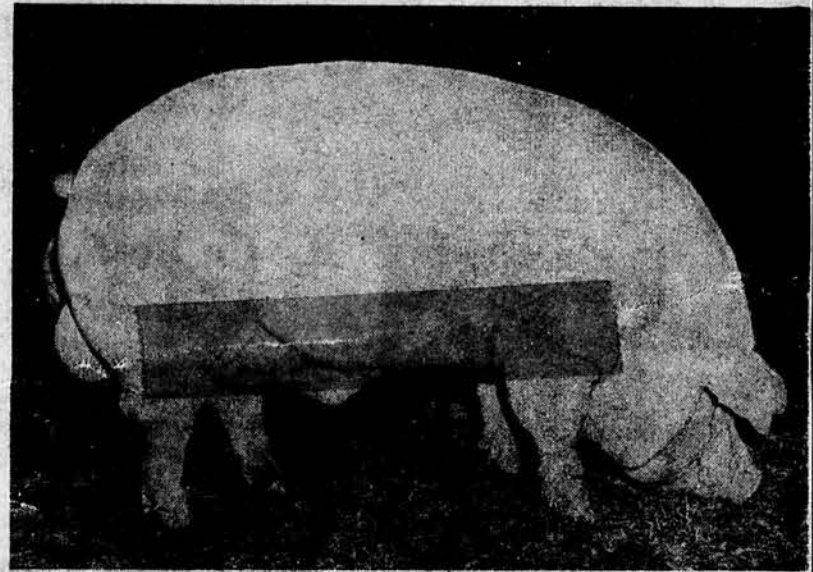


Kansas Farmer



PORTABLE HAMMER MILL, mounted on small tractor and lifted and lowered by hydraulic power, has been big laborsaver for Eldon Mosler, young Labette county hog breeder.



ONE OF TOP show boars used by Eldon Mosler, Labette county, is Perfect Sensation, seen here at 1951 Iowa State Fair.

1953 Will Be A Good Hog Year

—Eldon Mosler

With feeding situation improved, breeding stock intact, he is ready to expand to meet a stronger hog market

I BELIEVE 1953 is going to be a good hog year and I'm making plans accordingly," says Eldon Mosler, young Labette county farmer. He stood in the hog lot watching some of his fine Chester White breeding stock soaking up a load of whey he had just brought from town. Mr. Mosler reviewed the 8 years of triumphs and heart-breaks since he started with his first bred gilt as a 4-H and FFA project at the Labette County Community High School, in Altamont.

"That first bred Chester White gilt was purchased thru the school," said Eldon, "and my experience with her led me into the purebred hog business. I kept that first gilt for 4 litters, and started building a herd by keeping most of the gilts from her first 2 litters."

Having started in 1944, Eldon built up a nice little herd of his own by 1947, but he wasn't satisfied with the quality of his breeding stock so he made a momentous decision. "I sold everything I had and bought 6 bred gilts from outstanding Chester White herds in Ohio and Indiana," he says.

[Continued on Page 28]



TO SAVE COSTS, Eldon Mosler quit buying corn and raised sorghum grain to feed his hogs. Here he is shown examining some of the new grain.

- Rock Crop Big Thing Page 6
- What Happened in 1952 Page 10
- The Farmer Grows a House Page 18

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In offering these Plans to farmers, Long-Bell is following its 78 year old policy of giving its customers the finest... in materials and service! These Plans were designed and engineered by the Agricultural Extension Departments of four Colleges: the University of Missouri; Kansas State University; Oklahoma A. & M. College and the University of Arkansas, and Long-Bell has been given permission to reproduce them for free distribution! The use of these Plans will result in more durable, economical, practical structures... in construction that insures greater efficiency and profitable operation on a farm. Plans are complete with working drawings and material lists... nothing is left to chance!

Remember... these Plans are free to farmers. Just stop in and talk over your farm building needs with the Long-Bell building consultant. His courteous assistance will enable you to make a wise choice of Plans and materials!

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MISSOURI
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Springdale

Plans for buildings shown and many others, are yours for the asking, at Long-Bell.

Long-Bell
LUMBER COMPANY

You Are Welcome



Gary Neilan

Dear Mr. Gilkeson: I wish to express my appreciation for the scholarship I was awarded by *Kansas Farmer* as state champion 4-H reporter for 1952.

I am sure this award was a factor in my being selected as state and sectional winner in the Community Relations activity, resulting in a trip to the National 4-H Club Congress in Chicago.

I feel that the *Kansas Farmer* reporters contest is an incentive to young news writers to do their best work, and am sure it was an encouragement to me.

On behalf of our 4-H Club, I also wish to thank you for the \$15 which was added to our treasury.—Gary Neilan, Cheyenne Co.

engage in construction of flood control electric power and irrigation projects of the agency. States and the Federal Government would have equal voice.

Hold Feed Conference

January 13 and 14 are dates set for the 8th annual Kansas Feed Conference at Kansas State College campus, Manhattan. Latest developments in feed and nutrition studies will be presented by state and out-of-state speakers.

Research specialists from several agricultural colleges will be present to discuss results with livestock and poultry feeding experiments. There will be a panel discussion on "The Kansas Feed Situation—and What Can Be Done About It?"

F. W. Atkeson, head of dairy bandry department at KSC, is chairman of the conference committee.

Elect Eisenhower

Milton Eisenhower, former president of Kansas State College and now president of Pennsylvania State College, has been chosen co-chairman of a National Citizens Committee for Educational Television. The committee will assist communities in setting up local committees for educational television.

Build 78 Ponds

Chautauqua county farmers built stock water ponds in 1952, 13 miles of terraces and diversions on 42 farms and 17 acres of grassed waterways.

Used the Articles

Dear Editor: I have read your articles in *Kansas Farmer* on mental health and also have used parts of articles to bring the subject before Farm Bureau unit, as I am chairman

COMING, JANUARY 17

When many Kansas 4-H Club members go away to college they join Collegiate 4-H Club—made up of former members. We have 2 such clubs in Kansas (Kansas State College and at Fort Hays State College) and they're both active in fun and service. Watch for a story on these clubs in your January 17, 1955, issue of *Kansas Farmer*.

Missouri Basin States Draft a Proposal

Delegates at the Missouri River States 2-day meeting in Omaha, Nebr., in December, approved a federal-state planning and co-ordinating commission to administer the \$11,000,000,000 Missouri Basin land and water program.

The committee unanimously voted to submit to Congress a draft of a federal-state compact which would set up a commission to replace the present Missouri Basin Inter-Agency Committee. Final action on this compact requires ratification by legislatures of 7 of 10 basin states, plus Congressional approval.

The proposal would establish a commission with one member appointed by each state and from 3 to 5 commissioners appointed by the president. Each

of the mental health program. I would appreciate very much any bulletin material you can send me that might help impress the need for treatment for the mentally ill children. Thank you very much for any material you might send.—Mrs. C. J. McAnis, Wilson Co.

Guest Studies at KSC

Developments in agriculture stock breeding were studied for several days at Kansas State College recently by Colin Kelly, ranchman and livestock breeder of Melbourne, Australia. While in Manhattan he was a house guest of Dan Casement, prominent stockman.

KANSAS FARMER

Continuing Mail & Breeze

ARTHUR CAPEER... Publisher (1893-1954)
121-123 West 8th St.
Topeka, Kansas
Vol. 90, No. 1

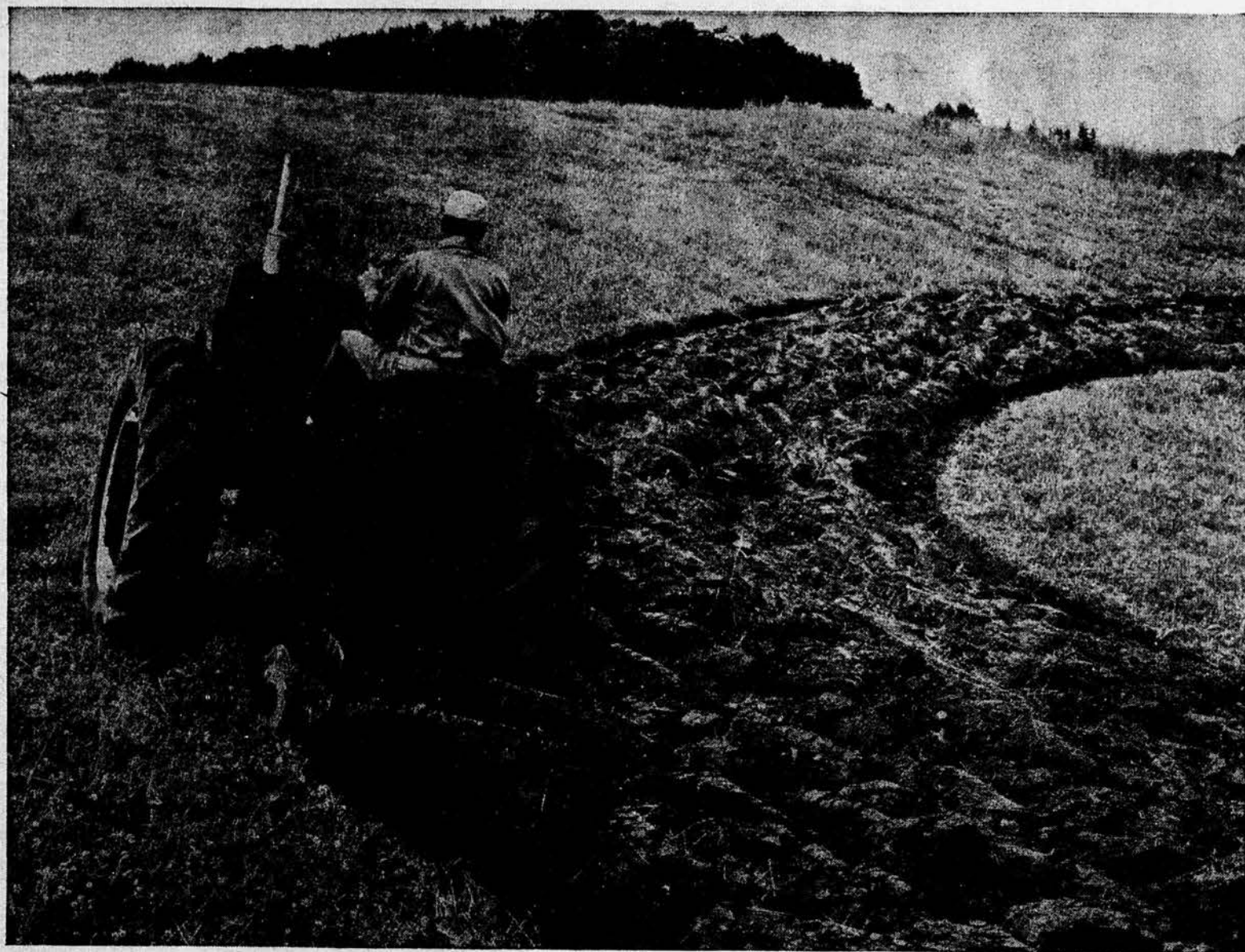
H. S. BLAKE... President and Publisher
Raymond H. Gilkeson... Editor
Dick Mann... Associate Editor
Gordon West... Associate Editor
Mike Burns... Associate Editor
Florence McKinney... Women's Editor
Dr. C. H. Lerrigo... Medical Department
Mike Wilson... Livestock Editor
J. M. Parks... Protective Service
Scheri L. Walquist... Advertising Manager
A. E. Carson... Circulation Manager

Member: Audit Bureau of Circulations, Agricultural Publishers Association, National Association of Magazine Publishers.

Published the first and third Saturdays of each month at Eighth and Jackson streets, Topeka, Kan., U. S. A. Entered as second class matter at the post office, Topeka, Kan., U. S. A., under Act of Congress of March 3, 1879.

Three years, \$1; one year, 50 cents. Copyright 1954 by Arthur Capeer.

state would have one vote; the federal commissioners have a total equal to all the states. The commission would be restricted to formulating a broad plan, reviewing detailed plans of existing federal and state agencies, and making recommendations. It would have no power to compel action and would not



More than a Tractor...

it's a new Work-Saving way of farming

Now you can be in the field quicker, and home earlier, with a greater feeling of accomplishment. Engine power of the Allis-Chalmers WD is harnessed in *seven* work-saving ways... more than in any other farm tractor.

Seven ways, it lightens your farming load.

Engine power does it all:

1. Spaces drive wheels. 2. Boosts traction automatically. 3. Lifts and controls mounted implements. 4. Powers harvesting machines stop-or-go with Two-Clutch Control. 5. Controls pulled implements hydraulically. 6. Drives belt-powered machines. 7. Gives you 3-plow pull, with 35.80 engine horsepower.

Take the word of power-wise farmers who know. The WD actually does the work of heavier tractors... saves time, fuel and effort at every turn.

Jobs melt away with this seven-way work-saver. It takes the armwork out of farmwork!

◀ **IMPORTANT NEW FEATURES** — 4-speed helical gear transmission, with a lower low and higher high! Speeds are 2 1/2, 3.5, 4 3/4, and 10 3/4 mph. Quietest! Smoothest! Longer wearing! New easier-riding hydraulic seat.



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

... do it with Engine Power

POWER SHIFT DRIVE WHEELS — change wheel spacing instantly for every tool and row width. Faster hitching! Easier plowing! Higher yields!

TRACTION BOOSTER — automatically adds weight on drive wheels to increase traction. Permits mounted hydraulic implements to hold level depth.

TWO-CLUTCH CONTROL — Hand clutch stops tractor without interrupting power flow to PTO machines. Like having an extra engine!

"My McCormick Farmalls[®] help me feed 3,700 head of livestock

Says Henry Longmeyer, Greenfield, Ill.

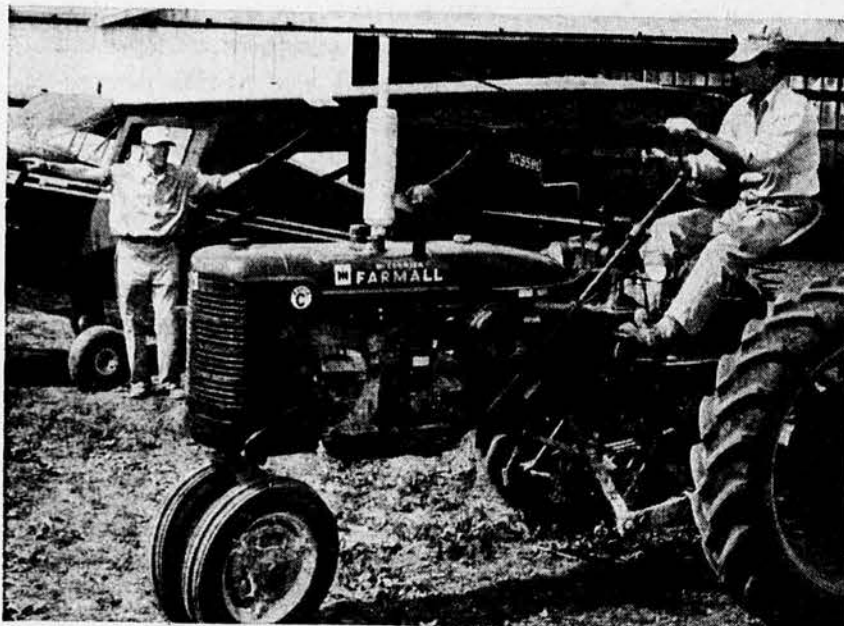


"Feeding and caring for 1,500 cattle and 2,200 hogs makes it necessary for us to sandwich field work between chores to make the most profitable use of our time," says Henry Longmeyer. "That's why we like fast-moving Farmall tractors and McCormick equipment.

"We like Farmall pull-power, too. Here's a typical example. I was trying to plow a 30-year-old pasture with a 'two-plow' tractor. The plow kept creeping out of the ground. It was doing a ragged job. Then I tackled this tough sod with my brand new

Farmall Super C. It plowed quite a bit faster. The McCormick two-furrow, direct-connect plow stayed in the ground and did a nice plowing job.

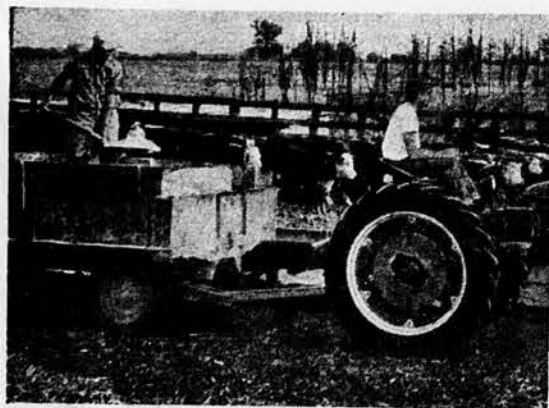
"Soil-building legumes, lots of fertilizer, Farmall power, McCormick equipment, and good management have helped us to restore the productivity of our 700-acre stock farm. My first crop, planted nineteen years ago, hardly returned the seed," reports Henry Longmeyer. "Now, our corn goes 90 to 100 bushels to the acre. Our pastures carry four times as many steers."



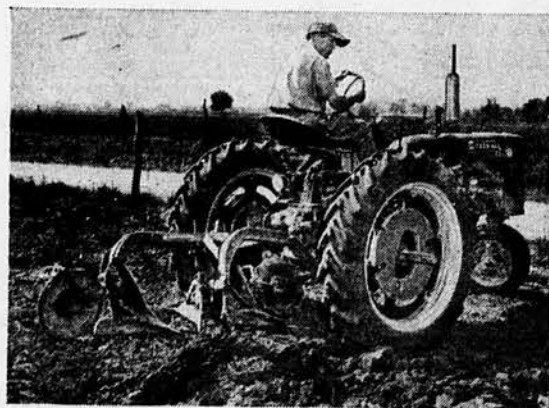
"My Super C is as modern as my airplane," says flying farmer Longmeyer as he prepares to take off on a cattle buying trip. "This tractor has latest type disc brakes that make pin-point turns easy. Handy controls and easy steering make the Super C easy to 'pilot' on any farming job."



"Our two Farmalls eat up work fast," says Mr. Longmeyer. "The Farmall M handles my toughest jobs, while the Super C saves money on mowing, cultivating, and other light work." Here are Mr. Longmeyer, on the Super C, and John Durham, on the Farmall M, plowing 5 furrows between them . . . 2 acres an hour!



"My Super C turns so much shorter than my old 'two-plow' tractor that I've been able to add two bunks to my feeding floor, so my steers can eat without crowding. The Farmall Super C is handy for all our chore jobs."



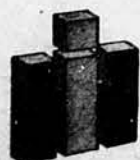
"I boss my work without straining my back when I lift, lower, and adjust working depth of McCormick plows and cultivators with Farmall hydraulic Touch-Control. It also speeds turning at the end of the field."



"IH 5-Star Service saves time and trouble me," says Henry Longmeyer. "I know I can depend on service experts like Ken Wilson, of the L Implement Company, to keep my McCormick equipment working like new."

Your IH dealer can help you farm more successfully. He has Farmall tractors and McCormick equipment built to fit any size farm,

any type soil, or any system of farming. Ask for a demonstration, today. Prove Farmall superiority to yourself!



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Here Are 1952 4-H State Project Champions



John J. Brink
Public Speaking
Coffey County



Elaine Lunt
Public Speaking
Pratt County



Fred D. Cox
Meat Animal
Saline County



Harold Couchman
Dairy
Pawnee County



Gary Griffiths
Good Citizenship
Clay County



Naomi Stadel
Good Citizenship
Pratt County



Marguerite Jahnke
Food Preparation
Geary County



Beth Shafer
Frozen Foods
Shawnee County



Beverly Snodgrass
Dairy Foods
Demonstration
Butler County



Janie Haskin
Dairy Foods
Demonstration
Johnson County



Darrell Keener
Tractor Maintenance
Barton County



Lois Ann Batdorf
Canning
Franklin County



Carolyn Files
Dairy Foods
Demonstration
Johnson County



Ernie Trostle
Soil and Water
Conservation
Kingman County



Lester Phillips
Garden
Labette County



Marjorie Smerchek
Safety
Shawnee County



Tom Shinn
Achievement
Sumner County



Janice Miller
Achievement
Geary County



Helen Sterling
Health
McPherson County



Merlyn Worcester
Field Crops
Graham County



Arlos R. Rusk
Leadership
Sumner County



Luanne Hicks
Leadership
Sherman County



Anna Lee Nickel
Home Improvement
Marion County



Keith Swenson
Electric
Clay County



Bill Tharp
Poultry
Lawrence County



Mildred Hundley
Clothing
Atchison County



Vera Banman
Dress Revue
Nemaha County



Catherine Cain
Girls Record
Rush County

WINTERIZE YOUR FEEDLOT With Occo And Get Cheap Summer Gains

You winterize your car and tractor for better performance. You put up storm windows and switch to heavier clothing for comfort and health protection . . . BUT HOW ABOUT THE LIVE-STOCK IN YOUR FEEDLOT — ARE THEY WINTERIZED, TOO?

One of the most important elements needed for good health and production is missing during the winter months — VITAMIN D (the sunshine vitamin).

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HERE'S WHY IT'S SO IMPORTANT THAT YOU FEED OCCO REGULARLY . . . Calcium and Phosphorus are the life-giving minerals . . . BUT UNLESS SUFFICIENT VITAMIN D IS AVAILABLE TO YOUR ANIMALS THEY CANNOT ASSIMILATE AND USE THESE IMPORTANT MINERALS. Remember, Occo gives you all you need . . . calcium and phosphorus plus the right balance of trace minerals plus VITAMIN D. Ask your Occo Service Man to show you how you can WINTERIZE your feedlot for Summertime thrift and profit.

