

Copy 2

Kansas Farmer



THIS 2-ROOM steel building houses Jarbalo Union No. 1 consolidated school, in Leavenworth county. Cost is said by board members to have been less than for other types of construction.

The Little Steel Schoolhouse

ONE of the most unusual rural school buildings in Kansas is Jarbalo Union No. 1, in Leavenworth county. Built during the summer of 1949, it is entirely of steel construction except for a brick-and-concrete entrance. Cost of the 2-room school was \$25,000 which, board members say, was \$15,000 cheaper than any other type of construction at the time.

Jarbalo Union No. 1 holds the distinction of being the first consolidated school in Leavenworth county. Four districts went together in 1945 to form the new consolidated district and a fifth district was added later.

When consolidation came, however, the building then in use at Jarbalo was not adequate and severe crowding soon appeared. Mrs. Ruth L. Klinkenberg, who has taught the lower grades at Jarbalo off and on for a total of 9 years, says, "Before our new building was constructed the first 4 grades met in the old one-room schoolhouse and the upper grades had to meet in the high-school building."

Now there are 64 students in the new school building, with Mrs. Klinkenberg as one teacher and Mrs. Esther Phillips as the other. Mrs. Mae Henry, of Tonganoxie, who teaches art in the high school, also conducts art classes in the new consolidated school on a regular schedule. Last year a high-school music teacher also gave instruction in the grade school but "this year we don't have a music teacher," says Mrs. Klinkenberg. Some help from the high-school teaching staff is given the consolidated school for boys' activities, and all students go to the high school several times a week for visual education. High-school and grade-school PTA groups are combined into one unit which is very active, according to the teachers.

A bus service owned privately by Ernest Trackwell hauls both grade- and high-school pupils in the

[Continued on Page 19]

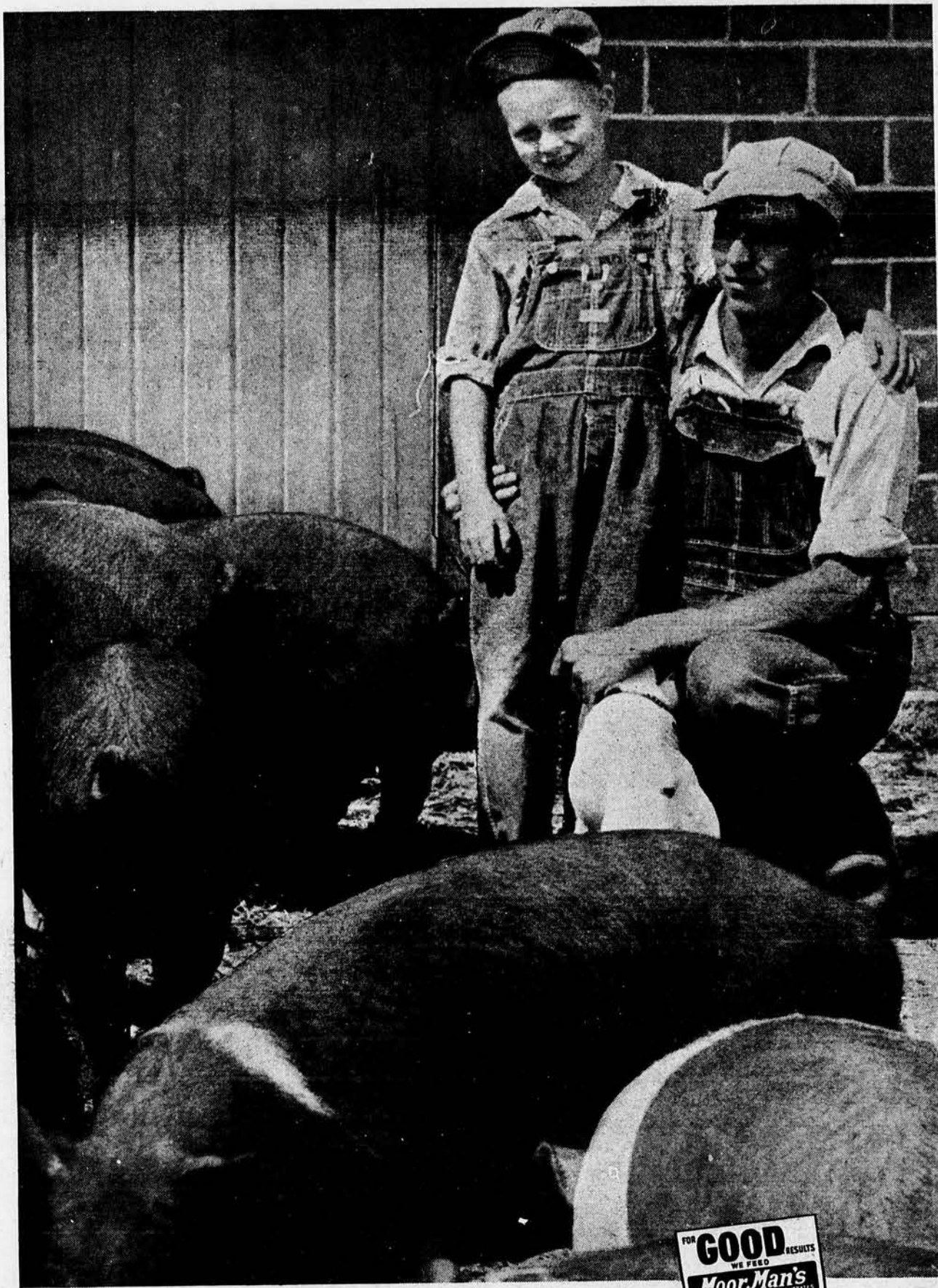
MODERN DRINKING FOUNTAIN (below) in Jarbalo school is enjoyed by 7th grader Judy Sandwell, as Mrs. Esther Phillips, teacher of upper grades, looks on.



MRS. RUTH KLINKENBERG helps some of her 4th graders at Jarbalo during class in arithmetic.

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MANHATTAN STATE COLL
MANHATTAN KANS
GS 100-X
538



Jay Mowry, 8, is on his way to become one of Iowa's top-notch hog producers—like his dad, Virgil. Jay's mighty proud of his own gilt, and her litter of 8 pigs. Virgil says that he used to figure on getting shoats to weigh 100 lbs. in 4 months if he was them to weigh 200 lbs. in 6 months. Now 3½-month-old 120-lb. shoats about like the picture, will weigh 215 to 220-lb. in 5 months! And that's raising pork fast.

"3½ month shoats averaged 120-lbs.—cost \$10.05 each fed on MoorMan's"

—says Virgil Mowry

"We've fed MoorMan's five years and have worked out a system of management and feeding that gives us by far the most profitable hog program we ever followed," says Virgil Mowry, Clinton County, Iowa.

"For example, the shoats in this picture are only 3½ months old. I bet they'll easily average 120-lbs.—although the biggest will weigh about 150 lbs. There are 81 of them, and they're on 9 litters—an average of 9 per litter."

"Our feed costs to bring them to market are: MoorMan's Pig Mintrate \$95.50; Hog Mintrate 45, \$163.50; corn (figured at \$1.70 a bushel) \$467.50; oats, 80 bu. at \$1.00 \$80.00; MoorMan's Hog Mineral \$3.68; MoorMan's E-Z-Ex wormer \$3.84. That's a total of \$814.22 or an average of only \$10.05 each 120-lb. shoat."

"At this rate they'll easily reach 220-lbs. in about five months—and total feed costs should be about \$10 a hundred pounds of pork."

"We're pretty sure that MoorMan's concentrates have what it takes to make big litters of big, strong pigs, and to develop them into hogs extra fast when we feed MoorMan's with our own grain."

"Here's why we think MoorMan's helps us get big litters: Two years ago we kept Mintrate from the sows before breeding time and before farrowing. Some of them had only two or three pigs, and our pig crop was only what it should have been. We're convinced it wasn't the boar, either. We went to feeding MoorMan's at breeding time and at farrowing, and right away we got big litters again."

Prove to yourself how you can cut costs and at the same time raise more thrifty hogs with MoorMan's concentrates. The protein-vitamin-mineral combination in MoorMan's Pig Mintrate HogMintrate 45 is blended to make grown feeds work harder by releasing more of the pork building nutrients than ever before. With MoorMan's you can get fast growth and fine finish at a good profit above feed costs. Ask MoorMan Man to figure the total cost for that next bunch of hogs. No MoorMan Man calls, write MoorMan Mfg. Co., Dept. J3-12, Quincy, Ill.

MoorMan
(SINCE 1885)

