was the sire of the champion heifer in the 1949 show and sale, and the champion bull in 1950, also the reserve champion 4-H heifer in the 1951 Kansas State Fair.

LOVE AND LOVE
PARTRIDGE, KANSAS

We now have for sale some very promising
4-H PUREBRED
SHORTHORN STEER CALVES

Also my 4-year-old Mercury bull, a half brother to the three William Thorne bulls, that have been grand champion at the state fair and top-selling bulls in the state sale. These steer calves are sired by him. We would also sell some young bred cows and heifers.

ROBERT J. CROCKETT
Kinsley, Kansas

POLLED SHORTHORNS

in Hutchinson
State Sale

November 8



Selling a pair of roan heifers sired by Dale Collynie 11th X. Also have bulls for sale at the farm, see these before the sale. Or write for more information.

HARRY E. ESHELMAN
Sedgwick, Kansas

Consignment to Salina

We will sell 2 good Bulls at Salina, October 26. One dark roan and one red, sired by Prince William 17th. You will like them.

ADAM DIETZ, Galatia, Kansas

MUR-LEN FARMS SHORTHORN DISPERSION SALE

"Where the Pedigrees read like 'who's who' with quality to match"

Tuesday, October 30, 1951



Lenexa, Kansas

AT THE LENEXA COMMUNITY SALE

PAVILION

Lenexa is just 13 miles west of Kansas City on

U. S. Highway No. 50.

SALE AT 1:00 P. M.

SELLING

4 Bulls, all ready for heavy service, including the 1950 Mid-Kansas grand champion and top selling bull.
42 Females, including 14 Cows with calves at foot. 18 Bred Cows and Heifers and 10 Open Heifers.

ALL THESE SELL—Prince Favorite 3d, grand champion bull of the 1950 Mid-Kansas Show and Sale—grandson of Edellyn Royal Favorite by Lawton Favorite. From a Miss Goldmine 2nd dam by M F Goldmine by Supreme Goldfinder. Three other young yearling bulls by Royal Scot, and a son of Killlearn Max 104th.

42 FEMALES—not a cull in the bunch. Daughters of Killlearn Max 104th, Calrossie Supreme, Edellyn Valiant Mercury, Sni-A-Bar Silver Mercury, Edellyn Royal Favorite, Beaufort Command, Mercury's Major, Divide Alert, Marellbar Cap-A-Pie and others.

The Mur-Len herd was started with a foundation from Merryvale Farms in 1944, with other choice additions made in purchases at Mid-Kansas and Kansas State sales from practically every leading herd in the state. Every animal sells as a regular producer and of top quality because owner Murrel Crump purchased only the best. His other business make this dispersion necessary.

MURREL and HELEN CRUMP, Owners, Olathe, Kansas

See these cattle at Mur-Len Farms, one half mile east of Olathe

For the catalog and other information address—

MERVIN F. AEGERTER, Sales Manager, Seward, Nebraska

Auctioneer—J. E. Halsey

North Central Kansas Shorthorn and
Polled Shorthorn Show and Sale

Thursday

October 25

SHOW 9 A. M.

BULLS

Many ready for heavy service.



H. H. Shearer Sale Pavilion

SALE 1 P. M.

FEMALES

Outstanding individuals with the most desirable bloodlines.

CONSIGNORS

HOMER ALKIRE, Belleville
H. D. ATKINSON & SON, Almena
RALPH BAYLES, Garrison
S. A. AMCOATS, Clay Center
EMERSON S. GOOD, Barnard
S. A. HILL, Smith Center
MATT MORITZ, Tipton

JULIUS OLSON, Leonardville
ANDREW PETERSON, Beloit
J. DEE SHANK, Superior, Nebr.
LEO SCHMITZ, Marysville
R. R. WALKER & SON, Osborne
S. S. ZEIGLER, Palco
ED VISSELE, Riley

This offering of purebred Shorthorns will please you. Plan to attend the Annual Banquet and election of officers of the association at 7:30 P. M. on Wednesday, October 24.

Several choice steer calves suitable for 4-H Club and FFA projects will be sold at 12 Noon, October 25.

For catalog and other information write EDWIN HEDSTROM, Secretary, Marysville, Kansas
Bert Powell, Auctioneer

LAST CALL FOR THE

Kansas Polled Shorthorn Consignment Sale, Nov. 8
and Kansas Shorthorn Consignment Sale, Nov. 9

Kansas State Fairgrounds, Hutchinson, Kan.