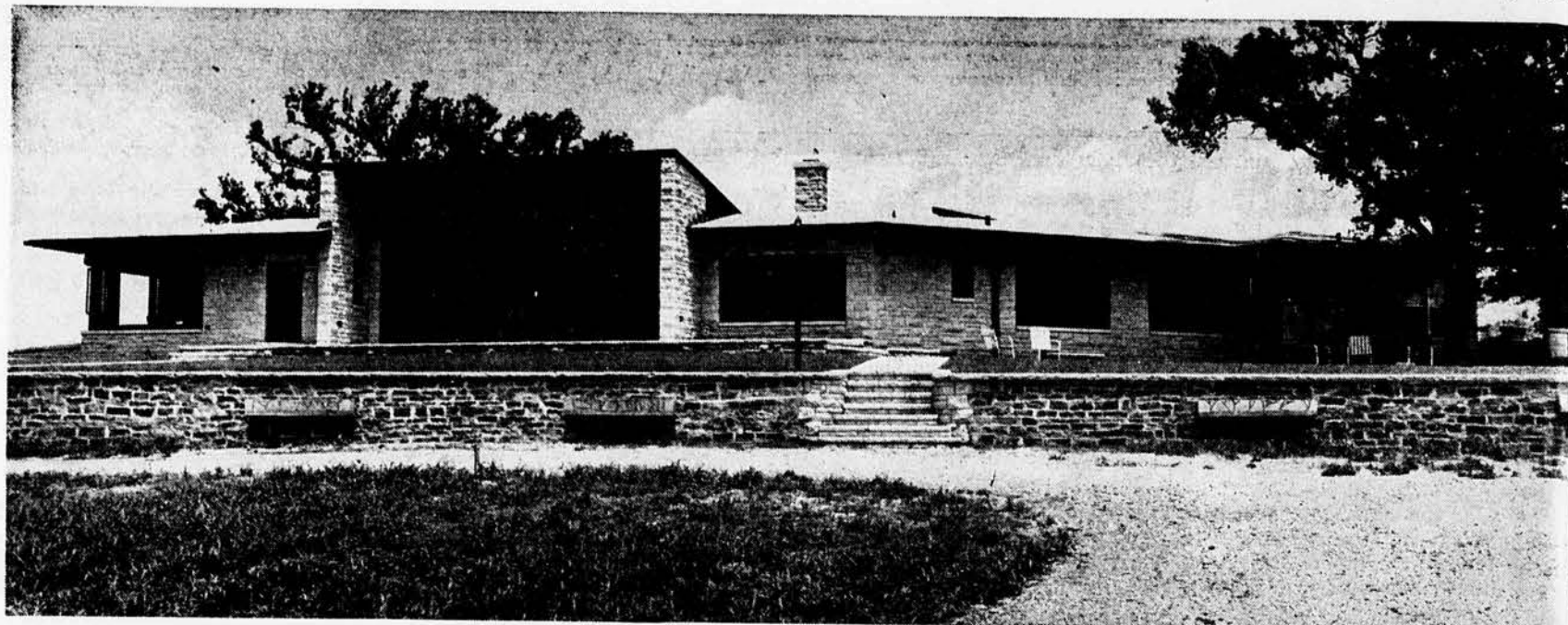
Start . . . THE OCCO BIG 3 FEEDING PLAN

IF YOU RAISE HOGS AND POULTRY . . . you need Occo Cin-Trate . . . Occo Mineral-Vitamin Supplement . . . and Occo-Lak added to your own grains to give your pigs and poultry all the protein, vitamins, minerals, antibiotic and other nutrients they need for faster growth, better health and higher production.

IF YOU RAISE DAIRY COWS, CATTLE or SHEEP . . . you need Occo Mineral-Vitamin Supplement and Occo-Lak to speed up rumen bacteria activity. These Occo-Fed rumen microorganisms rip rough feeds apart and "unlock" the vitamins and protein in your farm-grown feeds. The result is faster growing cattle . . . higher producing cows . . . better lamb crops and heavier wool . . . ALL ON LESS FEED.



Occo
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LOVELY COUNTRY HOME of Dr. and Mrs. L. C. Hays, Cedarvale, was made of Silverdale limestone. Many other fine Kansas homes and public buildings are built with this famous farm product.

Rock Crop

Big Thing on This Farm...

By V. E. LOWRY

Kansas quarries supply some of finest building stone used thruout the Nation

AT LEAST ONE farm family in Kansas is more interested in what's under its acreage than what is on top. We're talking now about C. H. Hockenbury and his 4 sons, J. C., J. H., Ed, and Hayden, who own and operate the Silverdale Limestone Co., of Arkansas City. "Dad" Hockenbury, as the elder partner is known, has been working at the same quarry 43 of his 72 years. As an employee and later, as owner, he has helped build up this stone industry from the days when large draft horses were used to do the quarrying, and all drilling of the stone was done by hand power. Now, the work is done with motor-driven derricks, gang saws and modern air compressors.

This period of transition from horse to modern motor has gone thru several phases. The original horse power eventually gave way to steam engines. Then, in 1932, Diesel motors replaced steam power. In 1937, when the present owners took over the reins, they installed gasoline motors that are still in use.

Within the last 2 years the old frame mill that was built 41 years ago has been torn down and a new, modern stone mill erected. A new

office building has been built of stone quarried on the farm and includes living quarters for the senior Hockenbury family. Four of the 6 houses owned by the company have been remodeled and enlarged, all with stone from the quarry.

Due to present and expected increase in demand for stone, the company is planning to build a cut-stone yard in the near future.

Altho the Hockenburys own 122 acres, "We can hardly be called farmers," says the elder Mr. Hockenbury. Then, he goes on to explain: "We just raise our own food and a little feed for some livestock. The rest of our land is all rented out. What we want is the stone underneath." And they quarry their stone right out from under the huge

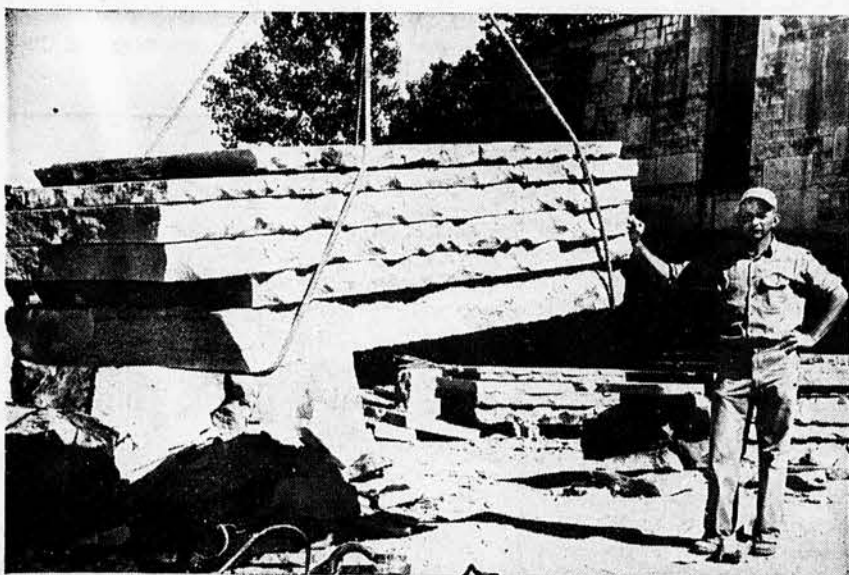
CUTTING STONE is tough on saws. Ed Hockenbury displays one of the 16-foot blades worn out from cutting stone. Each blade can be used for only 8 to 10 cuttings before being discarded.

hay meadows. In addition to quarrying right on their farm they have 80 acres of quarry leased in a 1,100-acre pasture near their farm.

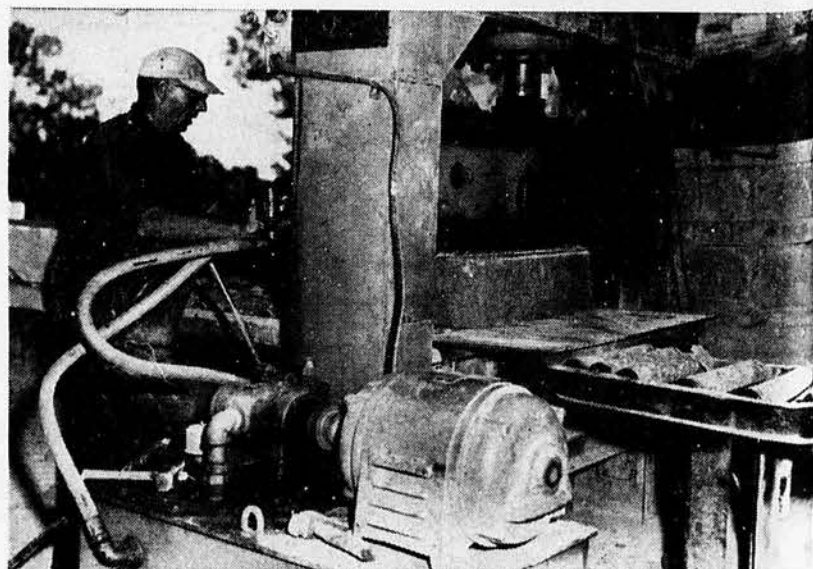
The stone strata on the Hockenbury farm runs from 2 to 3 feet in thickness and is all of one piece. This stone is brought to the quarry where it is sawed into slabs of varied thicknesses and shipped "in the rough" in 18-20-ton transport loads to contractors.

Nebraska builders probably use more Silverdale limestone than any other state, with Colorado running a close second. However, stone from the quarry is in demand in many states in this area.

We asked Mr. Hockenbury why the stone was cut in different widths. "This stone is used for veneering," he answered. "Favorite widths seem to be 8 inches, 5 inches and 3 inches. When these are cut up on [Continued on Page 7]



THREE JAGS like this one will be loaded onto a huge transport truck for shipment to contractors. When loaded, these transports will weigh 18 to 20 tons.



POWERFUL PNEUMATIC presses like this one split stone into strips for local contractors. The Silverdale company plans to expand this phase of business.

Kansas Farmer

News and Comment

You're Invited

THE EIGHTY-SECOND annual meeting of the State Board of Agriculture promises to provide topics of much interest for farmers all over the state.

This year the convention will be January 14 to January 16 in Topeka's spacious Municipal Auditorium. Early indications are that an even larger attendance than the 1,500 of last year will be present.

Secretary Roy Freeland has prepared an attractive program. Sessions are open to the general public, as well as to delegates of official farm organizations in the state.

An institution which has carried forward its original purposes since the days of the Kansas Agricultural Society in 1857, the State Board of Agriculture annually sponsors this meeting in the interest of Kansas farm people and Kansas agricultural advancement.

Last year, convention speakers brought forth new views on such current topics as rainmaking and proper practices for farming flooded land. This year, the program devotes ample time to national problems of agriculture as well as Kansas problems, such as the livestock roughage feed situation, butterfat problems, and proposed watershed legislation. U. S. Senator Frank Carlson will be one of the principal speakers of the convention.

There is a complete story of the convention in this issue of the *Kansas Farmer*.

Duroc Congress Coming

CONGRATULATIONS to Kansas! That is because the National Duroc Congress, with show and sale included, will be held at Topeka in 1954. This may seem a long time in the future to some folks, but livestockmen know it takes a lot of work and planning to put on a successful event of this kind.

John Miller, agricultural commissioner of the Topeka Chamber of Commerce, whom many of you know, in announcing this coming event, said attendance usually runs between 1,500 and 2,000. Exhibitors from 28 states and Scotland showed Duroc hogs at the congress held in Indianapolis, Ind., in 1952. It is held every two years. Bert Powell, well-known auctioneer from Topeka, and a member of our livestock staff, presented the Kansas invitation at the annual Duroc meeting held in Peoria, Ill., November 29.

Joining in making the congress a great success when it comes to Topeka will be the Chamber of Commerce, Kansas Livestock Association, Kansas State Board of Agriculture and Kansas State College. Several thousand dollars will be available in premiums. Looks now as if



"How many angel cakes will 6 dozen cracked eggs make?"

the date will be 2 days in July, 1954, but *Kansas Farmer* will bring you complete details as soon as they are available.

Don't Miss These . . .

HOPE YOU NOTICED what Eldon Mosler, of Labette county, has to say on the cover of this issue of *Kansas Farmer*. He believes 1953 will be a good hog year, and he is in position to expand this year to meet what he firmly believes will be a stronger hog market. Backing up this opinion is a statement in the December 20, 1952, issue of *Kansas Farmer* on page 8, by George Montgomery of Kansas State College, in which he said, "Adjustment in hog prices appears to have been completed. The year 1953 should be a period of gradual recovery." If you haven't read the article about Mr. Mosler, be sure to do so.

Two other articles in this issue you won't want to miss: "Rock Crop Big Thing on This Farm," and a quick peek back into last year under the heading, "Let's Recall What Happened in 1952." It's just possible this bit of "hindsight" may be of help in 1953.

More Own Farms

THERE ARE fewer Kansas farms operated by tenants today than at any time during the last 60 years, a Kansas State College study shows.

Only 30 per cent of farms now are operated by tenants compared with a peak of 45 per cent in 1940. Good crop yields and high prices have helped many tenants buy farms. New machinery has reduced the labor force needed to operate a farm, and good job opportunities outside agriculture have attracted many former farm tenants.

Welcome Home!

WELL folks, our traveling 4-H'ers are home again. You remember the letters appearing in *Kansas Farmer* during June, July, August, September, October and November from Daniel Petracek, of Oberlin, who went to Greece, and from Jack Grier, of Pratt, who went to Norway.

We have a December 6, 1952, letter from Jack saying he is attending Kansas State College, at Manhattan. If you wish to contact him for an illustrated talk on Norway, you can reach him at 1014 Bluemont Street, in Manhattan.

A letter from Daniel, dated December 10, 1952, states he had been home only a few days, and he never imagined the shores of America could look so welcoming to anyone. If you wish to have Daniel give an illustrated talk on Greece, please write him at his home, Oberlin.

Jack and Daniel went to Europe last summer in the (IFYE) International Farm Youth Exchange program. In other years you have read letters in *Kansas Farmer* from 4-H'ers of Kansas visiting in Scotland, England, France, Sweden, Belgium, Luxemburg, Germany, Switzerland, Holland, Wales and Finland. We hope to bring you similar letters from still other countries in the summer of 1953.

Want Experimental Farm

ANOTHER clear call has been made for an experimental farm in Northeast Kansas. More than 60 farm representatives from 17 counties met December 8, 1952, at Topeka, and recommended to L. C. Williams, dean of Kansas State College Extension services, that a station be located in the 17-county area. The group felt the need was important because nearest experimental work is being done at Manhattan. They also asked that every county have a 4-H



"A little moonlight now and then will marry off the best of men."

"It's hard to cross the street these days when cars keep coming along like this!"

"There's a difference between trying to make something for yourself rather than something of yourself."

"Uncle Lew, 102, says he's lived so long because he got a head start on most people by being born before all those germs were invented."

"Eat your spinach, Johnny. It will make your hair grow better."

"Then can we feed some to Grandpa, Mommy?"

"Boss to hired man: 'Are you the boss around here?'"

"No, sir, I certainly am not."

"Well then stop acting like a fool."

"Why do chickens all wear feathers?"

"Well, now, wouldn't they look funny running around without them?"

"Best way to climb the peaks of success is to stay on the level."

Club agent; 9 of the 17 counties do not now have one.

Kansas Farmer issue of March 15, 1952, brought you a story on the formation of the Northeast Kansas Agricultural Research Association and their hope for an agricultural experiment station farm in their area. The group feels that soil, crops and climatic conditions in their area are sufficiently different from other parts of Kansas to warrant an experimental farm to meet local problems.

Bread Trickery

WHAT SOME FOLKS won't do for money! Since you grow wheat that goes into bread, this will strike you as being a low-down trick. A report out of Chicago states chemical bread softeners can fool housewives into thinking stale bread is fresh. These softeners have not been proved safe, according to the American Medical Association.

The association states bread softeners can dupe customers into buying stale bread because they associate softness with freshness. It is reported unscrupulous bread-route salesmen have used softeners to practice "bread rolling," a trick of picking up stale bread at one store and selling it to another store as fresh. Tricks in all trades, is it said.



"Hmm! Maybe we better take him to a dentist after all."



WESTERN SPROCKET PACKER & MULCHER

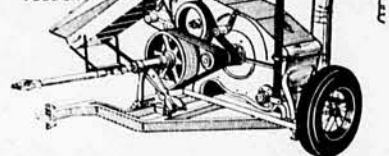
It pulverizes, mulches and firms soil. IT DOES NOT UNCOVER CORN STALKS that have been plowed under, therefore corn borers in these stalks are smothered in the ground. Saves time, labor and horsepower preparing ideal seedbed. Leaves surface mulch without washing. This seeded conserves moisture, saves seed because more of the seeds grow; and helps to increase yields of all crops. Great also for rolling in clover and grass seed and breaking crust on winter wheat in spring. Find out why it does the work so much better, easier and faster. Be sure you get the genuine WESTERN. Write for full information.

ALSO

New BEAR CAT

Grain and Roughage Mill
also Ensilage Cutter

with Adjustable
Drop-Apron
FEEDER



Trailer Mounted for Power Take-Off. Furnished either with or without drop apron feeder and power take-off with trailer as shown. Grinds any feed, green, wet, or dry, chopped or ear corn, roughage bundles or baled flakes, with ordinary farm tractor, and no monkey business. Has both cutter knives and heavy swing hammers.

Get full information on this real honest-to-goodness grinding outfit. Four sizes available. Write

Western Land Roller Co., Dept. 34
Hastings, Nebraska—Manufacturers



JOHNSON Right Angle DRIVE

Assures—
Water FOR IRRIGATION at LOW COST



CONNECTS TO YOUR TRACTOR Or Stationary Engine

The Johnson Right Angle Gear Drive provides efficient, positive power transmission from engine to pump shaft. Spiral bevel gears and precision ball bearings, properly mounted and automatically lubricated, eliminate inefficient quarter turn belting. Easily installed, readily available in sizes and types to suit your requirements, a Johnson Drive assures continuous, dependable irrigation.

- LONG LIFE
- EFFICIENT
- DEPENDABLE
- ALWAYS ON DUTY
- MODERN DESIGN
- FULLY ENCLOSED
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Board of Agriculture Meets January 14 to 16, in Topeka



WALTER A. HUNT, President
Kansas State Board of Agriculture



EDWARD F. ARN
Governor of Kansas

FARM PEOPLE from all over the state will meet in Topeka, January 14 to 16, for the 82nd annual meeting of the Kansas State Board of Agriculture. The general public is cordially invited to the convention, Secretary Roy Freeland has announced. All sessions will be held in the Assembly Room of the Municipal Auditorium.

On the program will be topics of national and local agricultural significance, which will include discussions of utilizing rough feeds, proposed watershed legislation, anhydrous ammonia, rural electrification, irrigation, livestock disease control, butterfat problems, and quality in Kansas dairy foods. In addition, there will be entertaining features of various kinds, including a talk by Oklahoma's great All-American basketballer Bob Kurland about the 1952 Olympics in Finland.

Headline speakers for the 3-day event include U.S. Senator Frank Carlson; Dr. Dr. A. D. Weber, Dean of Agriculture at Kansas State College; D. N. McDowell, Director of Agriculture for Wisconsin, and other prominent state and national agricultural authorities.

Senator Carlson will talk at the Thursday morning session on "What Agriculture Can Expect From the New Administration." Doctor Weber will address the convention Thursday afternoon, January 15. The title of his address is, "Hindsight or Foresight?"

D. N. McDowell, the Wisconsin Director of Agriculture, is a visitor familiar with dairy problems in the nation's leading dairy state. He will talk the afternoon of January 15 on "The Dairy Food Crisis."

Other featured topics include: "Pro-

posed Watershed Legislation," Chandler F. Jarvis, Winfield, chairman of the State Chamber of Commerce Council on Flood Control; "Progress and Problems of Rural Electrification in Kansas," Lawrence J. Blythe, president of the Flint Hills Rural Electric Co-operative Association, and "The New and Old in Irrigation," Andy Erhart, superintendent of the Garden City Branch Experiment Station.

Discuss Livestock Disease

Livestock disease problems will come in for their share of attention with a discussion on "The Livestock Disease Situation," by Glenn Pickett, livestock sanitary commissioner. Raymond Olson, head of the agronomy department at Kansas State College, will speak on "Our Experience with Anhydrous Ammonia." The state dairy commissioner, Rolla B. Holland, will present the department's views on "Quality in Kansas Dairy Foods."

A panel discussion on utilization of roughage is scheduled for Friday morning. Participating will be Dr. Rufus Cox, head of the animal husbandry department at Kansas State College; Dr. F. C. Fountaine, in charge of dairy cattle nutrition studies at Kansas State College; and Dr. D. Richardson, in charge of animal nutrition, Kansas State College. The panel is entitled, "Getting the Most From Low-grade Roughages." Listeners will have an opportunity to ask questions.

The Board's annual dinner is scheduled for evening of January 14. Walter Hunt, president of the Board of Agriculture, will be toastmaster. This year, for the first time, the dinner will be held in the Municipal Auditorium, in

(Continued on Page 13)



FRANK CARLSON
U. S. Senator



ROY FREELAND, Secretary
Kansas State Board of Agriculture



Kansas Dealers

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- ANTHONY—Williams Tractor Co.
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In short, find out for yourself all of the many good reasons why this new Golden Jubilee Model can truthfully be called, "Today's Most Modern Tractor."