MAKERS OF PROTEIN AND MINERAL CONCENTRATES FARMERS NEED, BUT CAN RAISE OR PROCESS ON THE FARM

THEY, TOO, ARE MAKING MORE PROFIT—FEEDING MOORMAN'S

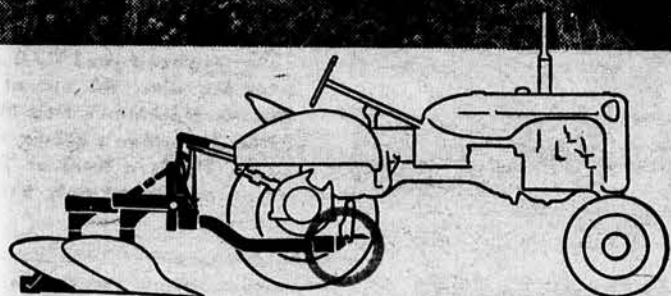
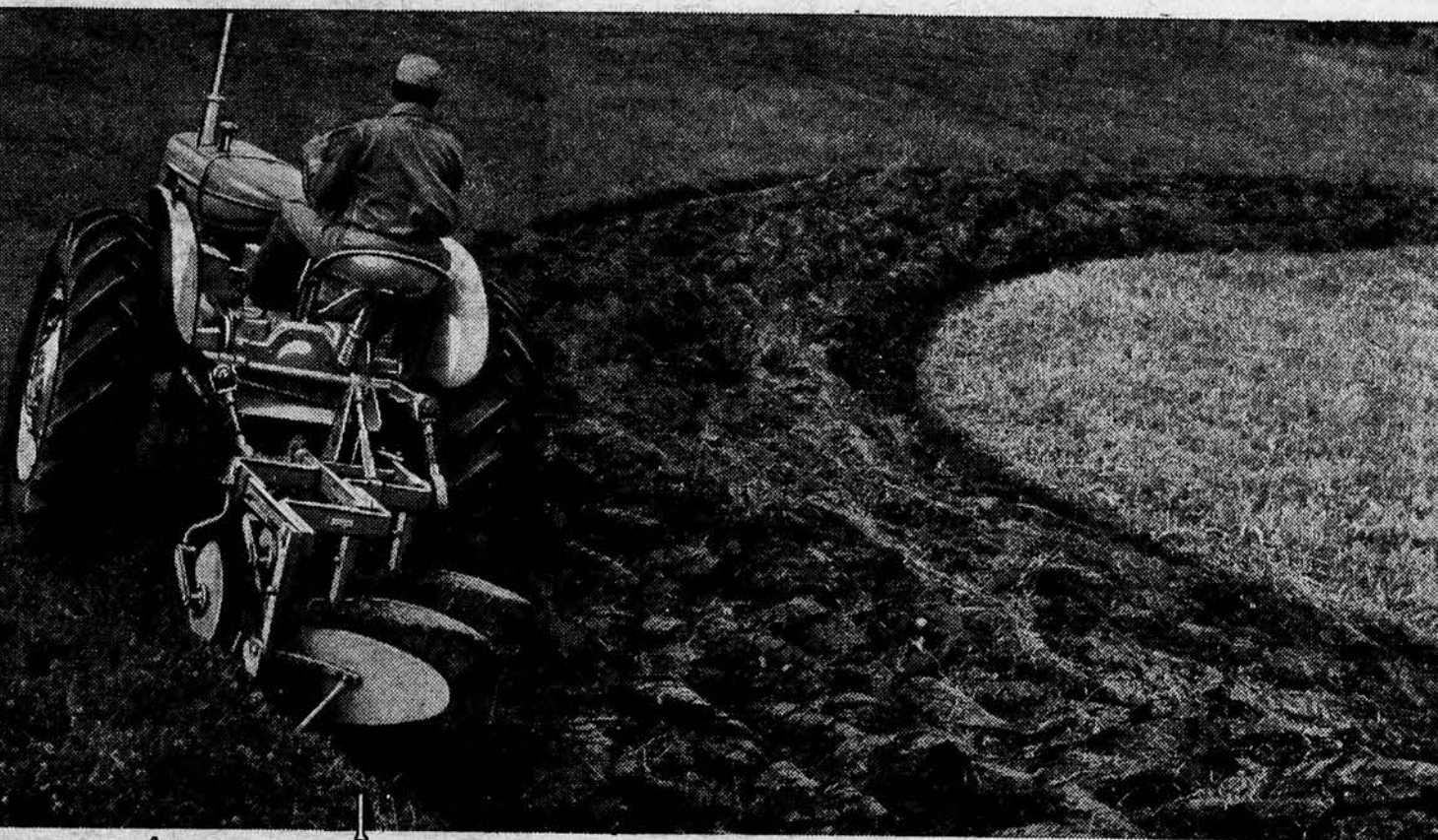


Robert Porritt, Oakland Co., Michigan, says: "Our herd was smaller, but gave 45,482 more pounds of milk—and butterfat average increased from 360.93 to 439.32 pounds—the first year we fed MoorMan's Cow Mintrate. These increases are shown in annual summaries taken from our DHIA records."



Mrs. Clarence Morrical, Kankakee Co., Ill., says: "Our customers are glad to pay us 5¢ a dozen premium because eggs from hens fed MoorMan's Poultry Mintrate 40 are of such high quality. During the winter our production averaged 78%—273 eggs per day from 350 hens. And our total feed cost is only 17¢ a dozen."

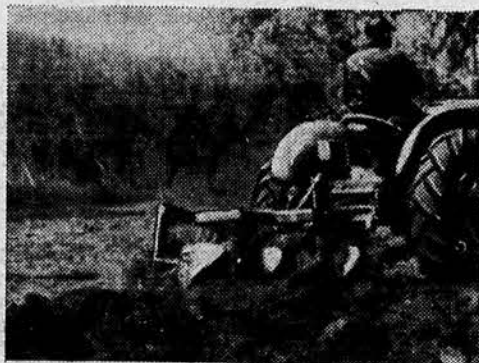
Now! Free-Swing Implements



*only 1 hitch point
to line up*

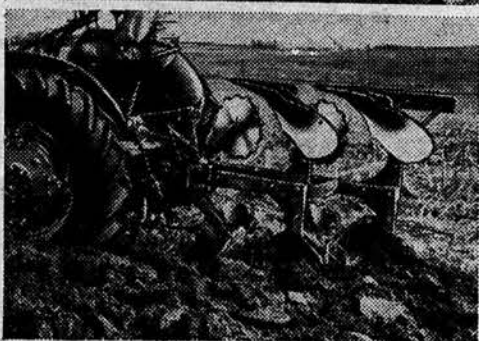
How Free-Swing Plow Dodges Stones

This remarkable action picture shows a 3-bottom WD mounted plow striking a large, underground stone. Initial shock is absorbed by a heavy compression Traction Booster spring and superstrength plow beams with spring-steel temper. Single-point hitch lets plow dodge to either side of stone or ride over without breakage.



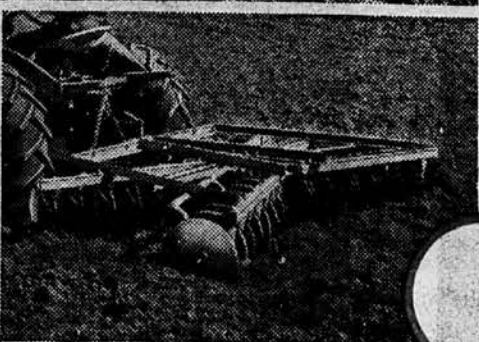
Seeing Double?

No—it's actually the new 2-way, 2-way A-C Spinner Plow that eliminates dead furrows and plows all furrows uphill. Conserves soil and moisture. Keeps land level for irrigation. Here is a coming Traction Booster plow for all territories.



Never Grease It

New mounted disc harrows for A and WD Tractors have life-long BAL-PAK bearings. Save time and grease, pull easier, last longer. Harrows are free-Swing...free to go where tractor leads. Hydraulic lift for end turns and transport. See Traction Booster in heavy work.



Hitch and GO! Minute-quick!

New A-C hydraulic implements with **FREE-SWING** control are a snap to attach, and have a new easy-steering "feel." They follow where the tractor leads—around curves, over uneven ground, along terraces.

The single master hitch point on CA and WD tractors simplifies attaching mounted tools. Implements are free to swing right or left for steering around the contour or dodging stones.

TRACTION BOOSTER lets the implement hold *level depth* by increasing weight automatically on the tractor drive wheels, preventing slippage.

POWER-SHIFT tractor wheels are moved in or out by engine power, to match implement spacing for any crop.

Anything less is farming in the past. Your Allis-Chalmers dealer can show you tomorrow's way—ask him.

BAL-PAK is an Allis-Chalmers trademark.

ALLIS-CHALMERS

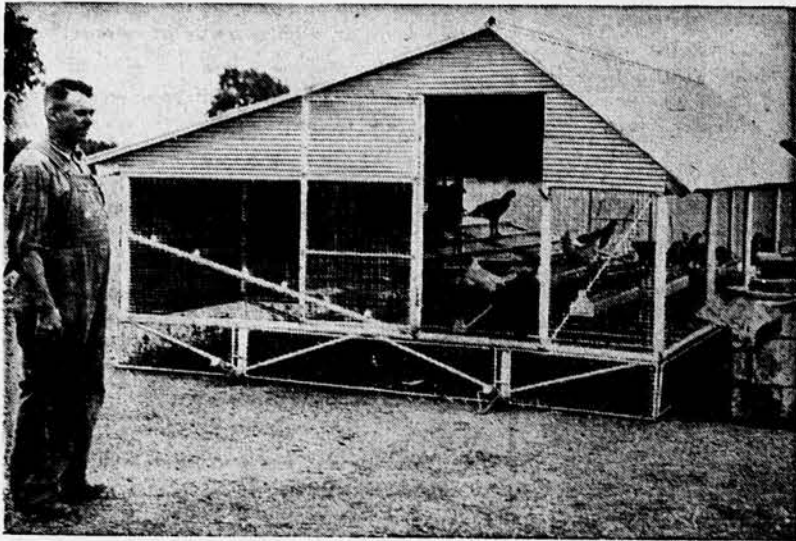
TRACTOR DIVISION • MILWAUKEE 1, U. S. A.

This Handy, Efficient Farm Shop Saves Family Hundreds of Dollars

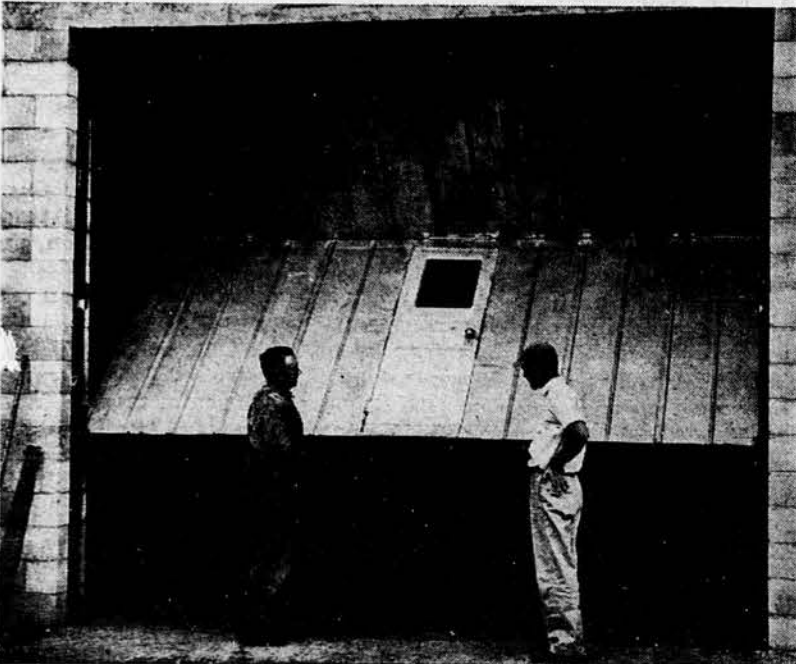
By DICK MANN

A FARM SHOP is more than "just a place to fix things." Actually, a farmer with ideas and the shop equipment to bring them to life can change the entire appearance of his farm. Paul Wing, of Wilson county, is such a man. With plenty of ideas and skill but with only a minimum of shop equipment, he has really changed things on his farmstead.