Polled Shorthorns will show at 8:30 A. M., November 8

Shorthorns will show at 8:30 A. M., November 9

Each sale will commence at 12:30 following the show.

The annual banquet will be at the Wiley Tea Room the night of the 8th. Make your reservations with the sale manager.

The offering this year is of very high quality and of the breeds best bloodlines.

For your copy of the sale catalog write

LOT F. TAYLOR, Sale Manager, Manhattan, Kansas

C. D. Swaffar, Auctioneer

Mike Wilson for Kansas Farmer

KANSAS MILKING SHORTHORN SALE
Hutchinson, Kan., Wed., October 31, 1951
(At State Fair Grounds—12:30 P. M.)

40 Head Choice Reg. Milking Shorthorns

Selected from Some of the Leading Herds in Kansas

12 Cows, 9 RM fresh and to be fresh—5 Bred Heifers—17 Open Heifers, some old enough to be bred and younger ones that will make excellent 4-H projects—6 Young Bulls of herd-heading quality. Also a few Calves.

Popular and Proven Bloodlines — Ideal for Foundation Purposes

Sale Sponsored by KANSAS MILKING SHORTHORN SOCIETY

For catalog write C. O. HEIDEBRECHT, Sale Manager, Inman, Kansas

Auctioneer — Gus Heidebrecht

M.F.A. ARTIFICIALLY SIRED CONSIGNMENT SALE

This is a sale of Registered and Grade Jersey, Guernsey and Holstein Cows and Heifers. Ages 8 months to 5 Years.

Sale held at the M.F.A. Breeding Farm 3 miles south of

Springfield, Missouri, on highway 123

Sale Starts at 10:30 A. M. on

100 Head Sell on Friday, November 2

For information write

M.F.A. ARTIFICIAL BREEDING ASSOCIATION

SPRINGFIELD, MO., BOX 591

Auctioneers — Bert Powell and Tony Thornton

North Central Kansas Hereford Association Show and Sale



★ ★
Tues., October 30
BELLEVILLE, KAN.

at the Fairgrounds

60 Choice Registered Herefords

30 Bulls — All Ages — Herd Improvers
 30 Females—Cows with Calves—Bred & Open Heifers

Show at 9:30 A. M. — Auction at 12:30 P. M.

CONSIGNORS

Chester Anderson, Clyde
 Frank Brokesh, Munden
 August H. Carlson, Smolan
 Paul Dahl, Webber
 Walter L. Hadley, Portis
 Paul Hadley, Portis
 Mervin A. Hayden, Concordia
 Elmer L. Johnson, Smolan
 Willis E. Keil, Jr., Concordia
 L. A. Lohrengel, Greenleaf
 Lull Hereford Farm, Smith Center
 Lawrence Olson, Kackley

Fred Osterkamp, Waterville
 Hal Hamsbottom, Munden
 Eugene L. Rizek, Munden
 Lewis A. Rizek, Munden
 Stanlot Acres, Belleville
 Carl M. Swenson, Concordia
 Emil L. Swenson, Concordia
 W. C. Throne, Chester, Nebr.
 Woodrow W. Ulin, Hunter
 Ed Valek & Son, Wayne
 J. S. Whelan, Concordia
 L. E. Welch, Hubbell, Nebr.

For sale catalogs write to

GEORGE C. WREATH, Sale Mgr., Belleville, Kan.

Sale sponsored by the
NORTH CENTRAL KANSAS HEREFORD ASSOCIATION

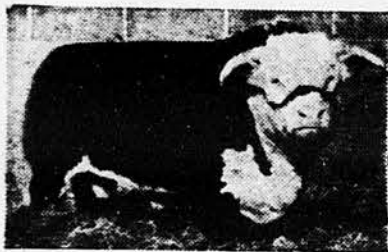
Auct.: Gene Watson, Hutchinson

Mike Wilson for Kansas Farmer

THE FIFTH ANNUAL

Opportunity to Purchase

Good Cowley County Herefords



Sale to be held at the comfortable
 Armory Building at

Arkansas City, Kan.

November 7, 1951

34 BULLS — 17 FEMALES

CONSIGNORS:

J. Blaine Adams, Dexter
 Brazzle & Bush, Dexter
 Chas. H. Cloud, Winfield
 Robert N. Hearne, Arkansas City
 C. C. Sherwood, Silverdale
 J. Jay Williams, Burden

E. B. Shawyer, Douglass
 Kenneth Tharp, Winfield
 Alfred Taylor, Udall
 Kenneth Waite, Winfield
 Boyd Waite, Winfield
 C. P. Williams, Burden

For catalog write

CHAS. H. CLOUD, Sale Mgr., Winfield, Kan.