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Let's Recall What Happened in 1952

Record wheat crop, anthrax, vesicular exanthema, feed shortage, Krilium, isotopes, flood control battle, fertilizer increase, all made farm interest headlines during the year

By DICK MANN

BIGGEST STORY of 1952 in Kansas was the all-time record wheat crop of 307,692,000 bushels. Due to this high yield and good price of wheat, crop production for the first 8 months of 1952 brought a total income of \$469,590,000, compared to \$229,843,000 for a like period in 1951.

A total of 59,840,000 bushels of corn was harvested in 1952 despite the worst drouth in 16 years.

There was some indication at close of 1952 the year might have set an all-time high for combined income from crops and livestock. For first 8 months of 1952, total income in Kansas for crops and livestock was \$896,259,000. All-time high for any previous year was \$1,225,000,000 in 1947.

Livestock producers had a trying year. The cattle industry weathered the most severe outbreak of anthrax in years. Hog producers fought against inroads of vesicular exanthema and atrophic rhinitis. These diseases were especially disastrous to breeding herds, and Kansas State College authorities predicted atrophic rhinitis would become the No. 1 hog disease in Kansas.

Both cattlemen and hog producers were faced with lowering prices for live animals, accompanied by feed shortage. Farmers were irked by Federal regulations, and by the fact lower prices were not passed on to the consumer in many cases.

Next to the bumper wheat crop, the most significant event in 1952 for farmers was the complete reversal of weather conditions compared to 1951. In 1951 Kansas farmers fought almost continuous rains and valley farmers had the added problem of floods. The year 1952 hit the other extreme by becoming dry.

PMA officials prudently waited until after the November elections, then met and declared 73 Kansas counties as disaster areas because of dry weather. Purpose was to get federal funds and assistance in getting hay supplies into the drouth-stricken counties. A storm of protest followed the PMA action. Many editors and some farm groups said the action gave the impression Kansas and Kansas farmers were destitute. This was especially bad, they said, coming on the heels of the largest wheat crop in history. While the battle was still raging the Federal Government ran out of both emergency funds and hay for the project anyway.

Farm and Home Week was resumed at Kansas State College in 1952 after having been suspended during World War II. Since the war, district farm and home meetings had been held around the state. Now the traditional event is back on the campus to stay.

Thru articles in *Kansas Farmer* in 1952 you learned about a new synthetic compound called Krilium that is said



KANSAS CATTLEMEN during 1952 fought against disease, Government regulations, falling prices and reduced feed supplies.

on use of isotopes in plant and animal research.

During 1952 the Kansas State Board of Agriculture announced plans for a new \$100,000 laboratory to help in administering laws on dairy products, livestock and poultry feeds, fertilizers and insecticides.

After years of battling, residents of the Blue River valley had to watch Army engineers start work on the giant Tuttle Creek reservoir which is scheduled to drive many of them from their homes. But they didn't give up. They were so incensed they went out and helped elect a Democrat to Congress because he favored their ideas on flood control.

Indeed there was some indication that in 1952 those favoring the watershed type of flood control as opposed to main stream dams were making headway. Governor Edward F. Arn ordered a complete restudy of flood control in Kansas. Late in 1952 the USDA announced 2 flood-control projects of the watershed treatment type were being drawn up for the Delaware river in Northeast Kansas and would be ready for Congressional approval in 1953.

Bindweed Worst Weed

Kansas weed supervisors, in annual convention, decided bindweed still is the No. 1 noxious weed in the state.

A new testing service for liquefied petroleum gas distributors was started by the Weights and Measures Division of the State Board of Agriculture, as related in *Kansas Farmer*. A new testing unit is being used to check meters on tank trucks of some 300 dealers. This service corresponds to checking scales for accuracy.

There was increased interest during the year in use of anhydrous ammonia fertilizer. Also, there was increased use in all types of commercial fertilizers. Kansas has increased consumption of fertilizers from less than 2,000 tons in 1932 to well over 200,000 tons in 1952. Soil scientists during the year generally agreed fertilizer recommendations in the past have been too conservative.

Dean Emeritus R. I. Throckmorton of Kansas State College, reported on many fields where large deposits of sandy loam were left by the 1951 flood farmers raised bumper wheat and crops thru generous use of commercial fertilizers. This was true even on fields where very little organic matter was present in the topsoil. *Kansas Farmer* of January 19, 1952, carried a special article on how to handle flooded land for best results. These recommendations, as worked out by college and other agencies, proved very valuable where followed.

Kansas Farmer covered many important subjects during 1952 with series of articles that gave more complete information than could be included in story. Some of the series run during the year covered research at Kansas State College for crop improvement, the history of the Ft. Hays Branch Experiment Station and its contribution to Kansas agriculture, flower culture, Brucellosis problems and control programs in several states, child health, interesting facts about various Kansas crops, small farm operation, and Kansas-rural telephone service. You have indicated by letter that you like these "series stories" we will hunt for more in 1953.

In the October 18 issue *Kansas Farmer* gave you a county by county progress report on the Kansas secondary road program.

Is It True?

Is it true a cow manufactures her milk during milking time?

In experiments conducted by the U. S. Department of Agriculture it was found about 85 per cent of milk was manufactured and stored in tiny cells in cow's udder before the few minutes it takes for milking. Many folks believed a cow's udder could hold only about 1/2-pint of milk to the quarter, that milk was manufactured as cow was milked.



LARGEST WHEAT crop in Kansas history filled available storage, then was piled wherever well-drained spots were available, until grain could be re-loaded as shown here for trip to elevator.

Sheepmen will remember 1952, also. They produced a big lamb crop of 352,000, a nice increase over 1951, but lamb prices were way below 1951 and declined steadily during the year. It was the same with wool—production was up but price was about half of the 1951 figure.

Milk prices averaged slightly above 1951, and Kansas dairymen managed to maintain production equal to 1951 while milking fewer cows. Because of the drouth, this meant higher costs for feed and probably less net profit in most cases. Butterfat averaged out about 2 cents above the 1951 price for the year but suffered a big decline during the fall.

Poultry hit the skids in 1952. Kansas farmers started the year with 2 per cent more chickens than in 1951. Hatchery production for the first 10 months, however, was down 16 per cent. An August survey showed farmers were raising 18 per cent fewer chicks than in 1951 and 34 per cent less than the 10-year average.

Egg production, however, for the first 10 months was equal to the same period of 1951. Egg prices were poor all year. They held to a very low level all summer and were still 5 cents off the 1951 price in November. Broiler prices skidded to 25 1/2 cents in May but made some recovery in the fall.

to improve the physical quality of soils. During the year many similar compounds came on the market. All are too expensive yet for field use, but experiments on them are being included at the Kansas State Experiment Station agronomy farm just in case.

Immensely popular R. I. Throckmorton retired in 1952 as dean of agriculture at Kansas State College after 40 years of outstanding service to the college and agriculture. He was succeeded by equally popular A. D. Weber, former head of the animal husbandry department. L. C. Aicher also retired as superintendent of the Ft. Hays Branch Experiment Station after 30 years on that job.

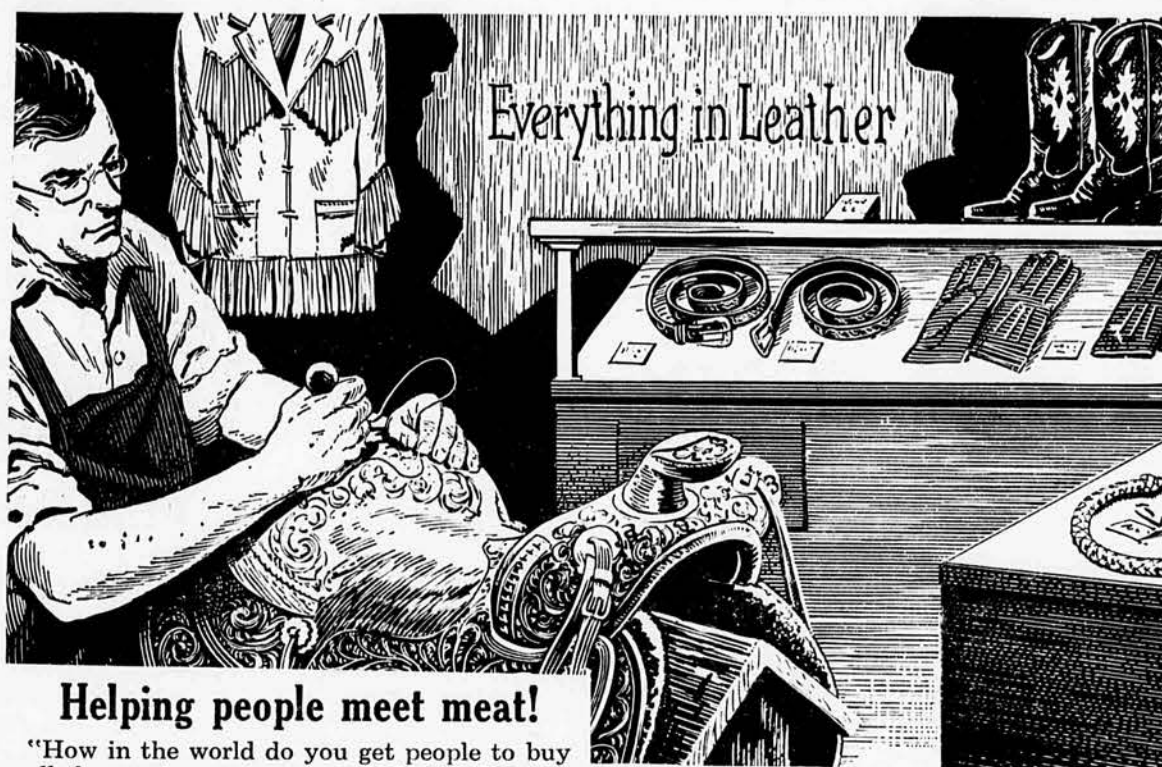
Thru *Kansas Farmer* stories you had a chance in 1952 to learn about farming and farmers in many places around the world. Preston Hale, a former Shawnee county agent, did a series of articles on agriculture in Hawaii. Daniel Petracek, of Oberlin, told of his experiences in Greece under the International Farm Youth Exchange program. Jack Grier, of Pratt, wrote back of his experiences in Norway. Kling Anderson, professor of pasture improvement at Kansas State College, wrote about farming in New Zealand.

Kansans got a look at agriculture's future in the atomic age when Kansas State College was host to a conference



USE OF FERTILIZERS continued to increase during 1952. Soil scientists generally agreed previous recommendations have been too conservative. Fertilizers did an outstanding job on bottom land where heavy sandy silt deposits were left by 1951 floods.

For the best, buy leather!



What's that got to do with
the price of livestock?

Helping people meet meat!

"How in the world do you get people to buy all the meat you process each day?" That's a question we often hear from visitors to our meat packing plants. And that's a good question. For if they didn't buy it, we would have to quit slaughtering livestock—because we would be jammed up to the ears with meat. Then we explain to them Swift's system of nation-wide distribution—from packing plants and branch houses, to our customers—the 300,000 meat retailers all across the nation. We point out that, in addition to getting the meat to the stores, we also help get consumers into those same stores. Swift salesmen work with the retailers to set up attractive displays and promotions. Swift's advertising of meat and meat products constantly reminds people to eat more meat, more often. Bringing meat and people together is good business for every member of the Meat Team—producers, packers and meat retailers.

Martha Logan's Recipe for SPICY BEEF STEW

Yield: 6 servings

2 pounds beef stew meat, cut in 2-inch cubes	1/4 teaspoon dry thyme
1/3 cup flour	1 1/2 cups water
2 tablespoons fat	1 teaspoon whole cloves
1/2 teaspoon celery salt	6 onions
1/4 teaspoon powdered garlic (or 1 clove chopped)	6 carrots
	6 potatoes
	1/4 cup sliced green pepper

Spread meat on piece of waxed paper. Sprinkle flour over meat. Turn meat to coat all sides. (Save extra flour.) Brown floured meat on all sides in fat in a kettle. Remove browned meat from kettle. Sprinkle extra flour, celery salt, powdered garlic and thyme into kettle with fat. Gradually add water. Stir and cook until gravy is smooth and thickened. Return browned meat to kettle with gravy. Stick whole cloves into onions. Add onions, carrots, potatoes and green pepper to kettle. Cover and cook over low heat on top of range or in moderate oven (350° F.) for 2 hours or until meat and vegetables are tender.

weights shows very clearly that both gilts and their pigs were able to store certain nutrients from the green pasture in their bodies. These stored nutrients were essential to the growth and survival of the pigs to weaning time. In winter rations, sows should get good quality animal and vegetable protein, a mineral mixture and, if possible, a rack of good quality legume hay should be kept before them.



a fine leather shop you see an important livestock product being made into beautiful, useful articles—saddles, boots, gloves, handbags, luggage, belts. It's interesting to watch the craftsmen at work... and if you raise livestock you have a double interest. The demand for leather affects the price of hides and pelts, and the value of these by-products has a direct bearing on the market value of the animals you sell.

Hides are but one of the many important by-products that affect the value of your meat animals. There's wool and pelts. Edible fats and lard; inedible fats for making soaps. The important glands which are the raw materials for the production of insulin and ACTH, adrenalin, liver extract and other life-saving medicines... The uses of livestock by-products in our everyday lives make a list that is almost endless.

Once many by-products were wasted. But today we have a story of victory in our constant war against waste. It's a story of the creation of values where none existed before... added values which help you producers realize better returns from your meat animals. We continue to search for better ways and means of using "everything at the squeal." In Swift's Research Laboratories, and in other privately financed and government research organizations, the work goes on. Here's one example of the "pay-off": older folks may still remember when blood, bones and scraps went into fertilizers. Now, thanks to scientific findings, they have much greater value to producers as animal feeds. In this way they help farmers and ranchers get higher feeding value out of their grains and hedges... and thus realize better returns from the meat animals they sell.

In our livestock-meat industry, the most important job is to produce and distribute meat and meat products. The fact that by-products are of value helps us do the main job economically. That's because by-products pay the cost of many essential services Swift performs in marketing the meat animals you raise.

FEED THOSE SPRING PIGS, NOW!

by Dr. John Lasley,
University of Missouri, Columbia



Dr. John Lasley

Now is the time to start feeding those spring pigs long before you see them. It has been found that the pig that is one pound heavier at birth will be seven pounds heavier at weaning time. To be sure strong, heavy pigs, watch the sow's ration. Bred sows should be fed to gain 75 to 100 pounds during pregnancy... gilts from 100 to 125 pounds. Feedings should be increased by a pound or two per day per head during the last third of pregnancy. The pigs are then making the most of their growth and probably need the extra nutrients.

The importance of green feed in the brood sow's ration should not be overlooked. In a test, two groups of bred gilts were fed the same basic ration. But one group was fed in dry lot... the other on green pasture. The dry lot gilts weaned only 26% of their pigs with an average weaning weight of 17.1 pounds. The gilts on rye pasture went into dry lot after farrowing. But they weaned 90% of their pigs with an average weaning weight of 27.4 pounds. This marked difference in mortality and weaning

Meat, By-Products —and You



Many things affect livestock prices. Some more than others. So, to understand some of these factors better, let's take a look at what has happened recently.

First thing we discover is a substantial increase in slaughter. September, October and November, for example, have shown 17 1/2% more beef slaughtered in federally inspected plants than in the same fall months of 1951... also a 26% increase in lamb. Pork was down 2 1/2%, but over-all there was 7.1% more meat to sell!

Next, let's look at wholesale prices. For example, in September, October and November the prices we got for wholesale beef sank way below the prices we received a year earlier. Those price decreases varied from \$4.40 a hundred pounds on choice beef to \$13.89 a hundred pounds on commercial cow beef. That means that wholesale prices were well below ceilings. Complicated price control regulations during this period continued to hamper normal distribution and merchandising procedures... prevented needed flexibility so essential in marketing increased supplies.

And that's not all. There's been a slump in by-product prices, too. Currently the price of hides has been about 17 1/2¢ to 20¢ a pound—down from a high of 39¢ to 40¢. Tallow at 5 1/2¢ was the lowest October price in twelve years. The drop in variety meats alone (that's hearts, livers, etc.) is enough to make the average 1,000-pound "Good" grade steer worth \$7.10 less. Altogether, those by-product price declines make such a steer worth \$13.27 less on the hoof than twelve months earlier.

That's how it adds up—more meat to sell, at lower wholesale prices—also, more by-products, at far lower prices. And therefore lower prices for livestock; for, as you know, the price you receive for your livestock is governed by what the meat packers can get for the meat plus the by-products.

Tom Glaze
Agricultural Research Department

Soda Bill Sez...

Some folks going places step on the gas, others step up their grass.

Swift & Company

UNION STOCK YARDS, CHICAGO 9, ILLINOIS

Nutrition is our business—and yours



Hy-Lines
REG. U. S. PATENT OFFICE

ARE BUSINESS CHICKENS

MAJOR SOURCE OF INCOME ON SOME KANSAS FARMS

Laying flocks of 500 to 2,500 Hy-Lines are important business enterprises on many Kansas farms today. On some Kansas farms, well-managed commercial flocks of Hy-Lines are the major source of income. On many other farms, Hy-Lines are the most important minor project in cash income produced. The owners of these Kansas farms have discovered that, for them, Hy-Lines are more profitable than other laying strains of chickens . . . and often more profitable than any of their other farm operations.

"We've Made Hy-Lines Our Major Source of Income"
Rudolph Krasny, Rossville, Kansas

Mr. and Mrs. Krasny of Rossville, Kansas, get their major farm income from a flock of 2,500 layers. Mr. Krasny says: "We have a fine market in Topeka, 20 miles away. We got this fine market because we have a uniform, year-around supply of high quality eggs. We give our layers good feed and good care. Hy-Lines respond with 65% to 70% production for 12 to 15 months."

The Krasnys are practical folks. They keep records and know exactly what they are doing. In seven years, they increased their flock from 300 to 2,500 layers. Profit records influenced them to turn their sheep barns into laying houses. Records proved that Hy-Lines averaged more eggs per bird than their Leghorns. Records told them that Hy-Lines returned more profit on their 560-acre farm than any other of their farm operations.

Hy-Lines LAY MORE Eggs with LESS Feed Cost

"For Eggs, I'll Take Hy-Line Variety No. 152"

Roy B. Wright, Sr., Le Roy, Kansas

Wright & Son specialize in commercial eggs with over 1,600 Hy-Line layers. Roy Wright, Sr., says: "We depend upon eggs for our main income. And for a good amount of eggs, day after day, I'll take layers of Hy-Line Variety No. 152. We found we made more money with Hy-Lines than with our standard breed of chickens."

Two years ago, the Wrights conducted a divided flock test, Hy-Lines vs. White Rocks. Hy-Lines laid 58 more eggs per bird per year than their White Rocks. Hy-Lines also produced eggs with a pound less feed per dozen. Last year, Wright's 817 Hy-Lines laid a total of 177,557 eggs for an average of 217 eggs per bird. Flock depletion for the year was 12.6% . . . 65 birds lost and 27 culled. Wright & Son sell eggs to a Wichita buyer who calls right at the farm.



Marketing Viewpoint

LEONARD W. SCHRUBEN, Feed Grain
DALE ERLEWINE, Livestock

BAE's Agricultural Situation report total crop production this year, based on October estimates, will be within 1 per cent of the record peak of 1948. Feed grains, 119 million tons against 114 million last year, 10-year average 116 million tons; oats, 1.3 billion bushels, about average; barley, 222 million bushels, below average; sorghums about half average crop; big feed tonnage is from the 3.3-billion-bushel corn crop. Food grains will be about 42 million tons, compared the 43-million record of 1947. Production of all grains will total about 160.6 million tons, exceeded only by the 177 million in 1948.

"From 1947 to 1950, farmers' dollar income dropped 26 per cent, their purchasing power 29 per cent. In 1951 farmers' dollar income recovered almost half the previous drop. But because of further increases in prices paid for items used in family income farmers' purchasing power in 1951 regained less than one-sixth of its previous decline. These prices in 1952 are at a new all-time high, and farmers' purchasing power is not only less than it was in 1951, but lower than in any of the previous 10 years except 1950. Signs and portents for entire economy:

Production, income and employment are all at historic heights, money rate have been tightening for some time. Profit margins have been narrowing for more than a year. Inventories are high and not likely to be increased. Houses are being built faster than young people are getting married.

"What are prospects of wheat price rest of this year and during first months or so of 1953? Do you think amount of wheat under loan will raise price of cash wheat above loan value?"—L. H.

Prospects appear favorable for some strengthening of wheat prices in the next 90 days. Wheat prices may be expected to reach loan levels sometime during that period.

Altho there is a large amount of wheat under loan in comparison with former years, we must remember that the U. S. and Kansas have a tremendous supply available. Altho the loan program may force prices to loan levels, I do not look for prices to advance more than 5 to 10 cents above the loan.

"Should I sell my 550-pound mixed yearlings now or wait another 6 weeks? My feed supply will be exhausted at that time."—K. B.

Historically, price trends for the years 1922-1941 show an increase in prices of steer and heifer yearlings usually occurs sometimes in the winter months. Seasonal pattern may be somewhat different this winter than during average years because of drought.

A recently-completed study concerning comparison of years of poor pasture conditions—similar to 1952—and years of good pasture conditions revealed seasonal increase in price usually occurred earlier during years similar to 1952 than during good pasture years. During all the years studied, prices of good stocker cattle tended to increase between January 1 and February 1 and remain steady to stronger up to mid-March.