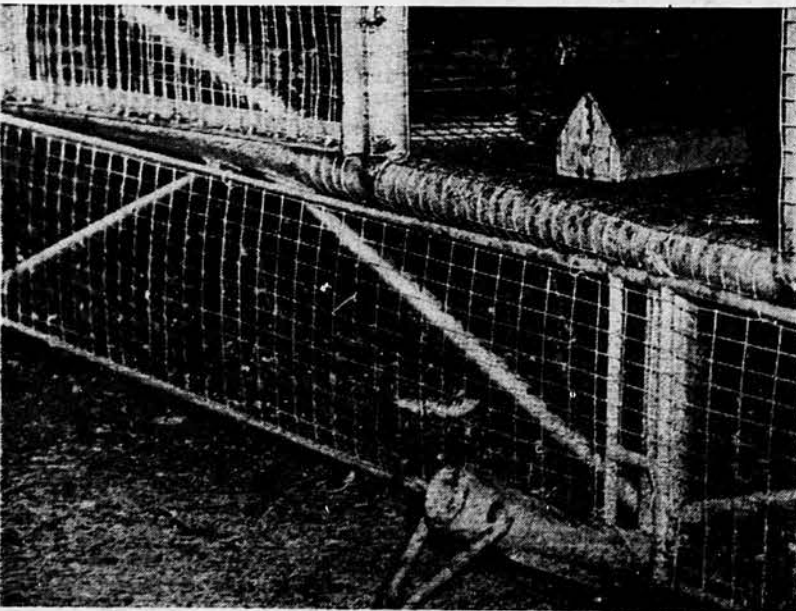
Some time ago when he planned to build a new combination shop and machine shed Mr. Wing needed steel trusses. So he bought a welding outfit and made them. "I saved several hundred dollars and got a welding outfit out of the deal," he says. Pictures on this page show a few things he has accomplished with his shop equipment.



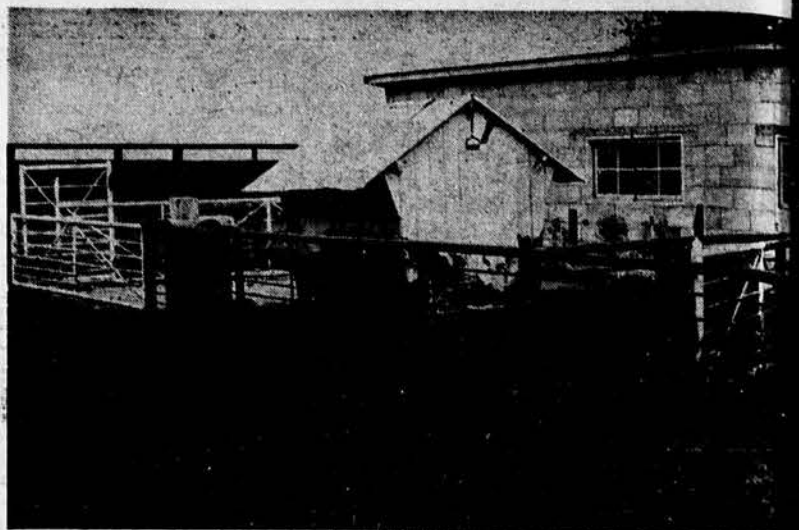
THIS SHOP-MADE range shelter is Mr. Wing's own design. It is 12 by 20 feet and has several new ideas. The 3 open sides are of 1- by 2-inch heavy wire mesh.



UP SHE GOES: Paul Wing, left, Wilson county, shows County Agent Lester Griffith one of machine shed doors he constructed in farm shop. He also made roof trusses for this large concrete block building.



FLOOR OF RANGE shelter is 12 inches above ground for ventilation. Wire mesh removable panels keep chickens from getting underneath. Runners are of 2-inch pipe with welded metal rings for tractor hookup.

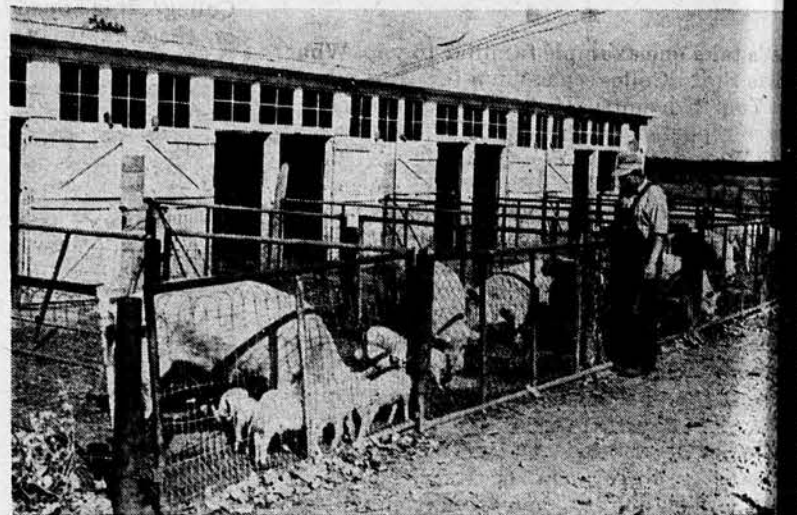


NEAT WELDED PIPE and rod fences and gates make an attractive home lot on the Wing farm. Even doors on farrowing house were made in the farm shop.

FARM WELDER PAYS OWN WAY

Electricity Takes Portable Outfit to the Job

By MIKE BURNS



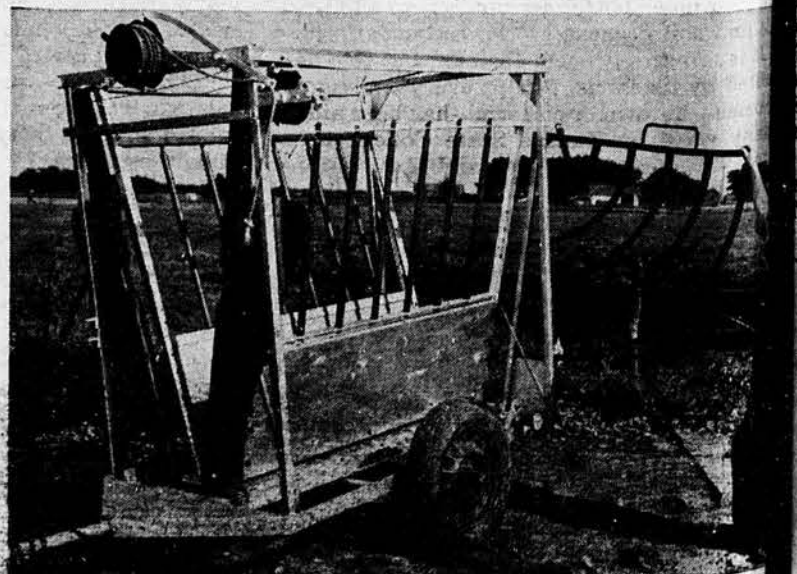
LYLE DOUGHTY inspects a husky litter of pigs in a pen of his new farrowing house, an example of how his welder is paying its way.

LYLE DOUGHTY, tenant on the Louis Drake farm at Moran in Allen county, wanted a farrowing house for his purebred Chester White project. He figured it would mean a real saving in production costs. He took the problem to Mr. Drake, who also owns and manages Humboldt Elevator Mills.

So the 2 got together on the proposition Mr. Doughty would help pay for the house in return for saving he would make in farrowing expense. Mr. Drake financed construction, and Mr. Doughty is paying back two thirds of cost at \$1

for every hog that goes off the pen. The dollar represents one half of Doughty's estimate of the saving will make by using new equipment. Quite an elaborate setup, the house is being constructed by Mr. Doughty in his spare time. At time the pictures were taken he had it far enough along to make the 7 pens usable, and he has 5 sows and 2 boars in the pens. The house is 12 by 60 feet with a 30-by-60 foot concrete slab in front in which gateposts were set at the time construction was started.

(Continued on Page 29)



FOLKS ARE COMING in from miles around to see Lyle Doughty's new portable cattle chute. Mr. Doughty, shown here holding open the back gate of the chute, had ideas of just what he wanted in a cattle chute. This is the result, made of almost all second-hand material.

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Kansas Farmer

News and Comment

Help Needed

VE YOU visited Kansas State College at Manhattan recently? If not you should do so. It is a magnificent educational institution in which you can take personal pride because you are part owner. It is good to look upon its beautiful campus with many sturdy, useful buildings; inspiring to point out to folks from other states.

Kansas State College is outstanding in its field from every angle. Findings of Kansas State scientists are regarded with sincere respect among their fellow scientists, by industry and agriculture throughout the entire Nation. Of direct interest to you is the fact your Kansas State scientists have improved your crops and livestock and your standard of living.

Let's take one example familiar to you. What Kansas State College has done for your wheat. Your November 15, 1952, issue of *Kansas Farmer* reported on this in an article headed, "Wheat Crop 25 Per Cent Higher Due to Work Done by K-State." Since 1911, seven superior wheat varieties have been developed by the college. Over-all results indicate that Kansas now can produce about one-fourth more high-quality wheat than before these improved wheats were available. Based on 1952 yield, this means \$155,000,000 in increased income for wheat producers of the state in one year. And it isn't the end. Even better wheats will be developed in the future.

A similar profit story can be told about virtually every crop grown in the state. Better varieties, higher quality, increased yield. Crops adapted to power machinery harvesting to save time and reduce labor. The livestock picture is equally inspiring. Kansas beef animals, dairy cows, hogs and poultry are greatly improved over earlier livestock because of work done by Kansas State College. This is the result of a practical research program which Kansas cannot afford to be without. That is only one division of the work your college does.