Gene Watson, Auctioneer

Mike Wilson for Kansas Farmer

VALLEY VIEW RANCH Presents Its 11TH ANNUAL ARMISTICE DAY HEREFORD SALE

1:30 Sharp — on ranch 3 miles west and 3 1/4 south of

Haven, Kansas — Saturday, November 10, 1951

PRODUCTION SALE — 50 HEAD

22 COWS AND CALVES—10 BRED HEIFERS—10 OPEN HEIFERS—3 BREEDING BULLS
 Exceptionally good FFA and 4-H prospects. Our neighbor, O. W. Fishburn & Son, will add
 some top quality bred cattle bred to their herd sire M. Larry Prince by M. W. Larry Domino
 48th, a son of Larry Domino 50th.

W. H. TONN & SON

HAROLD TONN, Auctioneer

PLAIN VIEW FARMS PRODUCTION SALE OF REG. POLLED HEREFORDS



November 21, 1951
 at the farm south of
Enterprise, Kansas
60 HEAD

In this sale there will be 10 bulls and 15 females by PVF Beau Advance. Advance More 9th reserve champion Polled bull at Ft. Worth in 1951. This bull also sells. Many of the heifers are bred to this top bull. Advance More 6th and 7th, one-half brothers to the 9th are very strongly represented in the offering. Advance More 6th was the top-selling bull in our last sale. We retained one-half interest in this bull so that we might use him in the herd. Polled Larry Domino, a great sire, is selling because so many people have requested that we put him in the sale. There will be 8 granddaughters of the grand old bull PVF Advance Worthmore 2nd. 14 heifers by Worthmore Return. Also a top herd bull that is a son of him. 2 grandsons of PVF Worthmore 2nd. Never before have you had the opportunity to purchase Polled Herefords of such rich breeding.

For catalogs and information address:

PLAIN VIEW FARMS

Jesse Riffel & Sons, Owners, Enterprise, Kansas
 Mike Wilson for Kansas Farmer

MID-WEST POLLED HEREFORD ASSOCIATION SHOW & SALE

November 9
Deshler, Nebraska

Show at 9:00 A. M.
 Sale at 1:00 P. M.



Earl Blanchard, Oshkosh, Nebr., will judge the show.

The Banquet and Get-together will be Thurs., Nov. 8, 7:00 P. M.

37 Bulls—22 Females. From the following herds:

K. Abercrombie, Moorefield, Nebr.
 Lyle L. Best, Wood Lake, Nebr.
 Roy Bader, Burlington, Colo.
 D. A. Cramer, Chester, Nebr.
 Menno Claassen & Son,
 Beatrice, Nebr.
 W. Lin Doty, Burchard, Nebr.
 Alfred Fattig, Cambridge, Nebr.
 Rudolph Hoops, Byron, Nebr.
 Kenneth Kuhlmann,
 North Platte, Nebr.
 Wm. F. Kuhlmann, Chester, Nebr.
 L. H. & W. O. Kuhlmann,
 Chester, Nebr.

R. A. Madsen & Son, Minden, Nebr.
 Louis R. Mattock, Bladen, Nebr.
 Westey Paul, Davenport, Nebr.
 R. E. Psota, North Loup, Nebr.
 F. L. Robinson & Son,
 Kearney, Nebr.
 Jack V. Sell, Chester, Nebr.
 Fred Sukovaty, Plymouth, Nebr.
 Melvin Schienmeyer, Superior, Nebr.
 Erich E. Legtmeyer, Burchard, Nebr.
 W. C. Throne, Chester, Nebr.
 Albert D. Witt, Syracuse, Nebr.
 Ed Valek, Wayne, Kan.

For information and sale catalogs write to

FRED C. DUEY, Sale Manager, Chester, Nebr.

Charley Corkle, Auctioneer

GOLDEN WILLOW RANCH ANNUAL SALE REGISTERED POLLED HEREFORDS FRIDAY, NOV. 16, 1951



SALE STARTS AT 1:00 P. M.