Assuming favorable weather conditions this winter and spring, it would appear profitable for you not to sell now but to continue feeding the yearlings until the feed supply is exhausted in order to take advantage of the expected rise in prices. Some safety margin in feed supplies also should be considered in case of heavy snows which would not permit marketing at the planned time.

In view of the high prices of roughages, it probably would not be profitable to buy additional feed unless the price rise is unusually late next spring.



Mr. and Mrs. Rudolph Krasny

Board of Agriculture Meets

(Continued from Page 8)



LAWRENCE J. BLYTHE, President
Flint Hills Rural Electric
Co-operative Association



DR. D. RICHARDSON
Animal Husbandry Department
Kansas State College

to accommodate the ever-increasing numbers who desire to attend. There will be special entertainment and recreation given to outstanding Kansas youth. Queen of the dinner will be Miss Kay Goodwin, Sabetha Butter Queen, who reigned at the Neola Co-operative Creamery's annual picnic.

Pay Special Honor

Special honor will be paid to the poultry judging team and the livestock judging team from Kansas State College. The poultry judges were national collegiate judging champions for the 3rd consecutive year. The livestock judging team claimed championship honors at the American Royal Livestock show.

Honor will also be accorded to 4-H youths who were winners at the 1952 National 4-H Club Congress in Chicago. Members of the national champion 4-H livestock judging team from Montgomery county will be honored. Phil Eyestone, agent, was team coach. Two youths active in FFA work, who received American Farmer degrees at the 1952 FFA convention in Kansas City, will be presented. They are Phil Hoxie, and Daryl Carswell, Al-



ANDY ERHART, Superintendent
Garden City Branch
Experiment Station

Speaker at the get-acquainted banquet is Jeff Williams, Oklahoma humorist. His subject will be, "Behind and Beyond Today."

GRANDMA By Charles Kuhn



ONE MASTER HITCHPOINT ahead of the axle . . . that's one all-important advantage in A-C Free-Swing mounted plows for WD and CA Tractors.

PLOW the FREE-SWING way

FREE-SWING does five important things: 1. Makes hitching minute-quick. 2. Allows implement to go where led. 3. Lets plow dodge obstructions. 4. Permits shorter turns on contours. 5. Helps steering.

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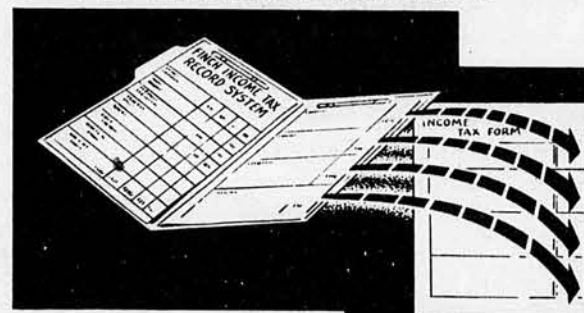


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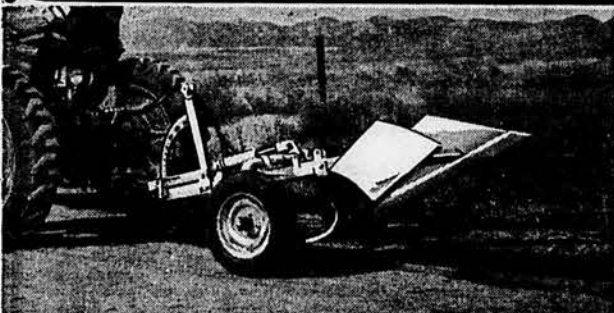
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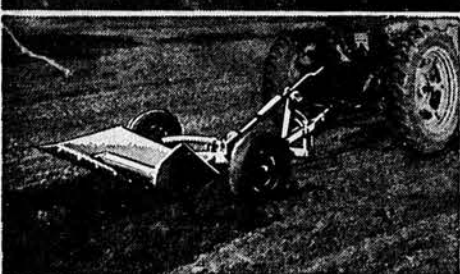
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Many New Pointers on Fruit Growing Brought Out at Hutchinson Meet

GROWING FRUITS, large and small, brought growers to Hutchinson from all over the state. And research experts came from across the Nation to discuss improved production methods at the 86th annual gathering of the Kansas Horticultural Society in December.

Ever grow any but the old standard varieties of grapes? There's a real thrill in seeing what improved hybrids will produce, says Emmett Schroeder, Hutchinson, grower of French-American hybrid grapes, who described in delectable terms the mammoth clusters of beautiful fruit, not to mention disease resistance of this sturdy stock. Mr. Schroeder, with the largest private collection of different grape varieties in the United States, said he would prefer the hybrid Seibel 11803, a midseason, heavy-bearing and resistant variety, for general use. He spoke highly of the flint hills as an ideal grape growing area. An improved market for grapes is resulting, he said, with tendency of more commercial producers to blend juices of various varieties.

Sioux Heads List

Sioux again led the list of strawberry varieties in yields, and altho it is not hardy enough for shipping or general commercial use, it is ideal for home gardens. R. W. Campbell of Kansas State College reported. In Doniphan county trials, Armore had a higher average over a 4-year period, but being a late variety, Erwin Abmeyer, in charge of the Mt. Airy experiment field there, suggested using it with another variety like Premier, also a heavy producer. In Southeast Kansas, however, Dunlap continues as top yielder, Professor Campbell pointed out in noting variation in variety performance over even short distances. Other reliable yielders at Manhattan are Blakemore, Premier, Armore, Tennessee Beauty, in that order. Red Rich is still tops among ever-bearers, altho generally as a group haven't done as well as June bearers in Kansas.

Fertilizer test conclusion was that apparently in fertile soil, phosphorus applied at time of renovation after first crop is only worthwhile soil treatment.

In the field of strawberry management, mulching too early causes serious damage, reducing sugar content of plants and subjecting them to as much injury as if they had no protection.

Irrigation gained importance last season, with reports of never before as good a set of fruit despite hot weather.

Use of 2,4-D and Crag Herbicide I for control of weeds in strawberries were discussed by D. D. Hemphill, University of Missouri. Crag Herbicide I will give better control but costs more.

Under Kansas conditions, Professor Campbell reported, Crag Herbicide I and 2,4-D caused some damage in hot, dry weather. He suggests applying Crag right after hoeing for full effect. Starting beds on ground that has been clean cultivated for a season, it was emphasized, will go a long way in solving weed problems.

Peaches Are Popular

Among tree fruits, peaches are taking Kansas by storm with a spectacular crop again this year, promising buds for next year, and a race to start more peach orchards. From U. S. Department of Agriculture experiment station, Beltsville, Md., Dr. Leon Havis brought latest word on peach study across Nation. Research shows March is our best planting time for Kansas peaches. Roots must be in good condition when planted to avoid freezing. Doctor Havis stressed that much less pruning could and should be done, especially of young trees. Unless trees are left a large leaf area per fruit, size of fruit and earliness of bearing are retarded. Thinning of early varieties especially is important, provided frost danger is not too great. Blossom thinning is all right if you are sure of crop otherwise.

A good spray program is primary to a good fruit crop, Doctor Havis pointed out. Time to harvest crop is important. Many folks tend to harvest too soon, said. Ripe color of fruit varies a great deal among varieties. It is good to remember that a 3-day delay in picking gives a 10 to 12 per cent increase in quantity of fruit harvested, in many varieties, especially earlier, firm types. It is important, too, to take out trees before they get too old.

Talks of Potash Shortage

Potash is more of a limiting factor than we had thought, Doctor Havis said in reviewing fertilizer research peaches. While there may be no outward evidence of potash shortage, taken out of leaves for fruit development. Hard pruning and a heavy crop may cause a potash deficiency. Nitrogen is important in assuring color of fruit. Fertilizer may also be used in varying time of harvest, he explained. Fertility needs are especially important during the first 4 years the tree is in the orchard, when cover crops compete for soil nutrients.

Ranger was given high billing among peach varieties introduced in 1952 in more extensive test over the county. Halehaven tops the commercial grower's list. Growing demand for white peaches is noted in Kansas market. H. L. Drake, society secretary, reports they outyield yellow varieties and are hardier in bud. Varieties white peaches proving best for Kansas are Raritan Rose, which stood 18 below zero weather here, Delicious, and Georgia, a sugar-rich fruit.

Trustee Fred Martin, Salina, and others reported good success with their own marketing of fruit.

An entire session was devoted to control on fruit. Dwight Powell, Illinois, led in discussion of control sprays which it was agreed was coming thing in Kansas for commercial producers. There is still a place for the conventional sprayer in all Kansas orchard programs, however, Professor Campbell stated.

Problems of 1952

High temperatures of 1952 reduced spray efficiency and increased the insect problem, but chemicals gave excellent control of many pests that have been a serious threat to good fruit.

Codling moth damage was a subject this year. Elbert Eshbaugh, entomologist, suggested that perhaps sights were set too high for the kind of year we had. One more spray last year would have materially increased control, Mr. Eshbaugh stated.

Earl Stoughton, Hutchinson, elected president, succeeding William G. Amstein. Other officers elected were Norris Rees, Topeka, vice-president; Frank R. Clark, Coffeyville, treasurer; H. L. Drake, Bethel, secretary. Trustees of even-numbered districts were elected this year for a 2-year term. Trustees for the coming year are James Etherton, Troy; Herman T. Den, Bonner Springs; J. W. Titus, Ney; R. J. Barnett, Manhattan; Fred Martin, Salina; Richard L. Hancock, Wichita; Hugh Emrich, Ellsworth; Emmett Schroeder, Hutchinson; J. Vague, Leoti. Mr. Clark showed movie of a Canadian trip.

Avoid This Trouble!

Reading the booklet, "What You Should Know About Plumbing Drainage," will avoid lots of trouble for you. If you're building new or remodeling or repairing, this booklet will give you valuable tips of better drainage system. It's published by Cast Iron Soil Pipe Institute. For your copy, write Farm and Home Service, Kansas Farmer, Topeka. No charge.

Distinguished Service Awards Go to Three Kansas County Agents



V. Eugene Payer



Vernon S. Crippen



Lee J. Brewer

THREE KANSAS county Agricultural Extension service agents were presented distinguished service awards November 2, at annual meeting of National County Agents' Association, Chicago. They are Vernon S. Crippen, Libor, V. Eugene Payer, El Dorado and J. Brewer, Cottonwood Falls. Crippen is agent in Seward county. During his 20 years of service has been agent in Pratt, Reno, Lorrain and Seward counties. Mr. Crippen served in Woodson county 2 years before transferring in 1943 to his present job in Butler county. Mr. Brewer received Extension service work in 1935, Greeley county agent. Since then he has been agent in Ottawa, Riley and LeFlore counties. Between the Ottawa and Riley jobs he was a farm manager and fieldman with Extension service. He is eligible for the award, an agent who has worked out and put into effect a county agricultural program which includes carrying to completion constructive and outstanding work.

Rock Crop Big Thing on Farm

(Continued from Page 6)

job and used as veneer the various stones come out as a pattern." Watching this stone cut into slabs at the stone yard on the Hockenbury farm is quite a sight. Big gang saws having 25 blades are used to saw the stone. Actually, they don't saw at all. Big blades are steel bars 3/4-inch thick, 5 inches in height and 16 feet long. They have no teeth. The cutting is done by pouring water and hard chat on the stone from above while the blades rub back and forth in this "It takes 9 hours for these blades to cut thru' 4 feet of stone," says Mr. Hockenbury.

under a cutting bar operated by pneumatic pressure. When this bar is let down against the stone and pressure applied, the stone splits on the grain into strips of the desired size.

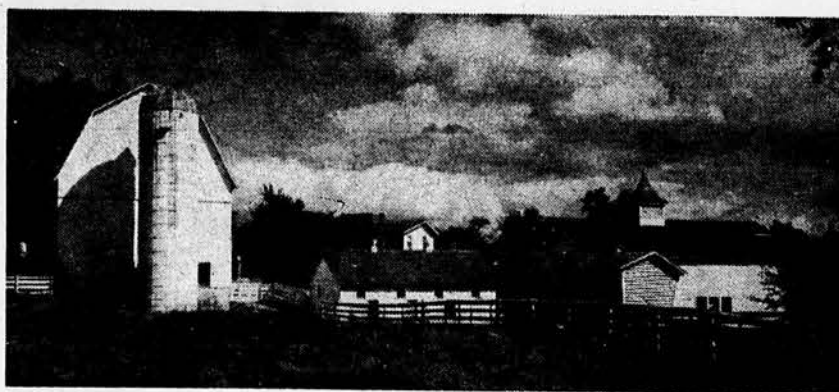
Many beautiful homes and many fine public buildings in Kansas and other states have been veneered with Silverdale limestone. In one year, 1939, Silverdale Limestone Co., supplied stone for the large city auditorium at Topeka, the courthouse at Lawton, Okla., and the new auditorium at the Winfield state asylum.

There are many fine quarries in Kansas and this state does supply some of the finest building stone in the Nation. Kansas stone is another Kansas product that plays an important part in the progress of the Nation yet gets little attention from the general public.

WONDER HOW THAT STARTED...

A coon's age"

This saying is of ancient origin. In the South it was once believed raccoons lived to a ripe old age. They can live 10 years or more, but probably not any longer than many other small animals. Thus, the saying became used by a person who hadn't been a friend "in a coon's age."



Is Everything O.K. at the Food Factory?

There was a time when the success of your farm operation was almost entirely dependent on you and conditions that prevailed on your farm. Today, regardless of the proven business ability of the Kansas farmer, many important agricultural success factors are beyond your fence lines in Topeka and Washington.

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47 states and Puerto Rico—1 1/2 million U. S. farm families—working together in the American Farm Bureau Federation.

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READ THE ADS IN THIS ISSUE

There's a world of helpful information in the scores of advertisements in this 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.

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Farmhand- FOR EASIER



FARMHAND HI-LIFT LOADERS—Two models. Heavy Duty model for 2-3 plow and larger tractors has 3,000 lb. lift, 27 ft. reach with Push-Off. Special model for 1-2 plow tractors has 2,000 lb. lift, 21 ft. reach with Push-Off. Attachments below, make more than 50 farm jobs easier.



FARMHAND STANDARD LOADER—Rugged new loader for materials handling. Has 2,000 lb. 12 ft. lift, 3,000 lb. "break" lift for loading high-sided vehicles from one side. Fits RC.



HAY BASKET—Loose or baled hay handling is fast, low cost, with this big 9' x 12' basket. Bucks and carries half-ton loads—builds high, tight stacks.



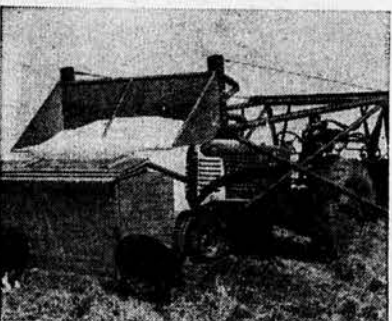
PUSH-OFF—Adds 6 ft. to loader's reach. Pushes load off smoothly under separate hydraulic control. Ideal for loose and baled hay handling.



MANURE FORK—Full-width, 8-foot fork takes 1-ton loads—clears a path wide enough for tractor. All attachments are self-leveling, easy to mount.



GRAVEL PLATE—An economical means of converting manure fork for loading dirt, sand or gravel. Quick and easy to attach and remove.



ALL-PURPOSE SCOOP—One-piece welded construction. Water and grain tight. Holds 33 cu. ft. Hydraulically controlled tilt for smooth, careful dumping.



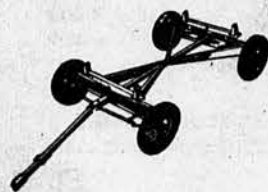
FORAGE FORK—Breaks hay from stacks. Logs, machinery, anything that's hard to lift, can be handled easier and faster with this rugged steel fork.



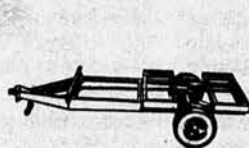
GRAPPLE FORK—For winter feeding—breaks frozen stacks with ease. Clutches half-ton loads as you back off under full power.



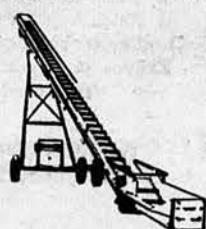
V-PLOW—Opens deep-drifted roads... ridges fields to hold winter moisture. Mounts in less than two minutes. Lifts hydraulically for easy turning.



90° WAGONS—8,000 and 14,000 lb. models load-tested at tractor speeds. 72 in. tread... makes 90° turns with complete stability.



SINGLE-AXLE TRAILER—Load-tested at 14,000 lbs. Dual wheels. Hitch adjusts to drawbar height. Balanced for least weight on hitch and drawbar.



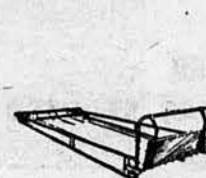
"400"—Wide 18" trough takes bales, sacked grain, ear corn. Loads 12 bales per minute.



AUGER—500 bu. per hour and up. Truck-mounted. Has adjustable intake, enclosed precision gears.



"ONE-MAN"—Stout galvanized steel. Wide hopper for fast dumping. Fast, quiet running on new-type rubber flights.



BALE-BUNCHER—Bunches or windrows bales. Cuts pick-up costs 35%. Collects 5 to 7 bales—trips from tractor seat.



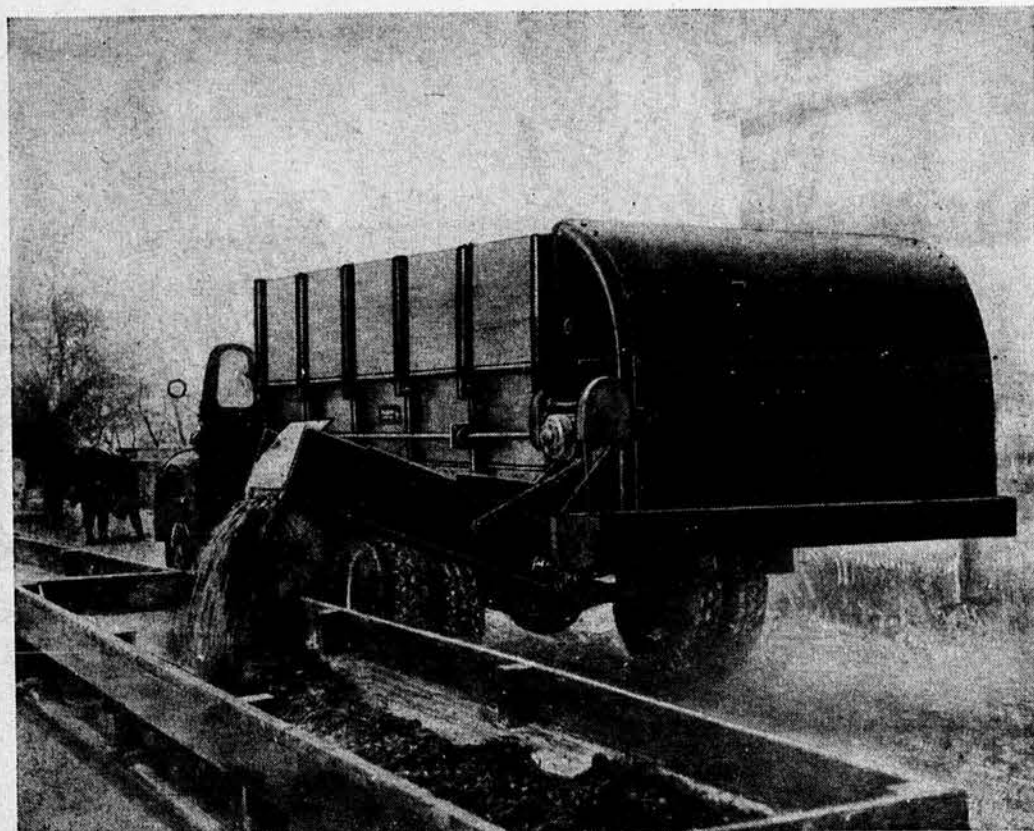
SWEEP—Straight Douglas fir, vernor, ed for...

FARMHAND RUNNING GEAR

FARMHAND-OWENS ELEVATORS

OTHER FARM

FARMING WITH LESS HELP!



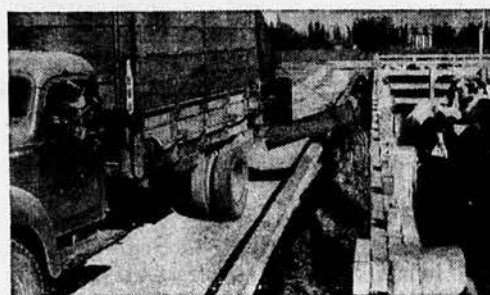
FARMHAND 6-TON "POWER-BOX" WITH MIXER-FEEDER—Mixes grains, concentrates, roughage. Delivers ration into bunks *automatically* as you drive along. Mounts on truck, trailer or wagon for left hand, front or rear discharge. Feeding an entire herd is a low-cost, one-man operation.



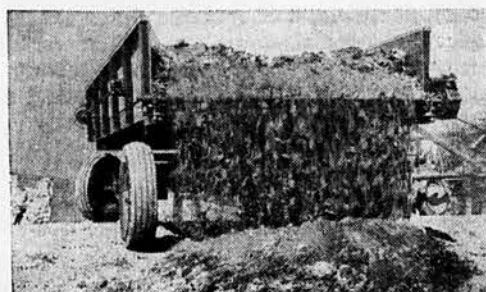
6-TON "POWER-BOX" WITH SPREADER ATTACHMENT—More operating capacity than *four* ordinary spreaders. Mounts on truck, trailer, wagon. Spreads 9- to 12-ft. swaths with controlled distribution. Spreader is quickly and easily attached.