All practical results of work done by your State scientists are made available to every family in the state thru the Extension Service. Your county agent, home demonstration agent and 4-H Club leader bring you these results, help adapt them to your particular farm. How much better are your crops and livestock and soil because of the Extension service? It is safe to say every farm in the state has benefited by its efficient help; every individual Kansas—in town or on farm—has been aided in many ways by Kansas State College thru its two divisions—Research and Extension—already mentioned.

There is a third division equally as important

as either of the other two. President James A. McCain of the College calls it the "on campus instruction" section. Farm boys and girls who go there as students find excellent facilities and eminently capable instructors to help them gain an education. The result is these young folks are exceedingly well-equipped to be graduated into the fields of agriculture, industry, science—and citizenship.

With all its good qualities, even with national recognition Kansas State College has gained, it cannot rest on past records, excellent as they are. Kansas State College must continue to grow, keep apace or ahead of the times. To accomplish this in your agricultural college, your help and encouragement are needed. Presently the Kansas Legislature will receive a request for building funds from Kansas State College. It is hoped to put the Extension service on the campus in a permanent building. Now this service is housed in World War II barracks with less than one half the necessary floor space. Certainly Kansas farm folks are interested in this. Such a project without doubt will increase the efficiency of your Extension service. If you wish to express yourself on the subject, *Kansas Farmer* will be glad to hear from you, as will President McCain and your legislators.

Handle With Care!

VALUABLE—handle with care! You have seen similar words on packages coming into your home at holiday time. Quite cleverly the National Safety Council suggests you apply that warning to yourself—and each member of your family—so you will be more alert in avoiding accidents.

Remember, the council says, your life is the most valuable present you can give your family or friends. Handle it with care. Don't lose it in the holiday rush. The traditional spirit of Christmas is "Peace on Earth, Good Will to Men." Observing that we will be more cautious with other drivers, a little more courteous and less hurried with the folks around home and those we meet. The council urges, "Let's wrap up Christmas safely this year." What a grand way to enjoy fully the full holiday season.

Need for special caution is emphasized by the fact the council finds daily traffic toll during Christmas holiday season is slightly more than twice the annual daily average. Extra travel, early darkness, bad weather, slippery highways, fogged windshields all are accident hazards. Avoid use of candles in dangerous places and keep gift wrappings away from open fireplaces. The council believes these warnings ahead of time may save lives and property. Don't you agree?

For 4-H Progress

NO DOUBT you have felt many times you wanted to help the work of 4-H Clubs. Probably already have helped more times than you can remember. Wonderful! There isn't a finer force for good than 4-H Clubs. Think of it! Kansas has 30,000 members who are learning the best methods of agriculture and the best standards of human behavior and American citizenship. Anytime you help 4-H you are being a good citizen yourself.

This is mentioned now because on November 19, meeting in Wichita, the Kansas Committee on 4-H Club Work organized a state 4-H Club foundation to receive and allocate private donations for furtherance of club work. The committee was appointed 4 years ago by the Governor to act in an advisory capacity. The 4-H Foundation will be incorporated on a non-profit basis, with George B. Powers, Wichita



"When a salesman proposes he says, 'Remember, this is positively the last day for this astounding offer!'"

"Influence: Something you think you have until you try to use it."

"It's true that two can live as cheaply as one: Mom and Dad are living as cheaply as Daughter, who is away at college!"

"This book will do half your work, Sir."
"Good, I'll buy two!"

"It's hard to drive a bargain," said the fellow who had bought an old flivver for \$50."

"One sure way for duck hunters who are hopelessly lost is to shoot some extra ducks. Inside of 2 minutes a game warden will walk thru the bushes to see who's getting more than the limit!"

"Most wives use good horse sense and never become nags."

"A grasshopper can jump 200 times its length."

"That's nothing, I saw a bee raise a 200-pound man 3 feet off the bench he was sitting on."

attorney, in charge of all legal matters. It will be composed of 11 trustees of which W. Dale Critser, vice-president, Fourth National Bank, Wichita, is chairman; State Senator Carl L. Huxman, Sublette, vice-chairman; Attorney Powers, secretary, and Fred D. Wilson, president, Andover State Bank, treasurer.

Other trustees include W. Laird Dean, president, Merchants National Bank, Topeka; E. B. Shawver, Independent Oil Company, Wichita; Max Foresman, director of public and employee relations, Spencer Chemical Company, Kansas City; A. D. Jellison, president, Central National Bank, Junction City; Harry Darby, industrialist, Kansas City; L. C. Williams, dean of Extension, Kansas State College, and J. Harold Johnson, state 4-H Club leader. Certainly a top-quality group of men, all deeply interested in 4-H Club work.

If you wish additional information about making donations to a great youth organization, write to Mr. Johnson at the college in Manhattan.

Don't Miss . . .

THE COVER this issue tells about "The Little Steel Schoolhouse," not the little red one of olden days. You'll find points of interest in this brief article.

And two farm shop articles on page 4 bring you several handy ideas. Don't miss them!



"Truck horns infuriate him!"



"I can't stand screaming!"

SURVEY REVEALS MORE FEEDERS PREFER... **SWEET LASSY®** THAN ANY OTHER CATTLE SUPPLEMENT

HERE'S WHY...



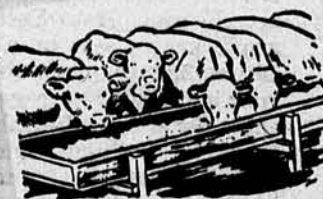
STIMULATES ACTION OF RUMEN BACTERIA

Packed with molasses sugars, cobalt, proteins, and other nutrients that steps up the action of the rumen bacteria—SWEET LASSY helps cattle turn more of their feed to meat... less goes into waste.



CATTLE TAKE ON LOTS OF WATER

The rich molasses sugars in SWEET LASSY increases thirst. As a result, cattle take on lots of water. They utilize their feed better, make faster gains.



STIMULATES THE APPETITE

Rich and heavy with molasses sugars, SWEET LASSY is a palatable supplement that encourages cattle to eat more feed each day. Gives you a fast, prime finish at low cost per pound of gain.



PUTS ON SMOOTH PRIME FINISH

Because cattle eat and drink more and get more good from the feed they eat, they soon take on a smooth even cover of fat. The hide becomes soft and pliable and the hair takes on a rich deep "bloom."



Yes! Independent surveys in Iowa, Nebraska and other midwestern states show more feeders prefer SWEET LASSY than any other major cattle supplement. And with good reason. For SWEET LASSY not only supplies the protein, minerals, and other nutrients cattle need to make big fast gains, but also stimulates the action of rumen bacteria. These bacteria break down the cellulose and fiber in roughage and convert them into substances that can be easily assimilated and turned into beef. As a result of this double action, cattle are able to get more good from grain and low cost roughage they eat! They pile on pounds faster... take on a slick, smooth finish that brings better prices.

Put Your Cattle On SWEET LASSY Now

This year, profit from the experience of thousands of successful cattle feeders. Put your cattle on SWEET LASSY now! Get those EXTRA feeding advantages only SWEET LASSY can give you. See your SWEET LASSY dealer for a supply today!

SWEET LASSY®

SCHREIBER MILLS, INC. St. Joseph, Mo.



COMING, DECEMBER 20 . . .

It takes good cows and good feeding to make money in dairying. You'll be interested in reading in the next issue of **Kansas Farmer** how a Jefferson county farmer discovered his highest priced cows made the best returns on his investment.

Name Officers of State Extension Clubs at November Annual Conference

OFFICERS OF KANSAS state agent and home agent groups were elected at 38th annual Kansas State College Extension service conference at Manhattan, November 4 thru 8.

Forrest Smith, Great Bend, is president of the 4-H Club agents group. Other officers include Raymond Frye, Wellington, vice-president; Wayne Chamber, Dodge City, secretary-treasurer, and Richard Mason, Kingman, reporter.

Home demonstration agents elected these officers: Mrs. Margaret Mauk, Salina, president; Mary Ruth Vanskike, La, president-elect; Marie Henderot, Marysville, 1st vice-president; Blanche Brooks, Clay Center, 2nd vice-president; Mrs. Maxine Stelovich,

Wichita, secretary; Anna Grace Caughron, Burlington, treasurer, and Mary Ziegler, Topeka, historian.

Harvey Goertz, Hiawatha, will serve as head of Kansas County Agricultural Agents for 1953. Brace Rowley, Salina, will be vice-president, and Herman Wetsmeyer, Dodge City, secretary.

About 250 agricultural, 4-H Club and home agents from 105 counties attended the event. Speeches were presented by College staff members; state officials; C. M. Ferguson, Ohio Extension director; Gale Ueland, consumer education specialist, Washington, D. C.; Connie Foote, home economist in marketing, Kansas City, and J. M. Patterson, public relations special representative, Chicago.

Cowley County Farm Institute Meets

THEY HAVE DONE it again! Farmers in Cowley county took time November 13 and 14 to attend all-day sessions of Farm and Home Institute. Something that has been going on in Cowley county since 1892!

Hackney, (an unincorporated town about 60 persons, 1 grain elevator, churches and a community hall) again was the rendezvous for farm families "going to Institute"—to hear music, speechmaking and entertainment. Also, those heavy baskets that found their way to the kitchen were proof of groaning tables of food at the noon hour.

For more than 20 years Charles Anchee has been bringing music students from Arkansas City schools. For several years, St. John's College male quartet, from Winfield, have come to sing—and there are those who would be disappointed without "Dry Bones." Ward Haylett, Kansas State College back coach, told of the 1952 Olympics in Helsinki. W. G. Amstein, Kansas State College Extension horticulturist,

discussed new developments in insect control, as well as in production of fruits and vegetables. D. Arthur Walker, Arkansas City lawyer and colonel in the U. S. Air Force Reserve, recently was sent to Europe on a military mission. He discussed his flying trip, and impressions he acquired of Europeans attitudes toward American policies abroad. An entertaining and informative account of a trip thru the Caribbean sea on a freighter-passenger boat was given by Morris Wilkins, Arkansas City. Mrs. Bill Flick, Winfield, reviewed the book, "A Man Called Peter." There was a juggling act by Roy Henderson, Burden, and a humorous-philosophical talk on homemade happiness by Mrs. Howard Wright, Ponca City, Okla. Other musical numbers were provided by Dr. and Mrs. J. E. Campbell, Oscar Miller, and representatives from Winfield high school.