Golden Willow Herd Sires
 CMR MISCHIEF DOM. 30th
 5334726-316112
 SILVER D. MISCHIEF 19th
 3753516-359327
 BEAU BATTLE
 4458179-258580

SELLING 65 LOTS

20 Bred Heifers
 5 Cows, calves at side
 15 Open Heifers
 15 Bulls (serviceable age)
 10 Bulls (short yearlings)

PLAN NOW TO ATTEND THIS SALE

To reach GOLDEN WILLOW RANCH from Pittsburg, Kan.:
 12 miles east of Besse Hotel, on highway 126; from Joplin, Mo.:
 22 miles north of Connor Hotel, on highway 43.
 Be Sure to write for our sale catalog today. Just drop a card or letter to
 GOLDEN WILLOW RANCH, Rt. 1, LIBERAL, MISSOURI
 Geo. E. Harmon, Rt. 1, Liberal, Mo.—Owners—Geo. K. Brinkman, Bx. 185, Pittsburg, Kan.
 Auctioneer: Hamilton James Bert Powell with this publication

ANNUAL REGISTERED HEREFORD PRODUCTION SALE



November 10, 1951

Horton, Kansas

at the Civic Center Building

50 HEAD

14 head of Heifers sired by CK Cascade 36th. They are well grown, well developed and ready to breed. 9 Yearling Heifers daughters of WHR Royal Tredway 55th. 11 head of serviceable-age bulls, sons of the 55th. 3 Bulls sired by JCP Larry 4th. 3 Bulls by Battle Mixer 15th. 11 Calves sired by Battle Mixer 15th. Also several calves sired by WHR Royal Tredway 55th. 7 head of high quality Heifer Calves not registered. 26 head of Range Cows 4 to 5 years old, exposed to Battle Domino 74th since June 15.

This offering is of the top bloodlines of the breed. They are produced under ordinary farm conditions, and will really make good for their new owners.

For catalog write the owners:

WILLIAM BELDEN, Horton, Kansas, and

AL. J. SCHEUTZ, Mercier, Kansas

Jewett Fulkerson, Auctioneer

Mike Wilson for Kansas Farmer

POLLED HEREFORD DISPERSION



at Wellington Sales Pavilion

Wellington, Kan.

(Night Sale) 7:00 P. M.

November 15

103 HEAD—30 Bulls, 58 Females, 15 Calves

2 herd Bulls—Pawnee Domino 34, son of Pawnee Domino 8th, the Walbert Ravenstein herd sire, and P. V. F. Advance Triple W, son of P. V. F. Advance Worth 2nd the 1942 and 1943 champion bull owned by Jesse Riffel & Sons.

There are 40 Brood Cows, 15 with calves by side. Cows sired by Plato Domino 9th, Prince Bullion 1st and Prince Bullion 62nd of John Ravenstein breeding and others by the above 2 herd sires. 8 Bred Heifers sired by the 2 herd bulls. 10 Open Heifers and 18 long Yearling Bulls all by these 2 herd sires. 10 Bull Calves 8 to 10 months old. The 40 cows and 8 of the heifers are bred to these great sires.

FRANK WORDEN, Owner, Burden, Kan.

Write **VIC ROTH, Sale Manager, Box 702, Hays, Kansas** for sale catalogs

The females are of Ravenstein & Son breeding. They are the thick and easy fleshing kind.

Don't forget the John Ravenstein sale the day of November 15.

Mike Wilson for Kansas Farmer

CENTRAL KANSAS POLLED HEREFORD BREEDERS' ASSOCIATION SHOW & SALE

November 20 - Herington, Kansas

at the Fairgrounds

Herington is located on the Rock Island and Missouri Pacific Railroads and on Highway 77 and 50 N. Also an airport close to the fairgrounds.

55 Head of Cattle Selected from Good Herds Representing the Best Bloodlines in the Midwest

Walter Lewis, Larned, will judge the show in the A.M. Sale will be at 1 P.M.

A banquet will be held the evening of November 19 for Hereford breeders, families and friends

Make your reservations early with

O. J. SCHIELDS, Sec.-Sale Mgr., Lost Springs, Kan.

BARNES HEREFORD RANCH SALE

Saturday, November 3, 1951

at the ranch 1½ east and 6 north of

COLLYER, KANSAS



MIXER LAMPLIGHTER

70 HEAD

20 Bulls, 50 Heifers

12 long Yearling Bulls, ready for service by Tredway Triumph and Mixer Lamplighter. 1 herd bull, Mixer Lamplighter. 7 fall yearling bulls. 1 herd bull 2 years old B. R. Royal Heir a Dan Thorton bred bull. 30 bred heifers by Prince Domino Mixer (closely related to Larry Domino) also a number by Mixer Lamplighter and Western Lamplighter (heifers are all bred to Tredway Triumph and B.R. Royal Heir). 20 open heifers mostly sired by Tredway Triumph 21 grandson of WHR Royal Tredway 9th (Duttlinger bull) and Mixer Lamplighter.