FORAGE UNIT SIDES—Available for *both* the 6-ton and 4-ton "Power-Box". Completely automatic unloading from PTO... smooth, dependable worm gear drive—rear clutch control. One man handles any harvest.

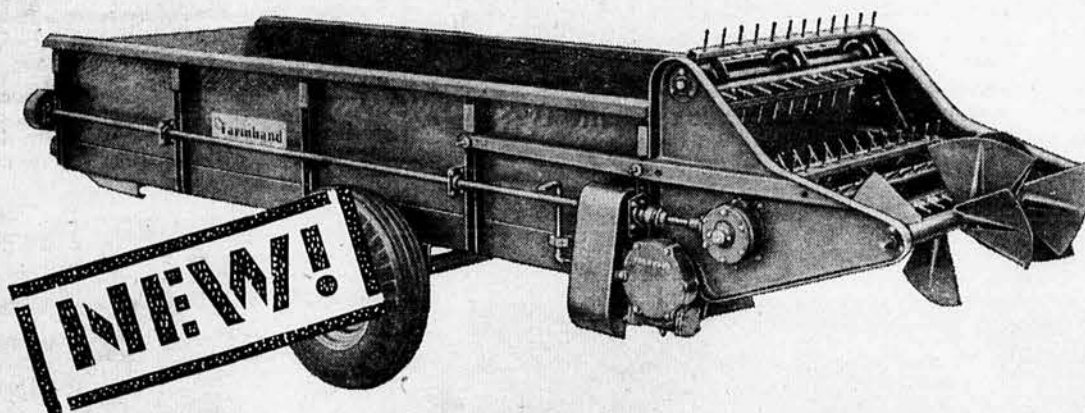


GREEN FEEDER ATTACHMENT—For 6-ton "Power-Box". Load directly from field chopper, unloads a ton a minute *automatically* into bunks. Cuts feeding costs 50%. "Power-Box" mounts on truck, trailer or wagon.



BULKHAULER—With attachments removed, both models of the "Power-Box" are ideal for all-purpose hauling. Automatic unloading from PTO—clutch control—powerful roller chain conveyor—smooth worm gear drive.

FARMHAND 4-TON "POWER-BOX" WITH SPREADER ATTACHMENT—Spread manure regardless of weather or ground conditions with this PTO-operated unit. 4-ton payloads—rugged, heavy-duty construction throughout. Spreads 7 to 9 ft. swath.



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A Division of SUPERIOR SEPARATOR COMPANY

Kansas Farm Home and Family

FLORENCE MCKINNEY, Editor

The Farmer Grows a House

AS A FAMILY grows, the house may grow. Here are plans to help you do the job right and economically. While in Beltsville, Md., last fall, visiting the USDA Experiment Station, we noted 3 little houses on the grounds, all brand-new, so new in fact that finishing touches were yet to be completed.

Each one was an expansible farmhouse, the basic part the right size for a couple or other small-size family, with the plan in mind that other rooms can be added as the family grows and the budget grows. Complete house plans call for several bedrooms but now the houses consist only of living room, kitchen and bath, plus closets and cupboards. Living room and kitchen are generous in size because the living room allows for sleeping space until bedrooms are added. These rooms will meet needs of the larger family without costly remodeling as the house expands.

Two bed lounges 39 inches wide were placed at opposite ends of the living room with specially-designed headboard-cupboards which provide storage space for bedding and shelves for books. Short sliding doors of the shelves are designed to permit closing either end or center sections. (Note this in picture.) Vertical dividers are fitted into one section to keep writing materials in order.

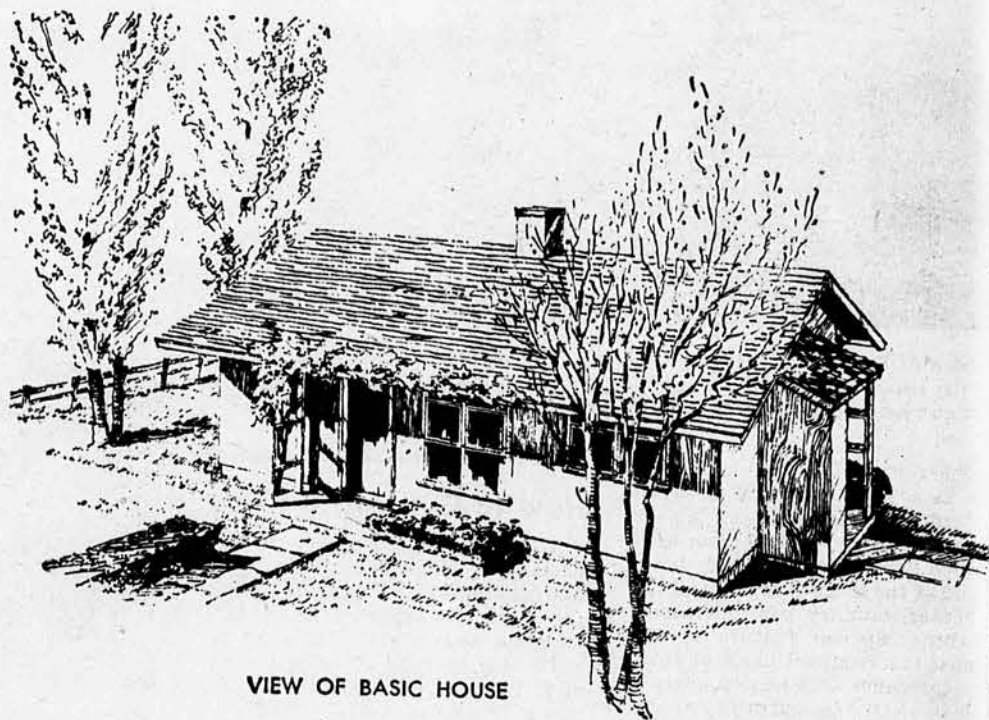
The beds arranged in this way were slip-covered by day and pushed back 12 inches under headboards, providing 2 sofas of comfortable width. For daytime wear, sofas have bolsters and small cushions of contrasting colors.

Housing specialists at the Experiment Station furnished the house very attractively and economically. Of 3 living-room chairs, 2 were chosen keeping in mind the man of the house

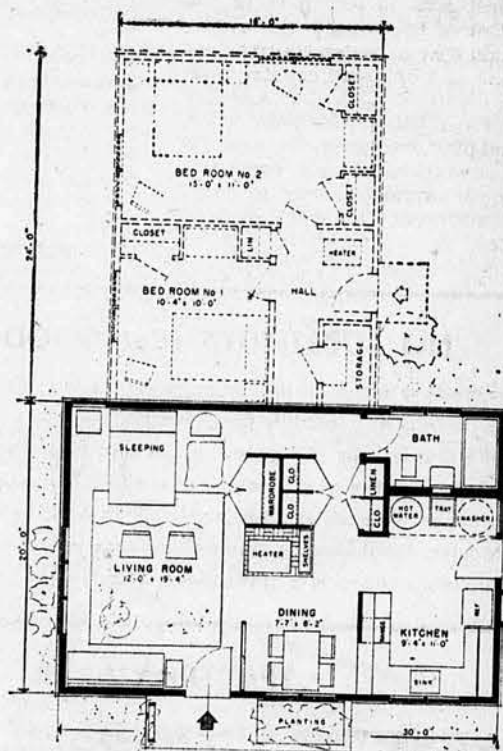
who sits down for a rest in workclothes. One chair is upholstered in plaid washable plastic, other is of molded plywood with low slanting seat and curving back.

With economy in mind, a carpenter made 2 small tables and a sturdy window bench from plywood which any handy farmer could duplicate. He can also make headboards and cupboards. This small house is very light and sun streams thru from any direction because there are no doors between living room, dining area and kitchen. A wooden trellis made of 2-by-4's divides dining area from living room without shutting out light. It also makes an attractive place to display colored glass and decorative pottery or house plants. The dining area can seat 6 so it can continue to be used to serve needs of the growing family.

Color used in interior decoration was green in various tones and the house seemed spacious. The single color was [Continued on Page 19]



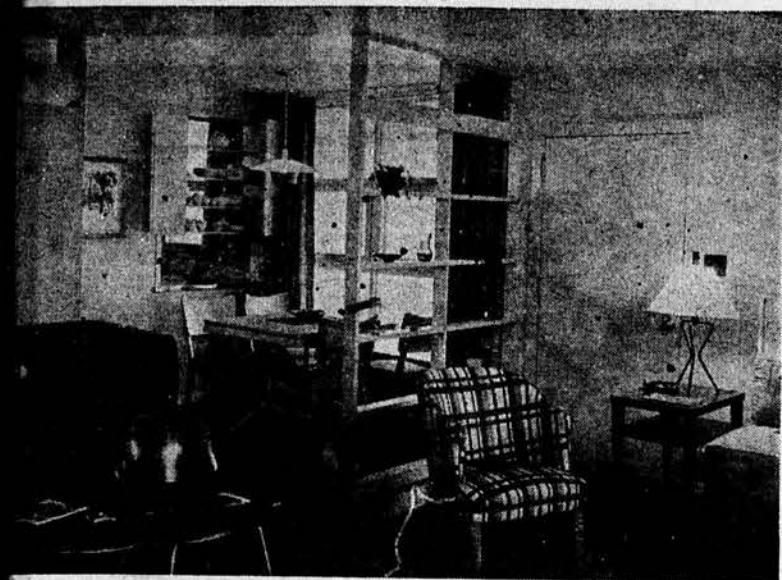
VIEW OF BASIC HOUSE



AS FAMILY GROWS the house may grow by addition of bedrooms at back of the basic house. Living room, dining area and kitchen are large enough for increased size of family.



LIVING ROOM DOUBLES as a bedroom when the family is small. By day, beds become slip-covered sofas, pushed back 12 inches under wall storage cabinets for bedding and books. Tables and bench were carpenter-made.



ELLIS MADE of 2-by-4's divides off dining area without shutting out light or Pass cupboard is convenient for serving from the kitchen. Dishes stored above can be reached from both kitchen and dining area.

responsible for this—everything green. There is a pass cupboard between the kitchen and dining area and dishes above can be reached from both. Since the doors open from both. The end of the kitchen is planned for heater, laundry tub and washing machine. Special feature of the house is a compact block of storerooms, which with heater, form a barrier between living and utility areas. Rooms may be the main addition, workroom or storage room also be added. These houses do not have basements and can be built for a modest sum in any part of the country. One of the houses is of frame construction with asbestos board as exterior finish and dry-wall construction and of plaster for interior. Another is made of cement blocks painted on the inside and plastered on inside. And the third is conventional frame construction. Interior arrangements in each are different and you can take your choice.

How to Get House Plans

The office of Extension Engineering at Kansas State College, Manhattan, has a supply of working plans (blueprints) for 4 expandable houses and each plan is reversible, making actually a total of 8. Some of the houses have 7 sheets of working plans, others 12. Each sheet costs 15 cents.

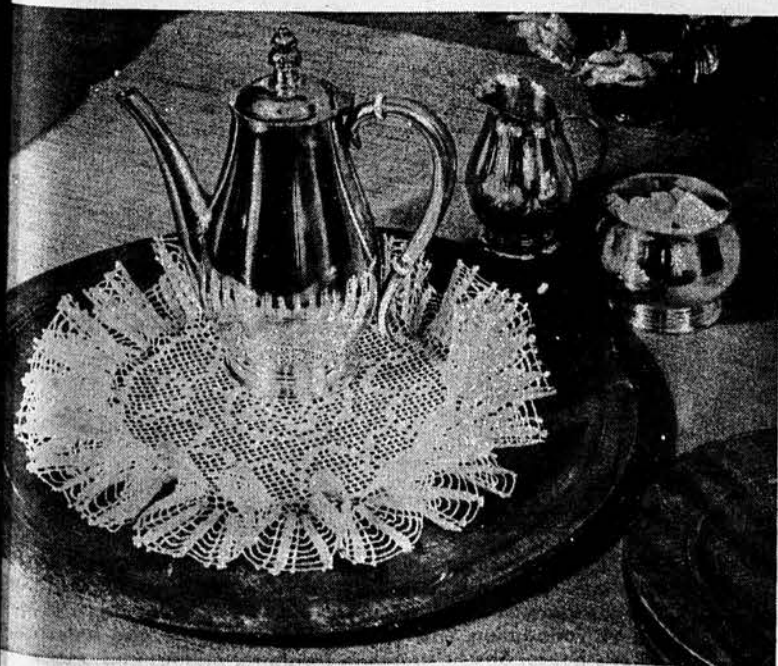
But before ordering the actual working plans, we suggest you order the free leaflets for the expandable houses to determine which house you prefer. These leaflets will give you a good idea of the houses, both inside and out.

Please write Extension Engineering, Kansas State College, Manhattan, first for the free leaflets, later the working drawings of the house you prefer.

NO SUBSTITUTE FOR GOOD HOME

"In a modern world with its many changes, one truth stands out today as always. There is no substitute for a good home and a virtuous mother. In the home, the first lessons of spiritual truths and fundamental virtues should be taught. Stories of the great leaders of the Old Testament, the beauties of the Bible, the prophecies and the message of hope as exemplified in the life of the Master, should be the experience of the modern child, before he learns to recognize the characters of the comic strip."—Mrs. Charles W. Sewell.

TEA TRAY LACE



ROCHETERS can make this circle of filet crochet edged with a full ruffle. Doily measures about 11 inches. Leaflet 5903.

Pattern 5 cents. Address Needlework Editor, Kansas Farmer, Topeka, Kan.

LIGHT...MOIST...EASY TO MAKE

Hungarian Coffee Cake



Use part of your bread dough for
Betty Crocker's

HUNGARIAN COFFEE CAKE

Sugary and spicy... Rich with nuts and raisins

Make bread dough for 2, 4, 6 or 8 loaves. (Use Betty Crocker's bread recipe found in 25-lb. or larger size sacks of Gold Medal Flour.) When dough is ready to shape into loaves, take out enough for 1 loaf and shape as follows:

Cut dough into pieces the size of walnuts. Form into balls.

Roll balls in a mixture of:
1/2 cup melted butter
3/4 cup sugar
1 tsp. cinnamon

Place one layer of balls so they barely touch in a well greased 9 or 10-in. tube pan. Sprinkle with a few raisins and chopped nuts, if desired. Add another layer of balls

and sprinkle with raisins (about 1/2 cup in all). Cover and let rise at 85° until impression remains when dough is touched gently with finger... 1 to 1 1/2 hours. Bake 40 to 50 minutes in quick moderate oven (375°). Loosen baked rolls, invert pan so butter-sugar mixture runs down over coffee cake. Serve warm.

SUCCESS TIP: Allow ample rising time as well as baking time, for lighter rolls. Cover with brown paper if top browns too quickly.

HELPFUL HINT: If you have a tube pan with removable bottom, be sure to line bottom with waxed paper to keep butter-sugar mixture from leaking through.

Why you should always use Gold Medal Flour and Betty Crocker's bread recipe

The recipe you may have been using with a tougher, harsher flour, may not work best with Gold Medal. Gold Medal is the modern bread flour with soft, mellow qualities which help make your dough easier to handle. When used with Betty Crocker's bread recipe, Gold Medal produces wonderful bread...high, full-volumed, crusty brown.

For breads...biscuits...pies
cakes...cookies
you need only one brand—



Gold Medal "Kitchen-tested" **Flour**
ENRICHED



Active in general fair work—and a prize cook, too

TAKES TOP COOKING HONORS AT INTERSTATE FAIR

Ninety-two top prize ribbons—that's the total won by Mrs. C. P. Neis at the Interstate Fair in her home town of Coffeyville, Kansas. She took her first blue and red ribbons back in 1930 and has been winning honors for her cooking ever since. That blue ribbon she holds was added to her collection just last fall.

Mrs. Neis is superintendent of the culinary department at the Interstate Fair, so she's an all-round cooking expert. And she says that the best all-round yeast

she's found is Fleischmann's Active Dry Yeast. "It's so fast," she says. "And the handiest ever!"

Out of 5000 prize-winning cooks surveyed, 97% prefer Fleischmann's Active Dry Yeast. It's so much more convenient than old-style perishable cake yeast—needs no special care, stays fresh for months on your pantry shelf. Now, when you bake at home, it's easy to use yeast. But use the best—Fleischmann's Active Dry Yeast. Look for the label and be sure you get Fleischmann's Active Dry Yeast.

Don't Forget to Send in Your Renewal if Your KANSAS FARMER Subscription Is Expiring!

The editors have many outstanding stories planned for this fall and winter—articles that are closely associated with farm problems you face from day to day.

These editorials will help you in a practical and realistic way. DON'T MISS AN ISSUE!

Send Renewals to
KANSAS FARMER
Circulation Department, Topeka, Kansas

FOR LOCKER OR DEEFPREEZE PORK SAUSAGE

ALL-AMERICAN PORK SAUSAGE SEASONING

Old Fashioned Flavor - Modern Blend

Recommended and Used By
OVER 200
Lockers and Meat Processors
IN KANSAS

J. G. Woodroof, Food Technologist, says in the Locker Operator GUIDE BOOK, "you have read and been told by frozen food authorities that you can't keep sausage frozen for more than four months, and when frozen it should not be seasoned. * * * Research extending over a period of three years at the Georgia Agriculture Experiment Station, has shown that sausage may be kept frozen in good condition for two years by following certain precautions." The most important of the precautions is that the meat be thoroughly chilled before grinding, that the meat be ground through a coarse plate and that the proper amount of seasoning added before grinding which is preferable after several months storage.

Send for FREE literature and name of Locker Plants or processors where you can get this seasoning.

P. HICKS CADLE & CO., INC., 68 Wazee Market Pl., Denver, Colo.

McPHERSON COUNTY GIRL WINS AWARD



HELEN STERLING, of Canton, won blue ribbon award at national 4-H Club Congress, Chicago, for outstanding work in health improvement. Award of \$100 and all-expense trip was presented by The Kellogg Company. Helen was club health chairman last year and was named county health girl. The club arranged for a visit of the Red Cross Bloodmobile and sponsored a first aid course. They provided a spray for barns. Helen is second from left in rear row.

News to You?

When you serve eggs in the shell for breakfast, hard cook a few extras and use them later in salads. Peel them just before serving.

Most cookies are better when freshly baked. Keep rolls of cookie dough chilled and when you want cookies, slice off the amount you need and bake.

Not all duplicates are unnecessary. For example, measuring cups and spoons are needed at the sink, the range and the mixing center. Supplies like salt, sugar, flour, seasonings, some cereals, cocoa and even cooking fat are used on both the range and mixing center, are needed at both places to save trips back and forth.

If you raise parsley or have leftovers after a meal, chop into small pieces and dry in your oven. You have the same thing as the dehydrated parsley sold in spice cans.

One of the greatest modern aids to

the homemaker is the combination steam and dry iron. It is light in weight, easy to handle and heats in a jiffy. It can use it for both the family laundry and pressing.

Kansas Day Program

Learning Kansas history is made fun in our leaflet especially for Kansas Day, "A Kansas Day Program." It features games of interesting and little-known facts about our state, suggested table decorations, early-day Kansas poems and the original words to the much-loved official Kansas state song, "Home on the Range." Suitable for club meetings, school programs.

Be ready for Kansas Day, January 29, by sending your request for this leaflet to Home Service Editor, *Kansas Farmer*, Topeka, Price 5c.

WINS HOME IMPROVEMENT AWARD



ANNA LEE NICKEL, of Marion county, likes home improvement work in 4-H Club so well she intends to make interior decoration her career. At 4-H Club Congress, Chicago, she won national honors and \$300 scholarship provided by Sears, Roebuck Foundation. Last year she helped paper and redecorated her grandmother's house. She has remade furniture, upholstered, made an apple box into a hassock. She won grand championship in her county fair and blue ribbon at the state fair. She credits her parents and her leaders, Edwin Funk and Mrs. Bill Bartel, and home agent Jane Foster and county agent Lloyd Wiseman for her interest and success in 4-H work. Anna Lee is 7th from left, above.

A black and white fashion illustration of a woman wearing a knee-length, short-sleeved dress with a bold plaid pattern. The dress features a notched lapel collar, a single-breasted front with four buttons, and a wide, dark belt cinched at the waist. The skirt has a subtle pleated detail at the hem. To the right of the main figure is a smaller inset illustration of the same dress without the belt, showing its full length and hem.

9296—Attractive coat-dress. Flattering collar, flared skirt with side buttons, 4 sleeve versions. Misses' sizes 12 to 20 and 40. Size 16 takes 4½ yards 39-inch fabric.



4558
SIZES
11-17

9296
SIZES
2-20
40



9035
SIZES
34—50



9300
SIZES
2-10



ONE
MAIN
PATTERN
PART

—Child's blouse and jumper to mix and
Blouse has 2 sleeve versions. Sizes 2 to
6 jumper takes $2\frac{1}{2}$ yards 35-inch fabric;
 $\frac{7}{8}$ yard.

ern pers	Size	Name
		Route
		Town
		State

terns are 30 cents each. Address Fashion Editor, Kansas Farmer, Topeka.

in Butter-Nut's Genuine Copper-Clad
1-Cup Coffee Maker



1. Place 1-Cup
Maker over cup.
tablespoonful of
Nut Coffee.

2. Place metal strainer over the coffee. Fill with boiling water, and put on lid.

3. Presto — you have a cup of delicious full-flavored Butter-Nut Coffee — none better!

Regular Price . . . \$1.50

50¢

**and the key strip
from a can of**

Butter-Nut COFFEE

Now, for the first time, a real **ONE-CUP COFFEE MAKER!** Offered only by Butter-Nut. So handy where only one cup of coffee is used. Fits right over your own coffee cup. Brings out all the full-flavor of Butter-Nut Coffee — any grind.