New officers elected were Robert Kitch, president; Harold Muret, vice-president, and Mrs. Clifford Muret, secretary-treasurer.

Name More State 4-H Champions

HERE ARE additional state 4-H champions in project work, following announcement of 17 other winners in November 15 **Kansas Farmer**: Health, Helen Sterling, McPherson; soil and water conservation, Ernie Trostle, Kingman; corn, Roger Wilson, Morris; pig, Gary Lee Jensen, Lyon; potato and garden, Jimmie Chambers, Franklin; grasses and legumes, Chester Peterson, Saline.

Winners of Santa Fe Railroad trips to the National 4-H Club Congress at Chicago, November 30 to December 4, include: Joanne Brown, Leavenworth

county; Wanda Mae Depperschmidt, Logan county; Christy Crawford, Ness county; Glen Hurst, Reno county, and Harold Garner, Greenwood county.

Rock Island Railroad trip winners to the Chicago event include: Jean C. Sims, Thomas county; Arlyn Peterson, Marshall county, and Loren Thiele, Norton county.

Robert Lehew, Brown county, is state soil conservation champion in division for 4-H members under 14 years old.

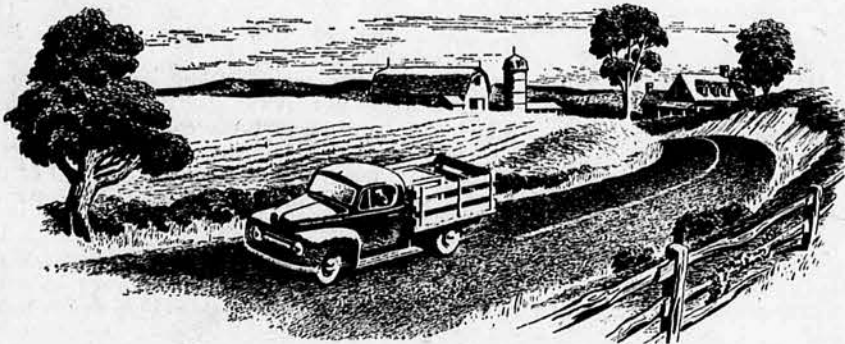
4-H Editor Wins \$100 Scholarship

Lois Ottaway, Viola, editor of 1952 state 4-H yearbook Who's Who, is winner of a \$100 college scholarship by grand chapter of Kansas Order of the Eastern Star. Miss Ottaway is a journalism-home economics senior student at Kansas State College.

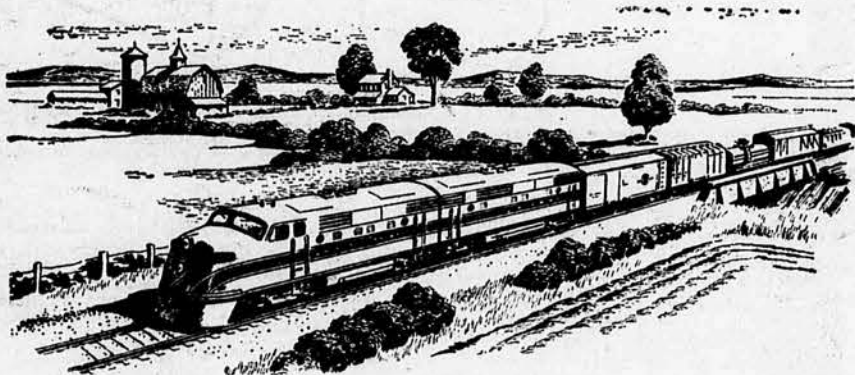
Visit Beltsville

France, Germany and the Netherlands led in numbers of foreign visitors to the USDA Agricultural Research Center, Beltsville, Md., during past fiscal year. A total of 2,278 foreign nationals from 85 countries visited there, and 7,414 U. S. citizens.

A Tale of Two Roads



This is the road that runs past your farm. It is your link with neighbors and nearby towns. You probably use it every day. And remember, no matter who uses it, your taxes pay for building and maintaining it.



This is the road that connects your farm with every other part of the nation. On this road of rails, your crops go to markets near and far. On these rails move the equipment and supplies you use. And, of course, the railroads pay for building and maintaining these steel highways, as well as paying local and state taxes on them.

Public roads are designed to carry your automobile and your farm truck, but they break down under the pounding of heavy commercial freight traffic. Railroads are built for heavy-duty hauling. And it is a job railroads do with unequalled efficiency—carrying more freight, more miles, at a lower average charge than any other form of general transportation. Isn't it good common sense, then, to use railroads for the job they do so well?

For, the more freight the railroads carry, the less wear and tear there will be on your public highways—and the less you, as a taxpayer, will have to pay for building and maintaining these highways.

ASSOCIATION OF AMERICAN RAILROADS
WASHINGTON 6, D. C.

You'll enjoy THE RAILROAD HOUR every Monday evening on NBC.



The Year-Round Gift For Your Farm Home...

Frigidaire

Yes, the farm wife and mother will derive year-round pleasure, comfort and convenience from any gift with the nameplate "Frigidaire."

The Frigidaire refrigerator, electric range and food freezer (representative models shown below) are outstanding examples of the year-round quality of Frigidaire gifts. In addition there are the great Frigidaire

Automatic Washer, dryer and ironer as well as the electric water heater—and all of these combine to give the farm home the freedom and convenience of city dwelling with all of the goodness that characterizes life on the farm.

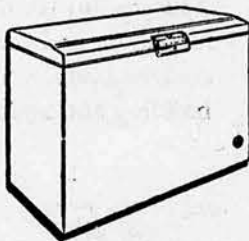
Make this a Frigidaire Christmas—you'll never regret it! Your Frigidaire dealer will help you plan your Christmas giving.



This 7.8 cu. ft. refrigerator is roomy and priced popularly at only \$199.75.



The 30-inch automatic electric range with the largest home oven ever built is ideal for the farm home and priced at only \$219.75.



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Many More Peach Varieties Adapted for Growth in Kansas

By WILLIAM G. AMSTEIN, Kansas State College

PEACH GROWING east of the Rocky Mountains, Farmers' Bulletin No. 2021, is interesting. It covers principal points in successful handling this fruit. Peach acreage in Kansas is not large. However, returns and interest in this crop have in recent years been greater than for apples. Some methods of growing and handling peaches in this state are especially developed to meet local needs.

In some peach growing areas of the country, even with local market outlets, a large part of the selling price has been taken up in picking, grading, packaging and marketing costs. Many Kansas growers have found their customers are willing to perform most of these jobs at a real saving to all parties concerned. There are some who doubt this can be done, but facts and local experience justify this system.

A limited amount of newspaper and radio advertising, together with an accumulated consumer desire to follow this harvesting system from year to year, have helped make the method work. A person picking fruit knows rather definitely what she is harvesting. She will be inclined to be satisfied with her selection and opportunity to harvest fruit.

Ripe Fruit 2 Months

There now are many more peach varieties adapted for growth in Kansas. Hardier varieties that give a period of more than 2 months of ripe peaches are now available. Finer quality and better freezing value are 2 features of many new varieties. Elberta is not planted as often today as was the case even 5 or 10 years ago.

Some of the most useful varieties now being planted in Kansas include: Redhaven—Early, ripening 4 to 5 weeks before Elberta. Fruits require early and heavy thinning to develop best size. Skin bright, attractive red, flesh yellow. Usually freestone when ripe. Excellent for canning and freezing. Flower buds moderately hardy. Variety becoming more and more popular because of fruit's firmness, attractiveness and earliness.

Golden Jubilee—Early, ripening 3 to 4 weeks before Elberta. Fruits medium-size with attractive red and yellow color. Flesh yellow, free, and medium soft. Not firm enough for distance shipping. Flower buds fairly hardy.

Valuable where hardiness is important and market is nearby.

Triogem—Early, ripening about 2 weeks before Elberta. Fruits medium size with attractive skin color. Free, yellow, fine-textured, usually free. Firm. Flower buds tender to low temperature. Fruit may be small and thinned well and early. Principal merits are firm flesh, high quality and tractiveness of fruit.

Halehaven—Midseason, ripening about 2 weeks before Elberta. Fruits large, round. Skin color sometimes dull. Flesh yellow, free, and fairly firm. Flower buds fairly hardy. Trees vigorous and productive. Halehaven lacks shipping qualities of Elberta and J. H. Hale. It has been one of the most outstanding varieties introduced in recent years for commercial planting. It is very useful for local market and home planting.

Belle (Belle of Georgia)—Midseason. Flesh white, of high quality, usually free. Skin sometimes lacking in color. Flower buds hardy. Usually preferred as white peach ripening before Elberta.

Sullivan Elberta—Midseason. Ripening 1 week before Elberta. Fruits large. Similar to Elberta in all respects except earlier ripening. One of most extensively planted varieties in last 10 years, especially in Southeast.

There are a great many new peach varieties that give promise. Some of the more promising ones are:

Baritan Rose—Early, ripening 2 weeks before Elberta. Skin an attractive red. Flesh white, free, fine-textured. Fairly hardy and productive. Has special merit for local sale where an early white variety is desired.

Jerseyland—Very early, ripening about 5 weeks before Elberta. Fruits medium-size, round. Skin solid red. Flesh yellow, usually free when ripe. Firm. Promising for local market and commercial production.

Prairie Dawn—Early, ripening 4 to 5 weeks before Elberta. Fruits medium-size. Skin bright red. Flesh yellow, usually free when ripe, fairly firm. Flower buds hardy to low winter temperatures.

Fairhaven—Early midseason, ripening after Golden Jubilee and about 2 weeks before Elberta. Flesh yellow, free. Good for freezing and canning. Limited tests indicate promise for local marketing and commercial production.