ALL CATTLE ARE TB. AND BANG'S TESTED

All Heifers Calfhooed Vaccinated

Send for catalog to

E. J. BARNES, Collyer, Kansas

Gene Watson, Auctioneer

Mike Wilson for Kansas Farmer

LINCOLN COUNTY HEREFORD ASSOCIATION SHOW & SALE

Wednesday, November 7, 1951

SYLVAN GROVE, KANSAS

Show 9:30 A. M. — Sale 1:00 P. M.

31 Bulls — 52 HEAD — 21 Females

Many of Bulls are of serviceable age—Bred Cows—Heifers—Open Heifer

CONSIGNORS

F. R. BLANDING, Barnard
DALE MITTLEN, Sylvan Grove
FLOYD SOWERS, Vesper
ARTHUR GOLDGRABE, Sylvan Grove
OETTING BROS., Beverly
EDWIN GOLDGRABE, Sylvan Grove
ELMER REBENSTORF, Sylvan Grove
LAWRENCE MITTLEN, Sylvan Grove

O. M. WRIGHT, Vesper
LEWIS WILLIAMS, Hunter
ARMIN MEITLER, Lucas
KO CATTLE CO., Sylvan Grove
GEORGE MURRAY, Jr., Barnard
WALTER GOLDGRABE, Sylvan Grove
JIM WRIGHT, Hunter

Sale Committee: Armin Meitler, Walter Goldgrabe, C. A. Abercrombie,
George Murray, Jr., President

For catalog write **JIM WRIGHT, Secretary, Hunter, Kansas**

Freddie Chandler, Auctioneer

Walter M. Lewis, Judge

Mike Wilson with Kansas Farmer

COLLEGE OF AGRICULTURE AND MECHANICAL ARTS
LIBRARY
OCT 24 1951

NEW SOURCES OF OIL must continually be found in order to increase America's petroleum reserves even over their present peak, the highest in history, to insure petroleum for the nation's growing defense requirements. Industry's goal calls for a repetition in 1951 of the all-time high of 43,400 wells drilled last year. Yet the costs of finding and proving new fields and drilling in old fields continue to rise. In ten years from 1940 to 1950 Standard Oil's average cost of drilling a well, including "wildcats" and wells in proved fields, has more than doubled.

DRILLING A WELL CAN PUT YOU IN THE HOLE

Who hasn't dreamed of striking oil? Drilling an oil well can be an exciting way to success—or it can put you in the hole.

The cost of finding oil in the ground is now several times greater, per barrel found, than it was ten years ago. A "wildcat" drilling operation can represent an outlay of fifty to a hundred thousand dollars, sometimes runs over a million dollars. And you run a big risk; on an average, seven out of ten "wildcats" result only in a dry hole in the ground.

Finding oil is only the beginning. Standard Oil's subsidiary companies drill hundreds of wells in proved fields, pump oil from the fields through thousands of miles of pipelines to refineries where it is made into vast quantities of products. Our modern research laboratories continually test and improve the more than 2,000 products we make. Finally, we distribute these quality products to locations where it is convenient for you to buy.

Right from the well up, it's a big job to provide the petroleum products on which the nation's industry and security depend. It takes many sound, profitable companies—large and small—to do it, for only a company that makes a profit can invest in the constantly improved facilities necessary to meet constantly increased demand.

Because Standard Oil is a big company, because Standard Oil makes a profit, we can do our share of the big job. To do it successfully is our obligation to America and to three large groups of Americans: our millions of customers, our 46,700 employees, and our 116,000 owners.

Standard Oil Company



PART OF THE BIG JOB of bringing you high quality gasoline and oil products is done by Martin Pekarik of our Wood River, Illinois refinery. He's one of the 46,700 employees of Standard Oil and its subsidiary companies. Last year each of these employees was backed by an average investment of \$31,400 in tools and equipment which helped him produce more, earn more and have steady work.



PART OF THE BIG JOB is made possible by the investment of our stockholders. One of our 116,000 owners is Mrs. Margaret Sitton Jackson of Sedalia, Missouri, who has worked for the same company for 37 years and has owned Standard Oil stock for more than 25 years. As a return to our stockholders on their investment, we pay dividends and have paid dividends for 58 consecutive years.



PART OF THE BIG JOB is paid for out of profits from sales to customers like J. C. Clark of Peoria, Illinois. Because millions of people like our products and buy them, we have grown big. Because we are big, we are able to serve you better with constantly improved products at reasonable prices. The price of gasoline, for instance, today is about the same as in 1925, without taxes. Yet its performance is much better.