YOURS AT ONE-THIRD REGULAR PRICE

Only 50c and the key strip from a can of Butter-Nut, the coffee so good it is first choice in more than a million homes. No more than two to a customer—supply is limited. Order early. Mail to BUTTERNUT COFFEE, 701 South 10th Street, Omaha, Nebr.



MAIL COUPON with 50c and a BUTTER-NUT key strip

BUTTER-NUT, 701 South 10th St., Omaha, Nebr.

Please send at once _____ One-Cup Coffee Makers. I enclose _____ BUTTER-NUT COFFEE key strips and \$_____. (50c and key strip from a can of BUTTER-NUT for each Coffee Maker ordered.)

NAME _____

ADDRESS**TOWN**

STATE

MUSTEROLE BREAKS UP CHEST COLDS'

CONGESTION in nose,
throat, upper bronchial tubes!

Don't fool around with a chest cold. Rub on highly medicated, concentrated Musterole. It speedily relieves coughs, sore throat and aching muscles. Musterole *instantly* starts right in to help break up painful local congestion.

Musterole creates *wonderful* protective warmth on chest, throat and back. You can *feel it work* for hours to bring long-lasting relief.

In 3 different strengths: Child's Mild, Regular and Extra Strong Musterole!

You can FEEL it work!

**RELIABLE ADVERTISERS ONLY
ARE ACCEPTED
IN KANSAS FARMER**



THE RECIPE CORNER



GOLDEN RING FRUIT CAKE has a pound cake batter filled with candied fruits and almonds, made in a ring for special occasions.

Golden Ring Fruit Cake

- 3 cups sifted all-purpose flour
- 1 teaspoon baking powder
- 1 teaspoon salt
- 1 cup halved candied cherries
- 1 cup cubed citron
- 1/2 cup chopped candied orange rind
- 1/2 cup chopped candied lemon rind
- 1 1/2 cups golden seedless raisins
- 1 cup cut unblanched almonds
- 1/2 cup shortening
- 1/2 cup butter
- 1 tablespoon grated lemon rind
- 2 tablespoons lemon juice
- 1 cup sugar (beet or cane)
- 4 eggs
- 1/4 cup water

First, prepare baking pans. Grease a 1 1/2-quart ring mold and line with heavy paper, grease again. Also place paper cups in medium-sized muffin pans. Set aside.

Into a large bowl or flat pan, sift dry

ingredients over prepared fruits and almonds. In a second large mixing bowl, cream shortening and butter with lemon rind and juice. Add sugar gradually and continue creaming until mass is light and fluffy. Add eggs one at a time, beating well after each addition. Stir in dry ingredients, mixed with fruits and nuts, alternately with water. Spoon heavy batter into prepared pans, pushing down slightly to even the batter.

Bake in slow oven (300 degrees) until top is firm to light touch. This will take about 2 hours for large ring mold, about 1 to 1 1/4 hours for smaller cakes. Place a shallow pan of hot water on the rack under the cakes during baking period. The steam helps to keep the cakes moist and plumps the fruit. Cool out of pans on cake racks. Peel down paper on ring mold cake.

When cold, wrap cakes in several thicknesses of waxed paper or aluminum foil and store in a tightly covered container in cool place. Makes one 2 1/2-pound ring and 12 cupcakes.

Note: To cut candied cherries, use sharp knife and cut in halves from stem to bottom. For citron, cut each half in 4 lengthwise strips, then cut across these to make about 6 irregular cubes. Use sharp kitchen scissors for orange and lemon rind. For unblanched almonds, cut crosswise into thirds.

Pineapple Chiffon Pie

We think this is the best pineapple chiffon pie ever made in our kitchen.

- 1 envelope unflavored gelatin
- 1/4 cup cold water
- 1 flat can crushed pineapple
- 3 eggs, separated
- 1/4 cup sugar (beet or cane)
- 1 tablespoon grated lemon peel
- 3 tablespoons lemon juice
- 1/4 teaspoon salt
- 1/2 cup sugar (beet or cane)
- 1 baked 9-inch pie shell, cooled
- chopped nuts

Sprinkle gelatin in cold water. From can of pineapple, remove 1/4 cup drained crushed pineapple and reserve for garnish. Mix egg yolks, 1/4 cup sugar, pineapple remaining in can, lemon peel and lemon juice in top of double boiler. Cook over hot water, stirring until thick. Add softened gelatin; stir until

For Hostess or Leaders

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

15 Games for Indoors and Outdoors—3c.

Know Your United States—5c. Entertaining and instructive quiz. Pioneer Party 3c. For any size group.

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

dissolved. Cool in refrigerator mixture begins to thicken. Add egg whites, beat stiff, but not slowly add 1/2 cup sugar, beating continuously. Fold into cooled pineapple mixture. Pour into cooled baked shell. Chill about 3 hours or until set. Garnish with chopped nuts and reserved apple. Makes one 9-inch pie.

Souffle Salad

Here's something new in salad that can be made ahead of time, kept in the refrigerator and one will agree tastes wonderful.

- 1 package lemon or lime gelatin
- 1 cup hot water
- 1/2 cup cold water
- 1 to 2 tablespoons vinegar or lemon juice
- 1/2 cup real mayonnaise
- 1/4 teaspoon salt
- 1 to 2 cups mixed fresh or canned fruits

Dissolve gelatin in hot water, cold water, vinegar, mayonnaise, salt. Blend well with fork or rotary beater. Turn into freezing tray or refrigerator and chill 15 to 20 minutes or until firm about 1 inch from top and soft in center. Turn into bowl and whip with rotary beater until firm. Drain fruits and fold into gelatin mixture. Pour into 1-quart or individual molds. Chill until firm (30 to 60 minutes). Unmold and garnish with greens. Serve with or without additional mayonnaise. Makes 4 to 6 servings. Any fruit, berries, melon, orange, etc., may be used.

Note: Instead of fruit, the following may be used. (1) Vegetables fruit mixed. (2) Vegetables with chopped fowl or meat. (3) Mixed or cooked vegetables.

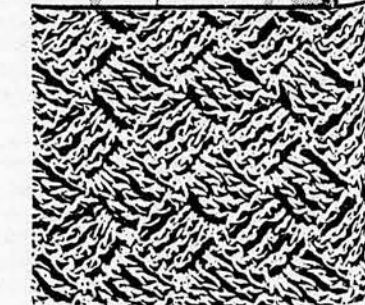
Blue Hills and Shoofly Pie

Here's another delightful book, the Pennsylvania Dutch. Ann Harter, author, tells tales of their way of life, their food, recounts what goes on at an Amish wedding, a Dunker love and country auctions. Published by pincott Publishing Co., Philadelphia. See your own library or bookstore.

It's the Fashion!



577



Crochet a bolero. Wear it now all summer. Crazy-shell stitch in crocheted. Use white or pastel cotton wool. Pattern 577 gives directions sizes 32, 34, 36, 38.

Pattern is 25 cents. Address Needle Editor, Kansas Farmer, Topeka.

PRIZE RECIPE WITH RED STAR Special Active DRY YEAST

Senior winner, Grand National Baking Contest, Waldorf-Astoria, Mrs. Dean Barney, Shoshone, Idaho

TABLE TALK ROLLS

BAKE at 375° F. for 15 to 20 minutes.
MAKES about 2 1/2 dozen rolls.

DISSOLVE 2 packages RED STAR Special Active Dry Yeast (or 2 cakes Red Star Compressed Yeast**) in 1/2 cup warm water (110° to 115° F.). COMBINE 1/3 cup sugar, 1 tablespoon salt, 1/2 cup scalded top milk in large bowl. ADD 1/4 cup cold water; cool to lukewarm. BLEND IN 2 eggs, 2 teaspoons grated lemon rind and the dissolved yeast. ADD GRADUALLY 4 1/4 cups sifted Pillsbury's Best Enriched Flour*; mix until smooth. Place in greased bowl and cover. LET RISE in warm place (85° to 90° F.) until double in bulk, about 1 1/2 hours. DIVIDE

dough into four parts. Pat each portion into a square 1/2-inch thick. Cut each into 6 or 8 rolls. COAT each roll with flour. Place on lightly floured baking sheet. LET RISE in warm place until double in bulk, about 30 minutes to 1 hour. BAKE in moderate oven (375° F.) 15 to 20 minutes.

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

**If compressed yeast is used, dissolve in 1/2 cup lukewarm water.

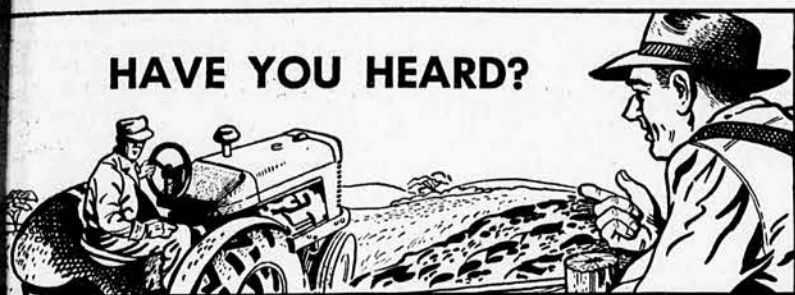
**RED STAR IS THE FIRST 3-WAY
IMPROVED DRY YEAST**



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



HAVE YOU HEARD?

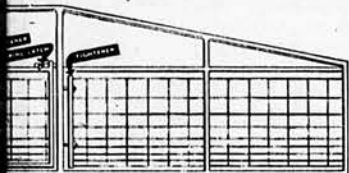


Notes on New Products and Folks Who Make Them

CLEAR-SELE is a new, clear liquid sealant, an economical, efficient, easy to apply to protect stored implements and machinery. A "once-over" spray gives long-time protection. Rust-Oleum Corp., 200 Oakton St., Evanston, Ill.

Roddy Rod is a lightweight, all-steel sectional cleaning rod for guns. It lengthens into 3 extensions to clean rifles and shotguns of any barrel length. Telematic Corp., 3338 S. Robertson Blvd., Los Angeles 34.

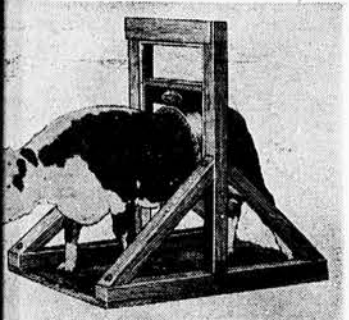
One Gate is handy, ideal for corrals, barnyards, farm entrances. Entrance opens for vehicles and for cat-pass-thru gate is for individuals.



Made of heavy steel pipe. Joints welded. Has built-in wire mesh. Over-all length, 14 feet. Western Mercantile Co., 1600 Liberty Kansas City.

A-Tray is a unique folding tray for your car. Eat and drink with pleasure, safety. Folds up against side interior when not in use. Hold-tray is a holder for bottle, cup or glass. H & H Engineering and Sales, 1014 W. Ave., Indianapolis 4, Ind.

Scratcher can be installed in lot or pasture for cattle's use in control of livestock pests such as grubs.



Scratcher-collar has prong-fingers which rub insecticides into fur. Hesse Co., Pender, Nebr.

Universal Stock Fountain is equipped with fast-acting float valve and automatic temperature control. Designed to do all work and worry out of stock-feeding chore. Completely automatic install, hook onto water source and electric power. Water in tank and pipe is protected against freezing in temperatures to 30 degrees below zero. Industrial Engineering and Manufacturing Co., Inc., Brimfield, Ind.

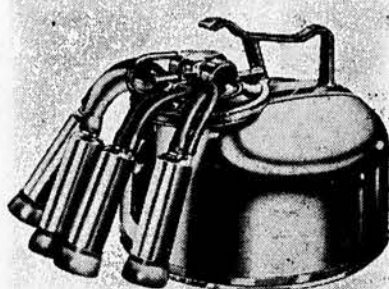
alter D. Behlen, Columbus, Nebr., developed a power steering unit for tractors which he feels will reduce accidents. Attachment can be installed in about an hour on most standard types of tractors. Current models hydraulic but tests also are being run on possibilities of mechanical steering units. With attachment, there is little likelihood steering wheel will be whipped from operator's grip, that he can't overcome spills sometimes caused when crossing ditches, rows, hitting rocks. Behlen Mfg. Co., Columbus, Nebr.

Miller Mailbox is a new, large one,

excellent for magazines, newspapers, mail of all sizes. Heavy gauge aluminum. Watertight construction. Miller Service, Box 322, Willard, O.

Electro Warmth is a new bed-warming system—safe, washable, dependable. Is placed on mattress, not over user, and doesn't become overheated. Comfort Control goes over head of bed, automatically turns on warmth. Patented Products Corp., Danville, O.

New Universal Short Tube Milking Machine of the Universal Milking Machine Division, Albert Lea, Minn., has a lid that prevents any possibility of moisture condensation from air lines getting into milk. Well of lid is so constructed that cleaning of entire lid is



made easier, quicker and more positive. Short Tube model is suspended from the cow by a hanger. New features also are in new model of Long Tube Milker.

Pak-A-Robe is a versatile all-wool robe enclosed in a zippered carrying case made of leather-like plastic. Has carrying handle. Handy for car, boat, camp, stadium, school, skating. Cushion case is soft to sit on for any occasion. Warner Products So., Baldwinsville, N. Y.

Rite-Way Parlor Milker enables accurate positioning of teat cups to obtain maximum milking results from each cow. A supporting bar is attached to a vacuum cylinder firmly mounted to floor. Teat cups are raised or lowered by fingertip control of vacuum power. Rite-Way Products Co., Chicago, Ill.

Steel Salt Box is useful on wall for salt for cooking, for holding matches or string, potted plants, napkins, other home uses. Imported from Belgium. Hardwood grained lid. Color, orange-red and grey. Has glossy finish. Burke-Finnegan Co., Fairport, N. Y.

Larro Pig Builder is a new feed for young pigs. Feed to suckling pigs up to weaning time, get pigs off to a stronger start. Produce heavier weaning weights with more pigs weaned per litter. General Mills Inc., Minn., Minn.

E-Z Trip Mole Trap is a new, easy-to-set trap to rid your farm and lawn of that pest. E-Z is made of steel with rust-resistant finish, has 2 sets of jaws. E-Z Trip Mole Trap Co., 130 N. Andre, Saginaw, Mich.

Windolph Tractor Co., Portland, Ore., has adapted a popular-type, 4½-foot sickle bar for easy mounting to the rear of the Windolph Riding Tractor. The mower is powered by power take-off and can be raised with the implement lift for passing thru gates or over obstructions.

Ottawa Chief Cultivator mount fertilizer attachment features "double auger action" feeding mechanism; it pulverizes fertilizer and meters the flow of fertilizer exactly according to application rate set.

Here's your invitation to
clean...fast...
automatic cooking!

SAVE LOW COST

Choose the style you want... At any price you want to pay... NO COSTLY INSTALLATION CHARGE!

New, Modern LP-GAS* Range gives you

- AUTOMATIC LIGHTING
- TROUBLE-FREE LIFETIME BURNERS
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- DOZENS OF HEAT SELECTIONS
- SMOKELESS CHAR-TYPE BROILING
- VITAMIN-SAVER SIMMER BURNERS

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And remember to ask for your new Recipe and Kitchen Planning Idea book, "BETTER LIVING WITH LP-GAS." Or send the COUPON with a dime and we'll rush your copy to you.

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Chicago 3, Illinois.
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NOTES FROM THE BEET SUGAR KITCHEN

By Nancy Haven

Peanut Brittle Bars



..New for the Cookie jar

A new and different cookie—rich and chewy. While the bottom layer bakes, prepare the delicate topping.

Bottom layer

- 1/4 cup shortening
- 1/4 cup butter or margarine
- 1/4 cup Beet Sugar
- 1 cup sifted all-purpose flour
- 1 cup (3 oz.) crushed peanut brittle

Blend all ingredients into a soft dough; pat evenly into baking pan (8x12x2); bake in mod. oven (350° F.) 10 min. Take from oven. Spread with:

Topping

- 1/2 teaspoon salt
- 1/2 teaspoon baking powder
- 1 egg
- 1 cup Beet Sugar
- 1/2 cup sifted all-purpose flour
- 2 tablespoons milk
- 1 teaspoon vanilla extract
- 1/2 cup shredded coconut

Sprinkle salt and baking powder over egg; beat until frothy. Add sugar gradually, beating well. Stir in remainder of ingredients. Spread topping on smoothly.

Now bake Return pan to oven; bake 25 minutes. Cool and cut into bars. For a party touch, sprinkle with powdered sugar. Makes 16 bars.

Easy
Does it

Crush peanut brittle in a paper sack with a heavy rolling pin.

Use a fine sieve to distribute powdered sugar evenly over cookie bars.

Free! "The Way Of All Cookies"—22 pages of recipes for drop, roll and bar cookies plus the "how to" of baking.

Smart
Shoppers buy
Beet Sugar

In all the world
there is no better
sugar than U.S.-
grown Beet Sugar.

CONSUMER SERVICE
WESTERN BEET SUGAR PRODUCERS, INC.
P.O. BOX 3594, SAN FRANCISCO 19, CALIFORNIA

Effective Cough Syrup, Mixed at Home for Economy

No Cooking. No Work. Real Saving.

Here's an old home mixture your mother probably used, and is still one of the most effective for coughs due to colds. Once tried, you'll swear by it.

Make a syrup with 2 cups granulated sugar and one cup water. No cooking needed. Or you can use corn syrup or liquid honey, instead of sugar syrup.

Now put 2 1/2 ounces of Pinex into a pint bottle, and fill up with your syrup. This makes a full pint of cough medicine, and gives you about four times as much for your money. It keeps perfectly and tastes fine.

And you'll say it's really excellent for quick action. You can feel it take hold swiftly. It loosens phlegm, soothes irritated membranes, helps clear the air passages. Thus it makes breathing easy and lets you get restful sleep.

Pinex is a special compound of proven ingredients, in concentrated form, well-known for its quick action on throat and bronchial irritations. Money refunded if not pleased in every way.

FOR EXTRA CONVENIENCE GET NEW
READY-MIXED, READY-TO-USE PINEX!

No. 3 in series of articles
on how to grow house plants

How to Grow Plenty of Green Foliage

By FRANK PAYNE

EVERYONE LIKES plenty of green foliage plants. Nowadays there are so many pretty, fancy pots—containers made of brass and copper, lamps with built-in plant containers—and there is a special kind of plant or vine to help decorate any part of your home you may wish to brighten with green plants.

Chinese evergreen (*Aglaonema modestum* is the Latin name) can be grown easily in water in which a few pieces of charcoal have been added to help keep water sweet. Not much sun is needed and it behaves well in average living-room conditions, making it an ideal house plant for all uses.

The *Crassula*, often wrongly called a rubber plant or Jade tree, is easily grown but should not be watered too much. Its culture is more like that required by cactus. It sometimes blooms after it is many years old and becomes pot-bound with roots. Does well in partial shade in a warm room.

Use Sweet Potato

Now let's talk about a "homemade vining green" you can have a lot of fun starting and growing. Buy an ordinary large-size sweet potato, the eating kind you get from the grocery store. Pick one that shows sprouts at the large end. Try to find one with red sprouts as it makes the most colorful vine.

Place this potato small end down in a jar, vase or fancy teapot, small-size

gus type that is produced in a large acreage in Florida and sold to florists who put it among flowers to make additional greens. I can recommend all 3 as good for house plants. There are other kinds that are hardy and are grown outdoors in a shady, north exposure. These are not the kind to grow in the house.

Watch for another article by Mr. Payne in your January 17, 1953, issue of *Kansas Farmer*.

High Honor To Dean Weber



Dr. A. D. Weber

Dr. A. D. Weber, director of Kansas Agricultural Experiment Station and dean of the school of agriculture, has received highest honor of American Society of Animal Production, Chicago. He was honored at 44th annual banquet meeting of Saddle and Siroin Club on November 30. Only one educator a year receives the honor.

A painting of Dean Weber will be hung in the club's famous gallery of livestock leaders. For the 5th consecutive time he selected grand champion steer of International Livestock Exposition at Chicago this year. For 30 years he has contributed scientific information to the animal industry, thru talks, publications, meetings.

At the 1921 Exposition, Dean Weber was high point man in the United States in livestock judging for college



"Quick, dear—get the children ready—we're going to move!"

students. He was a member of the Kansas State College team, and received a Block and Bridle Club gold medal.

After teaching swine production at Kansas State, he went to University of Nebraska in 1926 as assistant professor in charge of sheep production. He returned to Manhattan in 1931 as professor in charge of beef production research. He holds a Ph.D. degree and an honorary doctor of science degree from Purdue University, Lafayette, Ind.

McPherson 4-H's Show Good Profits

The 1952 4-H Club year for 488 McPherson county boys and girls was profitable financially. Stanley Meier, club agent, reports members made net profit of \$46,326. Total value of projects was \$94,661, some \$4,793 more than for 1951 club year. Cost was \$48,035, making net profit somewhat less than last year.

Dairy projects showed the greatest profit, \$9,625. Second was wheat, \$9,129 profit. Beef was third, \$8,950.