GRANDMA By Charles Kuhn



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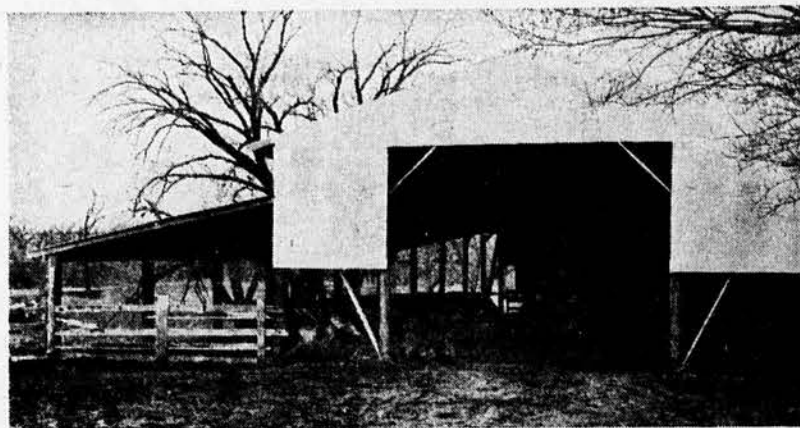


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Keeping Baled Hay Out in Weather Cost More Than Building Hay Barn



FOR LESS THAN cost of one season's hay loss, Elmo St. Pierre built a 30- by 70-foot shed to protect bales, machinery, and provide convenient, protected feeding area. Metal doors go on this end.



SILLO AND GRAIN bin at right make handy feeding for Elmo St. Pierre. Sixty cattle stand on concrete, eat from concrete trough. Sorting pens, loading chute at left make trucking easy in any kind of weather. Daughters are Mary Ann, 9, Joyce, 7.

IT WAS PERHAPS a costly lesson, but Elmo St. Pierre, Cloud county, found that one summer's hay losses, without a shed over the bales to keep them dry, was more than enough to pay for a roomy and serviceable hay storage and feeding shed. He had 2,000 bales of good prairie hay left from the winter of 1950-51 he didn't get fed. Even well stacked, the bales were practically a total loss in torrential rains that fell the following summer.

As a result, the St. Pierres erected a pole barn that easily holds 3,000 bales with additional storage for a combine, at less than value of lost hay.

Makes a Stronger Building

The shed is 30 by 70 feet, with a 15-foot lean-to on the south. The shed is of pole construction, 16 feet high at corners, poles set 4½ feet in the ground. Sheet metal was used to cover the framework. By placing 2 by 6 rafters 2 feet apart, sheet metal could be nailed directly to them rather than to sheathing. Mr. St. Pierre believes this makes a stronger building. A concrete floor was run under the lean-to where hay is fed to cattle. Concrete extends a few feet beyond shed roof and is easily cleaned with a manure scoop. The building also gives winter protection for this corner of the feed lot. Total cost of the building which will also include metal doors and enclosing east side shown in picture, probably will be \$1,500.

Continuing on from end of lean-to, running north and south, is a feed rack of concrete with a framework of wood beams. Cattle stand on an 8-foot wide slab of concrete, reach thru heavy

wooden framework to eat out of concrete feeder. Handy St. Pierre arrangement has upright silo at center of this run with grain bin adjacent. Last winter, Mr. St. Pierre had a triple-deck corncrib and grinder set to feed right into bin, so feeding operations were all centralized and all on concrete. Also at south end of feed rack are sorting pens with loading chute where stock can be loaded out of mud any time. New de-horning chute, built in farm shop, was added last year.

Gates Save Time

Something else Mr. St. Pierre is proud of are 7 new farm gates. "They cost \$100, but when you stop to figure they will be there for 10 or 20 years, and more important, how much time will be saved going thru them, they are certainly a worthwhile investment for my money." He feels the same way about the labor he has saved for having a metal roof on his silo. It saves a lot of time and makes feeding pleasanter in winter and if silage is left over, it keeps it dry and in feedable condition thru a wet summer like we had in 1951.

Webworms got into his alfalfa last year so his hay prospect was poor, but it made fine silage. He fed 35 head cottonseed cake, all the silage they would eat, and says he never had a bunch of cattle do better. They gained 3 pounds a day, (there's also a scale adjacent to feed lots) and went on grass really with more finish than he had intended. He also is trying out a self-feeder on native pasture feeding ground corn with some oats to start.

SOIL—LIFEBLOOD OF NATION'S AGRICULTURE

Did you know it's 251,000,000 inches to the center of the earth? The only a fraction of that astounding total is needed for agricultural pursuits, it's vital to the welfare of millions of people on the earth. Three chief agricultural uses of soil are for crops, pastures and forests.

COMING, NEXT ISSUE . . .

At this writing our weather really reminds us of the Christmas holiday, but snow or no snow, the day will soon be here and we have anticipated this by planning a story showing step-by-step some new ways of wrapping Christmas packages. Every idea is original, yet practical. Watch for the home department in the December 20 issue of Kansas Farmer.

Deferred-feeding Finds Wide Favor Among Miami County Cattlemen

MIAMICOUNTY'S deferred-feeding cattle program has everything on its side and farmers in the county who have tried it are ready to go again. Take Harold Scherman, for instance. Mr. Scherman who farms 320 acres near Paola, entered the county group feeding program year before last, and ordered 30 of the total shipment of 500 range calves. He bought good quality animals, 396 pounds off the car.

Object of the program is to get lightweight calves in fall and at just the time they are ready to market. They are wintered on a lot of hay and silage, saving scarce and expensive grain. Grassed thru the summer, they are then full-fed 90 days in dry lot and marketed when there is not much finished stock on the market. Animals are sold just a little after replacement stocks come in, so it gives almost a yearly turnover.

Is Going to Beef

Mr. Scherman had farmed 500 acres with his brother, Herbert Scherman who lives in the same neighborhood. Harold Scherman had been in grade-A dairy production but is planning to go entirely to beef. He liked the steady income from dairying, but the problem of getting and keeping labor was too great. He plans now on more pasture, and, as he gets further along in years, a beef cow herd.

Mr. Scherman also keeps 70 pigs. He has designed dual farrowing houses for his 10 sows. He has no poultry program, believing this is better left to farms with a full scale poultry setup. If he had more range, he would like to raise some sheep.

Vast changes have taken place in the Scherman farm since it was purchased. The farm home has been extensively remodeled and Mr. Scherman has built a large new corrugated metal machinery shed and a cattle shed. Thirty-five acres are terraced. There are 125 acres in corn, 80 in wheat, 30 in oats and the rest in hay and pasture land.

Mr. Scherman puts a lot of faith in a pasture mixture of timothy, brome, ladino and alfalfa. Before seeding, 250 pounds of his mixture of 18-22-0 fertilizer were applied. He also has 65 acres in red clover, alfalfa and brome. Lime also is being used to build up

the land, with all but 55 acres in hay. He has spread 2 carloads of rock phosphate over his acreage in his plan to add a carload of fertilizer a year.

The Scherman home is modern, water pumped from a cistern. Water for feed lot is pumped 1,200 feet from pond. The 350-gallon electric pump located half way between pond and tank and gets the job done. Mr. Scherman plans to move the pump to pond when his wiring program is completed.

The farm is well equipped with machinery. Scherman brothers together own a 3-plow tractor and each has smaller tractor for more general use.

Mr. Scherman's cattle-feeding

Is It True?

Does snow enrich the soil?

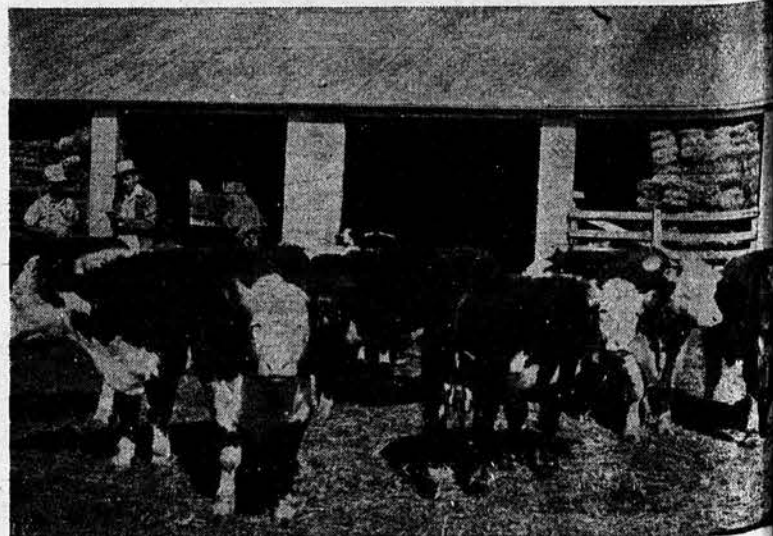
According to U. S. Department of Agriculture specialists, snow brings fertile elements from the air—especially nitrogen and sulfur. If snow falls on unfrozen ground and melts gradually it is more likely to be absorbed by soil than is rain. Some farmers believe plowing under a fall of snow has particularly desirable effect on fertility of soil.

program in past years has included wintering calves on silage and poor quality hay, 4 to 5 pounds of grain ¼ pound of concentrate until March. Then they are fed 3 pounds of corn on grass until July 15. The corn increased to 8 pounds until late August when it is increased to as much as cattle will eat.

The Farm Bureau last year brooded 500 head of cattle for the 12 to 15 months in the feeding program. Last fall shipment of calves was scheduled about mid-October. Mr. Scherman planned to up his operation to 500 for this season.

Save the Fingers

To keep a tack upright when driving it into wood and to save hitting fingers hold with a bobby pin.—Mrs. N. E.



HAROLD SCHERMAN is shown looking over his deferred-feeding project last fall in Miami county. New cattle feeding shed in background is one of many additions to Scherman farm. Mr. Scherman plans to add overhead type doors to the shed front for protection from bad weather.