KSC Student Ag Magazine Honored

Second best in the Nation is the honor awarded the Kansas State College student agricultural magazine, the *International Livestock Exposition*, Chicago, December 1. Editor is Richard Fleming, Paola.

Judged second best magazine cover was a picture of Glen David, Winfield, wrapping Christmas gifts. An article by Don Gramly, Caney, was third in presenting technical material in popular form.

NATIONAL 4-H CLUB WINNER



MILDRED E. HUNDLEY, of Horton, won a national clothing achievement award at the 4-H Club Congress held recently in Chicago. Her most interesting project is the family clothing plan. She made 3 corduroy jackets for her brothers, worked with her 10-year-old sister on clothing plans for the year. She now attends K-State where she is majoring in child welfare. Mildred won a \$300 scholarship awarded by the Spool Cotton Company.

SCS Supervisors Hold Lively Meeting

ALTHOUGH WINTRY WEATHER and heavy roads cut down attendance at the meeting of Kansas Association of Soil Conservation District Supervisors at Wichita, December 1 and 2, the event was a lively and informative one. About 150 persons attended, with 22 counties being represented.

John Babcock, Hiawatha, was elected to the board of directors, representing Area 4 of the state. Niel L. Burdett, was chosen director of Area 2.

Group Discusses Bill

Bill on watershed districts to be introduced at 1953 State Legislature was discussed at the event. The measure would make it possible for Kansas to organize watershed districts to carry out types of water and soil conservation that would help prevent floods. The bill would also provide for the creation of districts which would be authorized by natural watershed of a county. District officials would be authorized to carry on types of engineering, construction and vegetative works that would be helpful to conservation of natural

resources and to waterflow retardation. This proposed legislation was drafted by a committee of the State Chamber of Commerce, co-operating with the Grange, Farm Bureau, Farmers Union, Kansas Soil Conservation and Flood Control Association and the Association of Soil Conservation District Supervisors.

Morris Fonda, president of Soil Conservation Society of America, told delegates results of their important jobs as soil workmen would go a long way in helping solve food problems of our increasing population. He said, "We must hold our soil and we must build up nutritive abilities of our soil so more crops can be produced per acre." In solving future educational and technical problems, Mr. Fonda called on district supervisors to co-operate fully with representatives of the farm equipment industry and with local bankers in boosting better soil care and improvement, and better farm practices.

Delegates heard new facts about land judging contests and better district meetings, and laid plans for 1953 activities.

Study Better Plant Food Use

REGARDED as an immense step toward advancement of agriculture in Kansas is an organization now being organized in the state for the "promotion of effective and proper utilization of plant foods."

Establishment of such a program at this time is in accord with belief of agricultural leaders in this country that value of increases in food production will be necessary to supply nutritional needs of our rapidly expanding population. The part plant foods can play in increasing this production, the Department of Agriculture, Extension Service, Plant Food Council, National Fertilizer Association and others are working for a great nation-wide educational program for more efficient use of plant foods.

at a meeting in Topeka, December 11, of 25 representatives of Kansas State College and fertilizer firms which supply the state. General suggestions for carrying out this educational program were contributed by those attending, and a steering committee to work out details for establishment of a permanent organization was elected. Committee is to report to the larger group at a permanent organizational meeting in Topeka the latter part of January.

Named to the steering committee: Leon Baker, Jr., Snyder Chemical Co., chairman; Luther Willoughby, Division of Extension, Kansas State College; Harold Saffrin, Kansas Agricultural Chemical Co.; Cecil Fluty, Farm Belt & Wichita Fertilizers, Inc.; W. P. Glaspey, Blue Valley Fertilizer Co.; Jim Gillie, Thurston Chemical Co.

COMING, JANUARY 17 . . .

Half a century of service to farmers of Kansas will be marked soon with the anniversary of the parent organization of the Kansas Crop Improvement Association. This organization's effective service to the welfare of agriculture in the state will be recognized in a January 17 *Kansas Farmer* feature.

NATIONAL AWARD GOES TO JOYCE



JOYCE HOLDSWORTH, of Abilene, was honored at 4-H Club Congress, Chicago, by winning all-expense trip provided by U. S. Rubber Company for outstanding work in recreation and rural arts. At annual breakfast for winners she presided and introduced company officials. Joyce is a 7-year club member, always available to lead youth groups. She was song leader at Rock Springs Ranch Camp. She is a member of the 4-H band, school band and takes part in dramatics. She stands with the other national winners, 5th from left.

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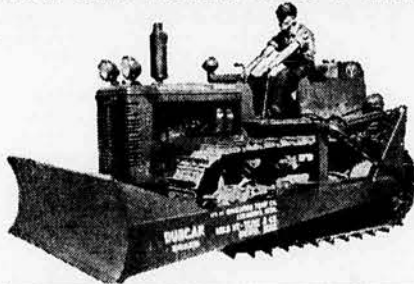


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Thoughts TO LIVE BY

"The Days Are Hastening On"

THE OLD YEAR is gone, "like a tale that is told." The moving hand has written and passed on. The older we grow, the more we become impressed by the speed of time. It seems faster than the wind, almost as fast as light. Already, the New Year is off to a rapid start. For a little while, we shall write 1953, but the ink will hardly be dry before it is time to change the date to '54.

What does it all mean—this flight of time? Someone may wonder if it has any meaning at all. Macbeth in his guilty fear found time to be meaningless, and as slow as we observe it to be fast:

"Tomorrow, and tomorrow, and tomorrow,
 Creeps in this petty pace from day to day
 To the last syllable of recorded time,
 And all our yesterdays have lighted fools

The way to dusty death. Out, out, brief candle!
 Life's but a walking shadow, a poor player
 That struts and frets his hour upon the stage
 And then is heard no more: it is a tale
 Told by an idiot, full of sound and fury,
 Signifying nothing."

Many there are who think of time as a wheel that turns endlessly, but goes nowhere. "The thing that hath been, it is that which shall be; and that which is done is that which shall be done: and there is no new thing under the sun." Kingdoms and cultures rise and fall like the waves of the sea, but they break on the reefs and make no impression upon the shores of eternity. One can call the roll: Babylon, Egypt, Greece, Rome, Europe, America, with Persia, China, and India reaching their flood tide and subsiding apart from this stream. Five centuries hence, Africa may be the seat of culture and the

inhabitants of Europe may be the backward peoples.

At the other extreme, we find the superficial optimists with their esculator theory. The race is young so we should not expect too much of it. Give it another million years and then see what comes. Of course, you and I may not be the ones to see, but that is of little importance as far as this concept goes. Tennyson's prophecy reveals unusual clarity:

"For I dipped into the future, far as human eye could see,
 Saw the Vision of the world, and all the wonder that would be;
 Saw the heavens fill with commerce, argosies of magic sails,
 Pilot of the purple twilight, dropping down with costly bales;
 Heard the heavens fill with shouting, and there rained a ghastly dew
 From the nations' airy navies grappling in the central blue;

Knowledge comes, but wisdom lingers, and I linger on the shore,
 And the individual withers, and the world is more and more."

Wars of the last 40 years, along with the depression and economic revolutions, have wrecked the theory of automatic progress. History is not a straight line pointing ever upward.

A more realistic picture is that of a wheel on a car. The wheel goes around, and as it does so the car moves forward. There is the rise and fall of cultures, but the Kingdom of God is our destination. It may be realized fully only in the realm of eternity, but we are moving gradually the unevenly toward it in the realm of time. So we cherish the prophecies of peace: "They shall beat their swords into plowshares, and their spears into pruning hooks; nation, neither shall they learn war any more."

—Larry Schwarz.

PLAQUE PRESENTED FOR OUTSTANDING 4-H WORK



DURING NATIONAL 4-H Club Congress held recently in Chicago, A. D. Jellison of Junction City was presented a plaque for his outstanding service to 4-H Clubs in Kansas. Both Mr. and Mrs. Jellison attended sessions of the Congress. Mr. Jellison, prominent banker and philanthropist, has long been active in club work, is vice-chairman of the Kansas committee on 4-H Club work, is trustee of the newly incorporated 4-H Foundation and promoter of Rock Spring Club Ranch. Mrs. Jellison is equally interested in 4-H activities. From left to right are Gary Neilan, St. Francis, sectional winner in Community Relations; Louis Williams, Dean of Extension Service, Kansas State College, who presented the plaque; Mr. Jellison, Mrs. Jellison, Mildred Hundley, Horton, national winner in Clothing Achievement.

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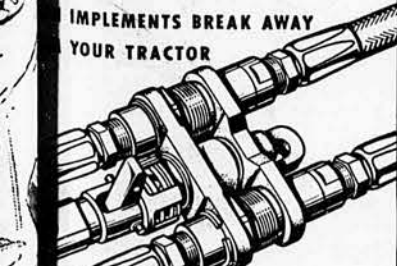
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A NEW YEAR MEANS NEW VARIETIES

By WILLIAM G. AMSTEIN,
Kansas State College

A NEW CALENDAR along with the 1953 nursery and seed catalogs brings us the first notice of some promising varieties. For the first time in several years no new 1953 vegetable introductions or prospects were considered sufficiently superior or outstanding to receive All-America Selection awards. However, two flower selection awards were made to the Royal Carpet Alyssum and Comanche Petunia.

In connection with the previous vegetable awards it may be desirable to consider the top 12 All Time All-America garden vegetable variety awards. These cover a period of 20 years. Some of them are as important today as they were when first introduced, others have been replaced by superior ones. While novelties draw a good bit of attention a standard superior vegetable variety is of greater value and importance.

The 12 most valuable vegetable varieties introduced by this committee of nation-wide judges together with the date of release and a brief item about each follows:

Fordhook 242—1945—A bush lima bean led all winners. Up to now it is the most dependable and widest adapted thick-seeded lima bean. However, in a season such as 1952 under Kansas conditions it did not produce too well. Bixby, an Oklahoma A & M introduction, will, in my opinion be our answer as soon as a seed supply becomes available.

Early Prolific, Straightneck Squash—1938, is a very good summer squash. This is a crop that is too often omitted or neglected in many Kansas gardens.

Perfected Detroit beet—1934—has a better red interior color and does not have the light-colored rings. Tops are larger and more useful for use as greens.

Imperator carrot—1933—is a long tapering orange selection for light or loose soils. However, Red Chantenay is needed on heavier soils.

Cherry Belle radish—1949—has proved to be a good small-size selection that may be ready in 3 weeks. It does not become coarse or pithy with age as do too many other radish varieties.

Topcrop snapbean—1950—is already one of the widely-planted snapbeans. In 50 days it will produce fine round 6-inch pods. It sets heavy and early and is a useful choice as a locker or home freezer bean when harvested in time.

Early Surecrop hybrid cucumber—1951—is a disease-resistant dependable selection that will usually produce attractive fruits where others fail. Hybrid cucumbers have proved very useful. Many will produce where most others fail.

America Spinach—1952—tried only last year showed greater heat resistance and was much slower to go to seed than our former favorites. It is also a heavy cropper with thick savoyed leaves. However, this selection is not early in maturity.

Pritchard tomato—1933—has not been too widely planted in recent years in Kansas. It is 10 days earlier than Rutgers and should still be useful.

Great Lakes head lettuce—1944—is the foremost selection of heading lettuce planted today. Another more recent loose leaf lettuce that is common in most sections is Salad Bowl.

Iochief hybrid sweet corn—1951—is another good Iowa State College release by Doctor Haber. He also developed Ioana. Iochief has long yellow ears, small cob and deep narrow grains. It is resistant to both drought and storms as well as being a high quality heavy producer.

Chieftain Savoy cabbage—1938—has a rich dark green color that appeals to many customers as well as gardeners. However, it has never been very widely grown.

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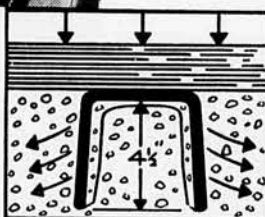
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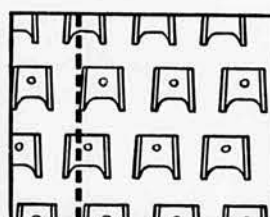
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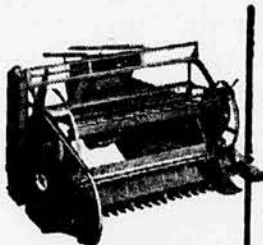
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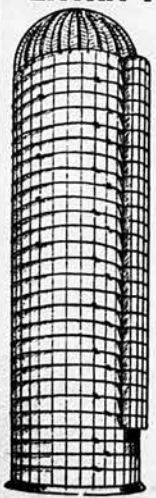
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CARLSON & SONS BERESFORD
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Will Be Good Hog Year

(Continued from Page 1)

From this foundation stock he now has more than 200 head of hogs and plans for 40 litters this spring. From his single bred gilt in 1944 he built up an investment of about \$20,000 in stock and equipment.

This has been done despite the fact 1951 and 1952 were tough years for the hog business. Many a brave breeder with more experience than Eldon folded up and decided to try something else. And Eldon had his heartbreaks, too. He reached his peak on herd size in 1951, just at a time when demand for breeding stock reached a very low ebb.

"The first big sale of breeding stock I ever attempted was tried in the fall of 1951," says Eldon, "and you can imagine what happened. I had 20 good boars and 40 good gilts that never sold at all. I had invested quite a bit of feed getting them in condition for the sale, too. Then I had to castrate the leftover boars. By the time I had them in condition to market along with the gilts the market had fallen even lower and I took a big loss."

Had Two Problems

This last fall Eldon and other hog breeders had 2 big problems—low prices and a shortage of feed. Eldon roughed his hogs thru last summer mostly on whey and alfalfa hay. Up until this fall he had always bought all his corn to feed. Last summer he raised enough sorghum grain on the farm to substitute ground home-grown sorghum grain for corn. This was only one of the many corners he cut to hold his investment intact for a turn in the price trend.

During 1951, for the first time, he used farrowing crates in a central farrowing house. "I lost only 2 or 3 pigs in 20 litters," he says, "and I really like the crates. For one thing, after you put the sow in the crate at farrowing time you can go away and leave her. There is practically no way she can crush the pigs."

Another experiment tried last year successfully was use of a breeding crate. "By using the breeding crate I could use the best older boars on the young gilts," Eldon explains. "The crate also came in handy for such jobs as 'ringing noses.'"

Becomes Top Showman

Despite his youth, Eldon has become one of the top Chester White breeders in the Nation. In 1951 he had the top Chester White herd in the United States in production registry. To qualify for production registry a sow has to wean at least 8 pigs, and the pigs have to weigh an average of at least 40 pounds at weaning time. "I qualified 10 sows in the spring," says Eldon. "During the fall I was on the show circuit and didn't enter any sows in the registry, but the 10 I had in the spring still held up as the top number for any breeder in the United States."

As a showman Eldon has made a record few older men can equal. He showed his first hogs in the Labette County Fair in 1945 and had first-place sow and first-place litter. In 1946 he showed for the first time at Kansas State Fair, Hutchinson—had 2 firsts and senior champion sow.

His best show record to date was in 1951. That year he showed his hogs in 7 state fairs in 6 states. These fairs included Missouri State Fair, Iowa State Fair, Nebraska State Fair, Kansas State Fair, Oklahoma State Fair, Oklahoma Free State Fair (at Muskogee), and Texas State Fair.

On this tough circuit Eldon had 37 champions, 7 grand champions and 9 reserve grand champions. Included were the champion and reserve champion barrows at Texas State Fair.

Eldon's outstanding show boars have been Perfect Sensation and Elmdale Silver Balancer. Perfect Sensation, purchased from W. C. Halstead and Sons, Racine, Minn., was grand champion at Nebraska State Fair in 1951 and reserve grand champion at both Iowa and Missouri State Fairs. This,

incidentally, was the first time a Kansas Chester White breeder ever won a championship at Iowa State Fair.

Elmdale Silver Balancer, raised the Mosler farm, was Oklahoma State Fair grand champion in 1951 and served grand champion at Kansas State Fair and Oklahoma Free State Fair.

One thing Eldon always has recognized is you have to pay for quality. "It took lots of courage several years ago when he paid \$400 for Shady Side Boy 84, a prize boar from the Park Newsom farm, Columbus, Ind., \$300 for Portage Betty Lou, from Page Farm, Woodville, Ohio.

Good Stock Paid

"Those were the best investments ever made in the hog business," Eldon says now. "Before he died in 1951 Shady Side Boy 84 sired most of champion hogs in the herd. I still have Portage Betty Lou. She has been on farm nearly 7 years and has had at least one champion in every litter."

Eldon's success as a showman is to a rigid program. Of course, he plains, you have to have high-quality breeding stock as the first requirement and you must feed well. But from there on it is a job of management.

"I start to plan a year in advance the shows I want to enter," Eldon plains. "You have to do this to have your sows bred at the right time they will show piggy. Both sows and boars have to have their feet trimmed just right, and I do this a little at a time over a long period ahead of show circuit. In spring you have to make sure they shed their winter coat so new hair will grow back by feeding linseed meal usually will take care of the hair shedding, but if it doesn't, you have to clip."

Takes Much Training

"Every animal you expect to show has to be taught to drive, too," says Eldon, "and this takes time." Hogs have to be forced to exercise in weather so they will be conditioned the show circuit. "If you don't, they are likely to collapse and die during tough show," says Eldon. He combines driving and exercise requirements starting early in summer driving hogs around the lots. "I try to drive them at least a half mile every day during summer," he explains.

During 1951 Eldon sold about a third of his hogs as breeding stock and the rest on the commercial market. In 1952, because of poor demand for breeding stock, nearly all his hogs were sold on the commercial market. During his time in the business he sold a number of boar and gilt pigs as much as \$150 each.

Like the manager of a good ball team Eldon also watches for good trades. After the 1951 show circuit he traded Perfect Sensation for the equivalent about \$750 in other breeding stock.

Right now things just have to be looking "up" for Eldon. He has successfully survived 1951, which was the worst corn-hog ratio year since 1949 and 1952, which was little better. "I'm not discouraged," he says. "I believe I have improved my feeding situation here on the farm, my breeding stock still intact and I am ready to expect this year to meet what I firmly believe will be a stronger hog market." That's the old Kansas spirit!

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KOYKER MFG. CO. HULL, IOWA

Twin Calf Study Is Interesting

By DWIGHT HULL

WE HAD a telephone call the other day from Walter Farner, a farmer friend of ours who now lives in Latham, a town in the southwest part of Butler county. Walter wanted to tell us about some twin calves. Of course, there isn't anything so unusual about twin calves, but this was a rather unusual case. Mr. J. L. DeMoss, a brother-in-law of Walter's, who also lives in Latham, keeps a couple of milk cows. These cows calved within a few hours of each other and both had twin calves. One had twin heifers and the other a heifer and a bull.

Mr. Farner had heard Kansas State College was interested in securing twin calves. We explained it was our understanding the College was interested in securing some identical twins. We had the opportunity to see these 4 twin calves a few days ago and while they were nice big healthy calves, we were of the opinion they were not identical. When this came up we felt identical twins must have the same color markings in every detail. However, after a little research on the subject we find it is possible to have some variations, in the number, location and shape of spots of identical twins. It is important that both animals show same shade of color.

To determine whether a particular set of twins are identical or not a number of important characteristics should be noted—color, general conformation, (they should look alike in build, especially the heads should be similar) and some other features such as hair whorls and skin spots. In some cases, it is necessary to check blood type before some twins can be positively identified as identical.

How Twins Are Born

When twins are born as a result of fertilization of one egg, result is identical twins but when twins are born as a result of fertilization of separate eggs they are not identical—are fraternal twins. Fraternal twins are not generally any more alike than any other full brother and sister, especially is this true as far as production performance is concerned.

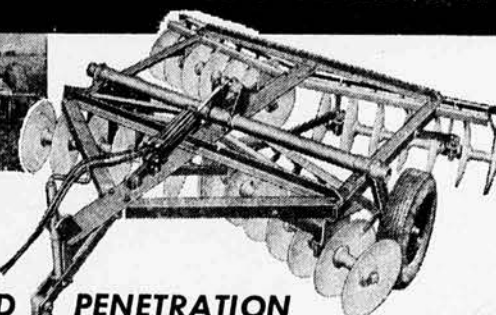
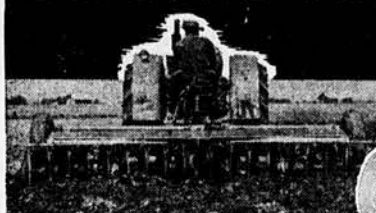
Twin calves are not such an unusual occurrence in dairy cattle as some persons seem to think. Statistics show that one set of twins are born for about every 50 calving. Only about 10 percent of twins born are identical. Identical twins have exactly the same inheritance, and if bred alike will perform the same: they will make same rate of growth and produce almost exactly same amount of milk and butterfat. Identical twins behave alike and even on pasture are nearly always together.

The reason, then, experiment stations are interested in obtaining identical twins is it greatly speeds up experimental results. Knowing identical twins have the same inherited ability, results obtained in feeding identical twins different rations would be entirely due to feed. While feeding other animals different rations, many trials must be made, trying to eliminate differences obtained due to inheritance.

Answers 4-H Inquiry

We had an inquiry recently from a 4-H Club girl regarding twins her cow had produced. Twins were opposite sex and she wanted to use the heifer as a 4-H project. She was wondering if the heifer would breed and if she could register her. The chances of a heifer, born a twin with a bull, to ever breed are slim. I think scientists tell us only about 8 per cent of these heifers will develop normally and reproduce. I believe there is a test that can be made by a veterinarian to determine whether or not such a heifer will breed. I understand this test can be made at any age. Such a test would save trouble and expense of developing the heifer in order to find out for sure if she would breed. The male calf is not affected by being a twin and will breed as any other normal bull.