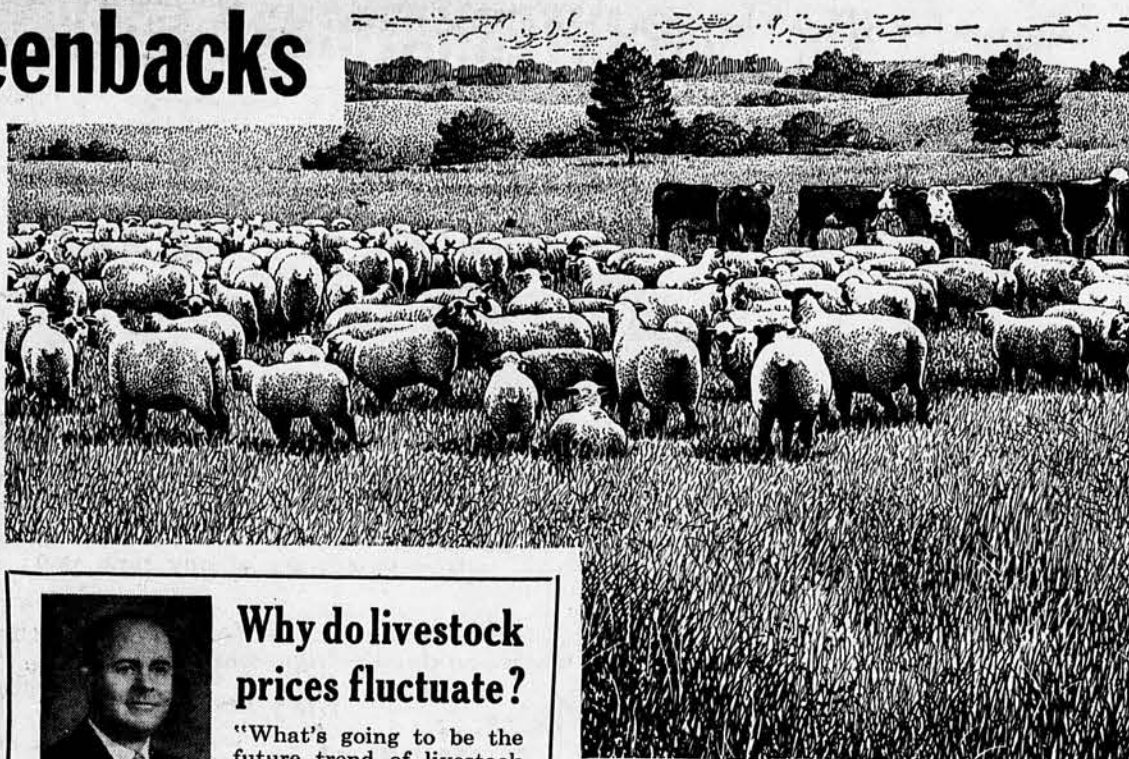
Grass into Greenbacks

Now is a good time to "take stock" of your grass. You can increase your grass yields, you can reduce your livestock feeding costs. That makes good sense. Grass is one of our most economical feeds, and in every section of the country people are trying out new ways of turning grass into greenbacks.

There's one such "new way" for you at the Dixon Springs experiment station in southern Illinois. There, in one test with six 10-acre pastures, they find it pays to graze cattle and sheep together. The cattle "wrap their tongues" around all grasses; the sheep clip the short varieties. Thus, each variety thrives, and the livestock utilize all forage. And, by proper rotation, avoid overgrazing. It has been a standard practice to graze cattle and sheep together for over 150 years in the range country of New Zealand because it has proved both desirable and profitable. At Dixon Springs, the best gain obtained to date is a whopping 682 pounds of beef and lamb per acre. Best mixture for that area so far has proved to be ladino, alfalfa, lespedeza, redtop, clover and alta-fescue. The original re-seeding was on almost "worn-out" land, built up, of course, by liming and applications of plant food before re-seeding.

Experiment station results have been confirmed by many practical farmers and ranchers. Reports tell of grass producing returns of \$150 per acre in meat and milk; of pastures bringing \$7 for every \$1 spent on plant food; of land (South Carolina) producing 100 pounds of digestible nutrients in grass for 58 cents—against \$77 for corn.

Perhaps on your farm or ranch there is grassland whose yield might be doubled, or even tripled. It might pay you to investigate that possibility. The best grass program for you may differ from your neighbor's. It probably is. You can find the right answer—perhaps from your county agent, your agricultural instructor, your state agricultural college or the Soil Conservation Service.



Why do livestock prices fluctuate?

"What's going to be the future trend of livestock prices?" Stockmen are showing a natural interest in that question. I wish I knew the long-term answer. But I don't, and I doubt if anyone else does, either. . . . But there's another, short-term question that's often asked, which I can answer: "Why do livestock prices fluctuate?"

There are two reasons: First, and most important, daily and weekly changes in the supply of livestock sold for slaughter. Second, changes in demand for meat and by-products.

Naturally, increased slaughter is the result of increased marketings—which brings an increased supply of meat, which usually means lower wholesale prices and lower prices for livestock. Why? Well, take cattle as an example. The number marketed varies from week to week; so, some weeks the total slaughter is large, other weeks relatively small. Therefore, the amount of beef sold varies from week to week.

When there is a big increase in beef supplies, packers must ship heavily to the big cities where there are a lot of people to consume food and increased meat supplies can best be sold. Practically all beef handled by meat packers is sold within 12-14 days after the cattle are slaughtered. Less than 2% is frozen. With big supplies to be sold, retailers bargain vigorously and often buy at reduced prices. Then they can advertise "Beef Specials"—and their customers may eat beef, or more beef, or beef more often. Thus, through lower meat prices, the increased beef supply is sold to consumers.

Or, if fewer animals are slaughtered, there is less meat to be sold. Then retailers pay higher prices to get meat. Meat packers, in competition for the smaller supply, bid more for livestock. So here we see again this economic law in action—the price producers receive for their livestock is governed by what the packer can get for the meat and by-products.

Tom Glaze
Agricultural Research Department

Soda Bill Sez...

Your farm is like your automobile. The only way it will run by itself is downhill.

Money would still be good company, even if it didn't talk.

OUR CITY COUSIN

City Cousin and Country Cousin, together again, sing, "Peace on earth, good will toward men!"



Profitable Hog Raising

by M. L. Mosher
University of Illinois, Urbana



variations in the efficiency of hog farmers is detailed in a study made by the University of Illinois Experiment Station. A group of 200 hog farmers kept detailed records of their operations over a period of ten years. These records have been analyzed to show what each farmer got back from each \$100 worth of feed fed. The lowest return was an average of only \$110 for the ten years, while the highest averaged \$221.

A comparison is made of two farmers. Both fed \$3,000 worth of feed a year. Both sold their hogs on the open market; neither sold breeding stock. One had an average return of \$5,100 a year, the other only \$3,500. This annual difference of \$1,600 is a ten-year difference of \$16,000 for the more efficient farmer.

Why were some of these farmers so much better at hog raising and feeding? A comparison of the top 10 with the low 60 showed a number of reasons why. Among the most important of these were the following: 1) more profit was made when hogs were marketed at medium weights; 2) when hogs were sold at medium weights; 3) when more protein concentrates and pasture were used; 4) when greater use of the two-litter system was practiced; and, of course, there was higher profit to farmers who kept hogs healthy so as to wean large litters and avoid death losses and slow gains after weaning.

All details of this study are available from the University of Illinois. Ask for Bulletin No. 548, which includes studies of cattle, sheep and chickens.

The Miracle of Meat Distribution

Whether you live in the country, or a city, you may take it for granted that you can buy fresh meat any time, anywhere. Millions of American shoppers seldom give a thought to "the miracle of distribution" which makes this possible. But the 76,000 men and women who work at Swift & Company concentrate on getting our job done efficiently and economically. Over the years, producers, meat packers and retailers—working together in the livestock-meat industry—have developed the lowest cost food distribution system in the nation. For example, Swift performs its part of the job for an average of a fraction of a cent per pound on all products handled. That's what we earn for buying livestock, for processing, distributing and marketing meat and other products—what we earn for developing and widening the market outlets for the meat animals and other farm products which you produce.

Martha Logan's Recipe for MINCEMEAT TEA CAKE

Yield: One 8 x 8-inch square or ring

1/3 cup shortening	1 egg, beaten
1 3/4 cups sifted all-purpose flour	1/4 cup milk
2 teaspoons baking powder	3/4 cup prepared mincemeat
3/4 cup sugar	1/2 cup chopped nuts

Sift together flour, baking powder and sugar. Cut in shortening with 2 knives or a pastry blender until mixture resembles coarse corn meal. Combine egg, milk, mincemeat and nuts. Add to dry ingredients. Mix just enough to combine all ingredients. Place in a 1-quart ring mold or 8 x 8 x 2-inch square pan (bottom rubbed with shortening). Bake in a moderate oven (375° F.) 25 to 30 minutes. Remove from pan while still warm. Glaze with a thin mixture of confectioners' powdered sugar and milk.

Quote of the Month

Let not him who is houseless pull down the house of another. But let him work diligently and build one for himself, thus by example assuring that his own shall be safe from violence when built.

A. Lincoln (1864)

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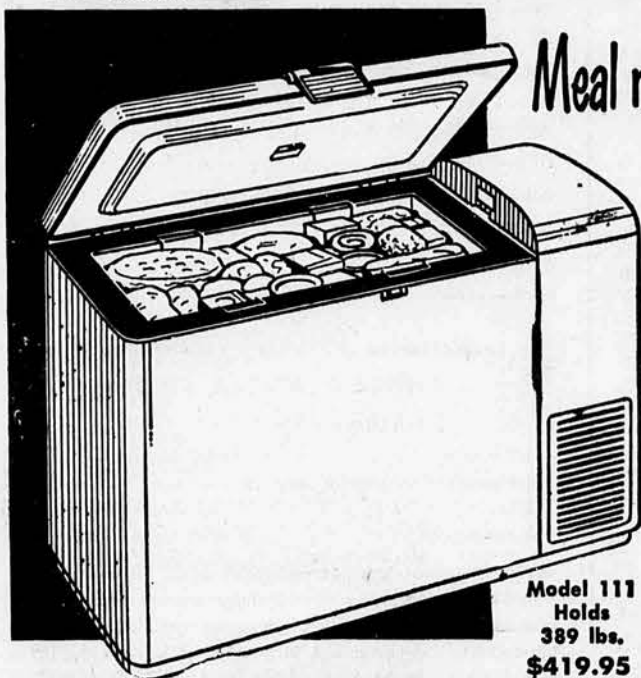
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FRANKFORT Esslinger Impl. Co.
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GARDEN CITY Star Equip. Co.
GARNETT Garnett Trk. & Tr. Co.
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HIAWATHA Trapp & Kill
HIGHLAND Hooper Imp. Co.
HILL CITY Pratt Implement Co.
HILLSBORO Farmers Equip. Co.