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seller, chenille monkey, trees, dolls, flowers.
Terrific holiday demand. Information free. Velva,
Bohemia 2, N. Y.

Fairmount Maternity Hospital—Seclusion and
delivery service for unmarried girls. Adoptions
arranged; low rates; confidential. 4911 E. 27th
St., Kansas City, Mo.

Church Groups—Raise funds easily! Over 40
useful, unusual money-makers. Try us. Free
catalog. Complete credit. Bob Products, Dept.
K-F, Oneonta, New York.



In the Field

MIKE WILSON

TOPEKA, KANSAS

Livestock Editor

Annual meeting of the KANSAS MILK
SHORTHORN SOCIETY will be held at the
Hotel, McPherson, on the 22nd of January.
Meeting will start at 10:30 A. M. Following
annual meeting there will be a special meet-
ing on February 3 during Farm and Home Week
Manhattan.

J. L. NELSON, Wichita, is owner of
Albans A Grand A Girlie, Junior 3-year-
Guernsey who has completed a production re-
cord with The American Guernsey Cattle Cl.
Her record was 10,117 pounds of milk and
pounds of butterfat, having been milked
times while on test.

NORMAN K. NELSON, Wichita, is owner
Western Ruth's Queen, 6-year-old, who had
record of 11,693 pounds of milk and 619 pounds
of butterfat on 2 times daily milking for
days.

C. A. BURNETT ESTATE HEREFORD SALE
at Golden Willow Ranch 12 miles east of Pi-
burg on December 17, was held to settle the
estate of C. A. Burnett, Girard.

Over 100 lots were cataloged. Buyers ma-
selection in this auction from Kansas, Missou-
Nebraska, Illinois and Tennessee. P. B. Gleas-
Nashville, Tenn., was a very heavy buyer as
purchased 14 lots, including herd bull, Public
Domino 172nd. This bull sold for \$1,000. J.
Cheek, Fair Play, Mo., gave \$1,000 for H.
Aristocrat 40th. Bulls sold better than they had
been selling in most sales this fall. Four he-
reached \$500 which was 2nd high on bulls.
number sold from \$300 to \$450. High-selling
male lot was \$635 on cow and calf; the cow
\$400 to a Nebraska buyer and bull calf at
to a Missouri buyer. Several cows reached \$500.
High-selling open heifer sold for \$500 to M.
O'Bryan of the O'Bryan Ranch, Hiattville, O.
40 head went to Kansas buyers. Bloodlines
this offering were popular but most of the
were too thin to bring the highest dollar.
W. H. Heldenbrand, Oklahoma City, Okla.,
auctioneer. He was assisted by G. L. Shull,
press representatives.

WAITE BROTHERS, KENNETH AND BOB
Hereford breeders of Winfield, are continuing
supply outstanding breeding stock to the
herds throughout the United States. They have
completed one of the 12 most satisfactory years.
Among the sales the brothers have made in
recent months were 18 females to Thad For-
Hattiesburg, Miss. Mr. Fowler spent sev-
days searching for top females in the Mid-
west then made his final selection from the
Waite herd. A group of 8 females was purchas-
ed by F. L. Allred, Winfield. Also a bull to head
herd of H. F. Johnson & Son, Caldwell, W.
Waite Brothers have consigned many outstand-
ing cattle to the various consignment sales in
Kansas. Their cattle have been winners in the
and continuously have brought top prices
various sales.

Sixty bulls in the SALINA BULL AUCTION
of registered Herefords, held in Salina, Decem-
ber 2, brought a total of \$14,957 to make a
general average of \$250. icy roads and heavy
snow through this territory kept many buyers
breeders from attending this auction. Top
was Lot 55, TR Zato Heir, consigned by
Ranch, Brookville, was top-selling bull. He
purchased by J. J. Ranch, Salina, for \$1,290. O.
Gene Watson sold the sale.

Thirty-five Herefords in the SOUTH C
TRAIL KANSAS ASSOCIATION SALE, held
Newton, December 5, brought a total of \$84,
to make a general average of \$244. Twenty-five
bulls averaged \$235; 11 females sold for an av-
erage of \$220. Champion and top bull was
WVHR Royal Star 48th, consigned by W.
Brothers, Winfield, and sold to Lucas Bros.,
Dorado, for \$700. Champion and top fem-
was Lot 38, TOF Miss Tredway 26th, con-
signed by Twin Oak Farm, Moundridge, and sold
Cecil Medley & Sons, Tampa, for \$345. Col. F.
die Chandler was auctioneer.

On December 8, the KANSAS ABERDE
ANGUS ASSOCIATION held their range bull
at Dodge City. Due to young ages of cattle
their general condition, average per head on
444 head sold was only \$226. Top bull, Lot 4
Prince Blackbird 2nd of Bates, consigned
Hugh R. Wilk, Clearwater, and sold to C.
Chiles, Sublette, for \$700. Auctioneers were
Sims and Gene Watson.

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● AUCTIONEERS ●

BERT POWELL

AUCTIONEER
LIVESTOCK AND REAL ESTATE

1529 Plaza Avenue Topeka, Kan.

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Auctioneer and
Complete
Sales Service

Write, phone or wire

Beef CATTLE

REGISTERED ANGUS

Now offering bulls 10 to 18 months.
STNUT & HALLSBACK, Quinter, Kansas

REG. HEREFORD BULLS

18 months old. Sired by: OJR Jupiter Star
Domino Lad KTO 111th and F. Elation 22.
Range and herd bull prospects.
WAITE BROS., Winfield, Kansas

Reg. Hereford Bulls

20 months old. Sired by Mathews Tone.
Bulls sired by J. S. S. Perfect Domino.
Quality. Low prices.
DEMANN BROS., Sharon, Kan.

POLLED SHORTHORNS

Established — 1907
Banbury over 150 in herd. Cherry
Hill—Oakwood—Coronet blood. None
better. For sale: One choice young
sire. Club calves, bulls and females.
Some of all ages. Including the show
herd. No public sale. Prices reduced.
You can save \$25 to \$100.
BANBURY & SONS
Plevna, Kansas
9 miles southwest of Hutchinson,
then west 14 miles on blacktop.

**For Sale: Good Registered
HORTHORN BULLS**

herd sires, Haigler Chief Consul, 5 years
and Lord Ben Jr. Frim, a Ben Sluder
bull, of May, 1951. Some sons of Perfect
bull 2nd, up to 19 months old. 23 extra
steers.
BOWEN BROS., Hoxie, Kansas
miles south on Hy. 23, then 2 1/2 west.

Dual-Purpose CATTLE

**Diamond A Farms
ILLED MILKING SHORTHORNS**

ring a few good bulls for sale, up to 14
ths of age, out of D.H.I.A. tested and
sired stock.

PRICES REASONABLE
Write, phone or visit.
DWIGHT ALEXANDER
Diamond A. Farms, Geneseo, Kansas

Illyn MILKING SHORTHORNS

sires from Duallyn have improved milking
reshing quality of many herds. Buy a son of
noted proven sire: Imported Iford Earl
ine 11th, RM, or Neralcam Admiral RM.
for prices.
JOHN B. GAGE, Rt. 1, Eudora, Kansas

Reg. Young Polled Milking

orthorn Cows and Bulls

BUNGER, Council Grove, Kan.

Dairy CATTLE

WISCONSIN DAIRY CATTLE

the Holstein, Guernsey and Brown Swiss
s, Yearlings and Springing Heifers. Deliv-
to your farm C.O.D.
is R. Grosse, York, Nebr., Bx. 48, Ph. 1419

NORTHCREST FARMS

a service-age Holstein Bulls from classified
with D.H.I.A. records up to 750 lbs. B. F.
Billy, "45" and Ormsby breeding. Price
12 miles west of Manhattan on No. 24.
WESLEY NAUERTH, Riley, Kansas

PUREBRED HOLSTEIN BULLS

type, service age, from dams with DHIA
ds from 450 to 740 pounds on 2 time.
E. FUNK & SONS, Hillsboro, Kansas

**FOR SALE
ISTERED BROWN SWISS BULL**

2 Years
M SISTERS, Ellsworth, Kan., Rt. 1, Bx. 47

Livestock Advertising Rates

Effective February 1, 1951

Column inch (5 lines) ...\$3.50 per issue
Column inch ...\$9.80 per issue
ne ad costing \$3.50 is the smallest ac-
cepted.

Publication dates are on the first and
third Saturdays of each month. Copy for
stock advertising must be received on
Friday, eight days before.

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

Public Sales of Livestock

Guernsey Cattle

January 19 — Harvey Buehler, Mayetta, Kan.
Sale at Holton, Kan.

Aberdeen - Angus Cattle

February 11, 1953 — Chisholm Trail Angus Breed-
ers' Association, Caldwell, Kan.
February 17 — C. E. Reed's Tenth Annual Angus
Production Sale, Wichita, Kan.
March 26 — Kansas 487th Sale, Salina, Kan.
March 30, 1953 — Kansas Special Registered Aber-
deen-Angus Sale. Ericson, Thalman & Davis,
Hutchinson, Kan.
April 1 — Southeast Kansas Aberdeen-Angus
Breeders Association, Iola, Kan. Clarence C.
Ericson, Savonburg, Kan.
April 9, 1953 — Mid-Kansas Aberdeen-Angus As-
sociation, Hutchinson, Kan. Phil Sterling,
Secretary, Canton, Kan.

Hereford Cattle

January 10 — L. H. Hazlett & Son, Oak Hill, sale
at Clay Center, Kan.
January 31 — North East Kansas Breeders Sale,
Topeka, Kan.
February 2 — Kaw Valley Association Sale, Man-
hattan, Kan.
February 5 — Olivier Bros., Harper, Kan.
February 7, 1953 — Dickinson County Hereford
Association, Abilene, Kan.
February 9 — Kansas Range Bull Sale, Dodge
City, Kan.
February 13 — HG Hereford Farms, Colby, Kan.
February 16 — Solomon Valley, Osborne, Kan.
February 21 — CK Ranch, Brookville, Kan.
February 27 — Sam Gibbs, Clay Center, Kan.
March 2 — Marshall County Herefords, Marys-
ville, Kan.
March 13 — Western Republican Valley Hereford
Association, St. Francis, Kan.
March 20 — Sutor Hereford Farms, Palco, Kan.
April 18 — Mid West Polled Hereford Association
Show and Sale, Deshler, Nebr. Fred C. Duey,
Sale Manager, Chester, Nebr.
November 6 — Cowley County Hereford Breeders'
Association, Arkansas City, Kan.

Polled Hereford Cattle

February 20 — Central Kansas Polled Herefords,
Herington, Kan.

Duroc Hogs

February 5 — Kansas Duroc Breeders Bred Gilt
Sale, Sabetha, Kan. Dean Bell, Sale Man-
ager, Lebanon, Kan.
February 7, 1953 — Vern V. Albrecht, Smith Cen-
ter, Kan.

TREND OF THE MARKETS

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

	Ago Week	Ago Month	Ago Year
Fed Steers	\$31.75	\$34.50	\$36.00
Hogs	18.75	17.25	18.50
Lambs	21.50	23.50	30.50
Hens, 4 to 5 lbs. ....	.23	.24	.26
Eggs, Standards .....	.43	.44	.39
Butterfat, No. 1 .....	.60	.62	.80
Wheat, No. 2, Hard ...	2.45 1/2	2.48	2.57
Corn, No. 2, Yellow ...	1.63 1/2	1.62 1/2	2.00
Oats, No. 2, White ...	.99	.98 1/2	1.08
Barley, No. 2	1.56	1.54	1.53
Alfalfa, No. 1	45.00	45.00	44.00
Prarie, No. 1	—	30.00	27.00

HOGS

**"53rd" Annual
Duroc Bred Gilt Sale
February 7, 1953**

50 choice gilts bred for February,
March and April farrow to "Mr.
Music" and "Prince Boy."

15 Fall Boars and Gilts. 2 May herd
boar prospects.

No better will be sold anywhere this winter.

Write for catalog.

Vern Albrecht
Smith Center, Kansas

**FOR SALE
POLAND CHINA BRED GILTS**
100 head to select from. Also tops in fall boars
and gilts. Write
BAUER BROS., GLADSTONE, NEBR.
"Just over the line in Nebraska."

**LITTLE ADS BRING
BIG RESULTS**

in Kansas Farmer — Classified
Department. Only 10c a word,
per issue — 12 words minimum.

10th Annual Production Sale

Aberdeen-Angus Cattle

33 Beefmaker Bulls 33

Bandolier Sunbeam Eileenmere Blood

**12 Bred and Open Heifers 12
FOUNDATION STOCK**

In calf to Prince of Red Gate 6th a son of Imp. Prince of Rowley.

Yearlings—raised outdoors—healthy—vigorous, ready to work—good
breeding condition—none show fitted. We do not use nurse cows. These are
the bulls for outcrossing any of the leading intensely bred bloodlines. They
are the close up family relatives of the cattle that produce the individuals
selling at averages in the thousands of dollars per head.

They could produce for you individuals that win in shows and sell high.
They have done it many times since we started some 15 years ago with
same foundation cattle as all the leading herds in America. Get a catalog
and study the pedigrees. One will be mailed upon request. Plan to attend
our sale and save money. Any good farmer can afford Beefmakers.

Our Bandoliers are grandsons of Blackcap Barry, Black Bardolier, Evad-
ers Quality Bardolier and Quality Marshall females.

Our Eileenmeres are daughters and granddaughters of the "85th" and
"487th"—"The Wonder Bull" and Barbaramere 2d whose sire was a son of
the famous cow, Blackcap Missie 380118.

We are using two sons of Imp. Prince of Rowley—Prince of Red Gate
6th & 7th out of Blackcap Empress daughter of Eventuator of Red Gate.

IN SERVICE:

One son and three grandsons of Ever Prince of Sunbeam

CONSIGNORS:

7 by Chester Johnston Bucyrus, Kansas
7 by W. H. Becker Goddard, Kansas
29 by C. E. Reed Wichita, Kansas
2 by Fred Claussen Russell, Kansas

Sale at the Farm—February 17, 1953

Located 2 miles west of Wichita on U. S. Highway 54—1 mile south
and 1/2 mile west.

C. E. REED

Wichita

4114 East Central Avenue
Telephones:
Resident 68313—Farm 53868
Mike Wilson for Kansas Farmer

Kansas

**KANSAS RANGE BULL SALE
Monday, February 9, 1953**

10 A. M. Sharp. C.S.T. at

Dodge City, Kansas

McKinley-Winter Livestock Commission Co.

425 KANSAS HEREFORD BULLS

At auction. Selling singly and in pens of 2-3-4-5. A great selection of indi-
viduals and bloodlines. All serviceable aged, big, rugged, growthy Here-
ford bulls ready to start breeding profit into your herd. (Bulls will be
graded and judged for sale order February 8, 1953.)

For catalogs and information, write:

The Kansas Hereford Association

Tom Sullivan, Secretary-Manager, State Fairgrounds, Hutchinson, Kansas. Phone 5-8981.
Auctioneers: Watson and Chandler
Mike Wilson for Kansas Farmer

Golden Ridge Guernsey Farm Dispersal



January 19, 1953 — Holton, Kansas

(In heated Sale Pavilion, 1/2 mile east on Highway 116.) 1:00 P. M.

50 HEAD OF REGISTERED GUERNSEYS

20 cows in production, most of them freshen just before sale day. 6 2-year-
old bred heifers. 24 yearling heifers and heifer calves. In this group there
are several excellent 4-H and FFA prospects. The cows have D.H.I.A.
records up to 600-lbs. fat. Included are a number of granddaughters of
Langwater King of the Meads. The heifer calves are sired by a son of Two
Brook Butterfat Herald. Our present herd sire, Hershberger's King But-
ter Fat, sells. The bred heifers and some of the cows carry his service.
Included is another bull Golden Ridge Blooms King, a double grandson of
Langwater King of the Meads. A few bull calves and 8 grade bred heifers
will sell. A line of farm machinery and 1,000 bales of clover hay.

Harvey Buehler, Owner, Mayetta, Kansas

Mike Wilson, Auctioneer

Lunch by Brick Grange Ladies

WILLOW CREEK HEREFORD FARM

First Annual Sale

**JANUARY 14, 1953
CANTON, KANSAS**

(Sale will be in our new sale barn just off Highway 50N at the south
edge of Canton.)

Selling 60 Head

20 Bulls — 40 Females

Cattle can be seen at Canton after January 1st.

For catalog write:

**Glennon Crowther, Gypsum, Kansas, or
Glennon & J. J. Crowther, Owners**

Gene Watson, Auctioneer

Mike Wilson for Kansas Farmer



THE TANK TRUCK



Left—Moses Aupperle uses Conoco Super Motor Oil or Conoco HD Oil to lubricate this and all the other equipment on his farm.

Right—Weather doesn't stop Mr. Aupperle from getting around. He flew this plane on the day the picture was taken.

"...With the Greatest of Ease!"

WEATHER will never stop Moses Aupperle from getting around! Give him just an ordinary 3-inch snow, and he can get from his Osakis, Minnesota farm to about any place in the country in one of his two airplanes. When the snow gets too rough, he just adds ski-type landing gear to the plane and takes off, to "float through the air with the greatest of ease."

But when flying is impossible, Mr. Aupperle can fall back on one of his many other vehicles... his two trucks, his jeep, his Cadillac, or the Ford.

He's pretty well fixed for farming equipment, too! Two D4 Caterpillar tractors... a John Deere tractor... and a self-propelled combine.

And every engine on his 1,000-acre farm... including those of the PT19 and Taylorcraft planes... is lubricated with Conoco Super Motor Oil or Conoco HD Oil.

"Since changing to Conoco motor oil several years ago," he says, "I have decreased my operating cost... my motors stay cleaner... and they need fewer repairs. Motor oil consumption is much less than it was before! I use Conoco Super Motor Oil and Conoco HD Oil because I feel they are the best I can buy."

"And I'm really sold on the prompt and efficient service given me by Lenthe Oil Company of Breckenridge, Conoco jobbers, in delivering Conoco Products to my farm."

Yes, Mr. Aupperle has found that it takes good petroleum products to keep his equip-

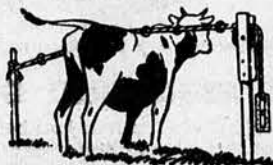
ment on the go... and that means Conoco farm products. Why don't you make sure you'll be ready to "take off"... whether in a plane or a tractor... by switching, now, to Conoco. Call your Conoco Man, today!

Why a "Heavy Duty" Oil?



When tractors plow or do other heavy duty work, engines operate at very high temperatures and gummy resins form... but the "cleaning" action of a "heavy duty," detergent oil keeps resins from depositing on rings and pistons. When your tractor is doing light work like powering a hammermill, you still need a heavy duty oil. When your engine runs cool, moisture condenses and a gummy residue forms when the fuel is not all burned up. Heavy duty detergents in Conoco HD and Conoco Super Motor Oil disperse moisture, curb sludge accumulation and prevent ring sticking. Remember—they're both Heavy Duty to help keep your engine new and clean.

Back Scratcher!



Let cattle in feed lots curry their own backs, says Wm. Krohn, R.2, Albion, Nebraska. Set 2 posts 8' apart. Fasten one end of rope to one post, pass other end over pulley in second post, as shown. Fasten cement block to end of rope to provide tension. Pesticides may be smeared on rope, and a couple of knots will please the cattle.

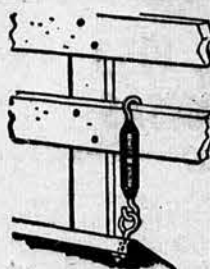
Oil Consumption Stopped!

Out near Torrington, Wyoming, where strong winds almost double the work of a tractor, Leonard Daiss recently leveled 160 acres to make a fine bean farm. "When I decided to try Conoco Super," said Mr. Daiss, "I found the tractor using a quart or two a day. Then oil consumption suddenly stopped, and that's the way it's been since. I certainly recommend Conoco Super."



No Rattle Rack!

To stop the noise and wear and make stock frames solid on a pickup, fasten the rack down with two turnbuckles and two eye bolts, as shown, recommends M.A. Boulware, Kanawha, Texas.



Pecan Rolls

... by Mrs. John Setter
R.1, Greeley,
Kansas



1/2 cup milk
1/2 cup butter
1/2 cup sugar
1 cake fresh yeast
2 beaten eggs

1 1/2 cups sour cream
1 1/2 t. salt
5 1/2 cups sifted flour
1 cup brown sugar
1/2 cup chopped pecans

Combine scalded milk, butter, white sugar. Cool to lukewarm. Soften yeast in above mixture. Add eggs, salt, flour, one cup sour cream. Mix well. Let rise until double in bulk. Punch down and put in refrigerator overnight. Let dough come to room temperature. Roll in rectangle 12 x 24 inches & 1/4 inch thick. Top with 1/2 cup sour cream, brown sugar and pecans. Roll up like jelly roll, slice 1/2 inch thick. Line each muffin cup with 1 t. butter, 1 t. brown sugar and whole nut meats. Lay slices in cups. Let rise until double. Bake at 375° for 20-30 min. Makes 36.

Shears for Recipes!

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



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CONOCO GASOLINES • CONOCO HD OIL
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CONTINENTAL OIL COMPANY

SAWS FOR IDEAS!

Send your original ideas to The Tank Truck, Dept. E, Continental Oil Company, Ponca City, Oklahoma, and get a genuine \$10.25 D-15 Henry Dieston Hand Saw for every idea that's printed!