HOISINGTON Hoisington Auto & Implement Co.
LEOTI Leoti Western Hardware & Supply Co.
HOLTON Symons Trk. & Tr. Co.
HOLYROOD Standard Implement & Construction Co.
HOLYWOOD H. W. Deane
HUGOTON Smith Equipment Co.
HUTCHINSON Woodward's Impl. Co.
INDEPENDENCE John Troutman, Inc.
INMAN Inman Implement Co.
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JEWELL CITY Heinen Impl. Co.
JUNCTION CITY Mohr Implement Co.
KANSAS CITY Wyandotte Tractor & Impl. Co.
KINCAID Kincaid Tractor & Implement Co.
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LINCOLNVILLE Lewrenz Hardware & Implement Co.
LINDSBURG Lindsborg Equip. Co.
LOGAN Logan Equip. Co.
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LOUISBURG Louisburg Trk. & Tr. Co.
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NORWAY Wright Implement Co.
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OBERLIN W. J. Roshong
ONAGA Gurtler Hdwe. & Impl.
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OSBORNE Latham & Sons
OSKALOOSA Oskaloosa Hardware & Implement, Inc.
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OTTAWA Sheldon Trk. & Tr. Co.
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PRETTY PRAIRIE Hamilton's
QUINTER Kysar Implement Co.
RADIUM Radium Farm Supply
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REPUBLIC Sankey Implement Co.
REXFORD Stepper Hardware & Implement Co.
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WOODBINE M. C. Engel Hard & Implement Co.
YATES CENTER Swope Implement



Dwight Hull SAYS...

What Do Your Farm Records Tell You?

DECEMBER is here again. We can hardly realize it. Time to make a summary of our year's business and look squarely at the figures, whether red or black, and make plans for another year.

We believe time spent keeping a good farm account book is just as important and valuable as time spent doing anything else. That is if we make use of the figures after we have them, and if we have been fair with ourselves and kept all the figures accurately.

A true picture of our year's business can only be obtained by keeping an accurate farm account book. To keep a good farm account and never make a summary or analysis of all that has transpired is almost as bad as milking the cows and then failing to market the milk. In both cases we have lost the value of our product.

A system of farm accounts need not be complicated. We use the farm account book obtained from our county agent. We like to keep daily weights of each cow's milk because it makes milking cows more interesting, and presents a challenge to us to see whether by some means we can get each cow to do a little better tomorrow than she did today.

A Challenge to Us

So it is with farm accounts. They make the business of the farm more interesting and challenge us to strive for better results another year. Your farm account book points out weak spots as well as the strong ones, and just how weak or strong they are, while memory fails us a good many times.

An analysis of a farm account book should tell us what we have received for our labor and management during the year. This is the amount a farm family has after deducting fair interest on investment in working capital and investment in the farm from net income. What is a farmer's labor worth per day or month or year? This he should know. What about cost of operating our machinery per crop acre. Is it \$10 an acre or \$20? We have seen costs greater than we have indicated. It is important to know what our investment in machinery and cost of operating this machinery per crop acre are. As it gives us a chance to do something about it.

Another interesting figure our farm account book should point out is our livestock return per dollar of feed. This has been quite a vital question with many farmers this fall. With feed high and cattle prices somewhat lower than they have been the last few years the

question has been, "Would it be more profitable to sell the feed or feed it to livestock?"

If you know what returns you have received for \$1 worth of feed in the past it is much easier to arrive at an accurate conclusion on what to do in this situation. Also, if our farm account book shows our return for feed is low we have a problem we can put our finger on and figure ways to improve the situation. The problem could be one of livestock management, a breeding problem, or a feeding problem such as not using proper balance of protein. At any rate if we have the figures we know where our problem is, and an opportunity to make some changes where we know they are needed.

These Things Are Told

There are many other things our farm account book should tell us such as gain or loss in net worth, livestock losses, feed purchase expense, hog income per litter, egg receipts per hen, and dairy products receipts per cow.

It is true the picture we get from our account book is a picture of the past, what already has happened. It is our opinion real progress is more likely to be achieved when we carefully analyze and evaluate the things we have done in the past and then use the information as a guide for future operations.

Will Make Tests On Soil Blowing

Two wind erosion scientists and a graduate student from Kansas State College have left for Lubbock, Tex., with the K-State portable wind tunnel and other equipment to conduct tests on soil blowing.

They are H. W. Zingg, wind erosion project supervisor at K-State; Dr. William S. Chepil, professor of soils, and N. P. Woodruff, graduate student in agricultural engineering.

The Texas study is to be made on both cotton and wheat fields. It is sponsored by the Texas agricultural experiment station, Kansas State College, and the USDA soil conservation service.

In Texas, the soil scientists will blow wind thru the tunnel at different wind velocities, collect the dust at the other end of the tunnel, analyze it, and make recommendations to control soil blowing.

Rainfall in Kansas, up to the time they started, had been far below normal this year, so the soil is subject to more wind erosion than usual.

I WONDER HOW THAT STARTED . . .

"Apple pie order"

Hepzibah Merton, in Puritan times, was in the habit of baking several dozen apple pies on Saturdays. They were to last her family thru the next week. After placing pies in her pantry, she labeled one or more for each day of the week. Hence the saying, "in apple pie order."



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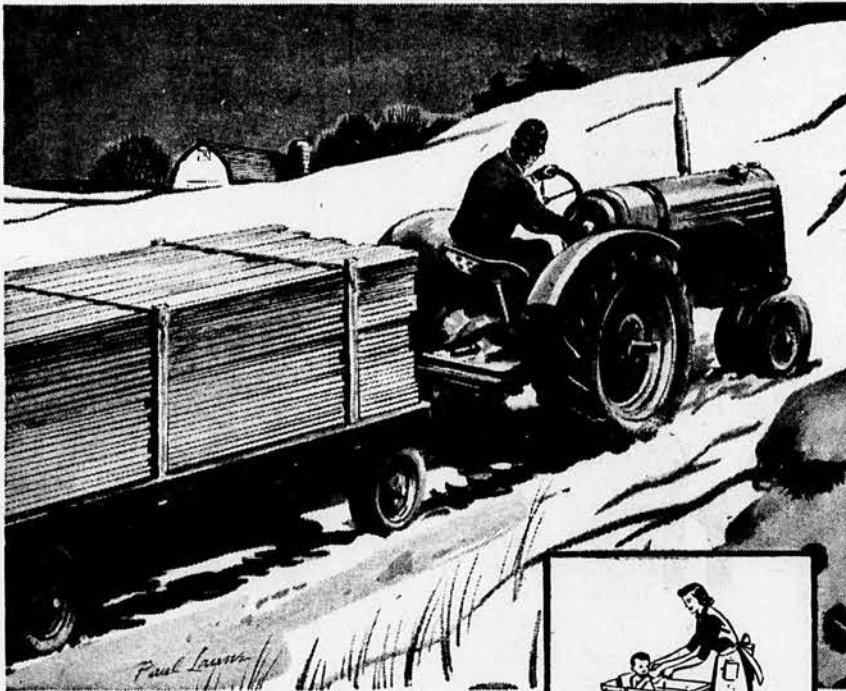
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No. 1 in series of articles
on how to grow house plants

Pots, Saucers and Soils for Plants

By FRANK PAYNE

Like we told you in the November 15, 1952, issue of Kansas Farmer, here is our friendly flower expert back again with another series of articles you will want to clip and save. Frank Payne makes his living growing flowers. He has to know how to grow them.—R. H. G.

THIS IS WRITTEN in hopes it will be helpful to all amateur flower growers, especially to busy farm women of America. It covers only the most important information about simple and easy-to-grow house plants.

You grow flowers in your home for several reasons. First is your love for most all flowers. Then by having pretty green and flowering plants during the long winter season, you keep before you the beauties of spring and summer. Then again there can be sentimental reasons; some good friend or relative gives you a start or slip from a favorite plant.

Make Home Cheerful

I love house plants because they make our home so cheerful. It is my duty to help Mrs. Payne carry all flowers to the kitchen sink when they are given a bath and a good watering. My, how barren the living room looks when all the flowers have been taken out. We miss them, find out flowers are really a part of our home, more like a companion or close friend.

Now if anyone tells you flowers are not healthful to have in your home, just discount that about 100 per cent because it is not based on actual facts. Of course, they will come up with that old-time question, "Why is it flowers are always removed at night from hospital rooms?"

Well, I investigated and can truthfully tell you it is not because they are injurious in any way to the good health of the patients. I telephoned 2 large hospitals and asked that question. They informed me flowers are only removed from the rooms at night so old blooms can be clipped and water changed on cut flowers without disturbing the patients. Only exceptions would be when certain highly scented flowers are allergic to the patient or due to effects of ether.

Red Clay Pots Best

Best containers for any flowers are the old-fashioned red clay pots. They hold moisture and allow the right amount of air into the pot. You can get them in all sizes at any greenhouse or at your local dime store. If extra-large plants need pots larger than you can buy, then wooden tubs made of cedar and painted green on the outside will answer very nicely. Never put a plant in a jardineer, as it has no drainage. If a pot must be placed in a jardineer, put something in the bottom to raise pot 3 or 4 inches so it will not be sitting in water that drains out.

A friend said to me, "Mr. Payne, when you write about house plants, please say something about kinds of pots to use in the home." She continued, "I have seen so many homes all cluttered up with tin cans, glass jars, cracked pots or old worn-out kitchen

utensils. It just makes me want to scream when I see beautiful blooming plants in such ugly containers. Also, be sure to say something about using red clay saucers all alike to make everything look neat and uniform. You simply cannot do it with old cracked pots and ordinary dining table saucers that should have been thrown away long ago."

So there you are, ladies! I said *Amen* to all my friend said. I promised her I would mention what she said. I have kept my word to her. I think it mighty good advice. Now if you must use second-hand or old used pots be sure to wash them clean, then dip in scalding water to kill any insects or fungus diseases.

Ordinary soil is not good enough for house plants. It should be made out of $\frac{1}{3}$ good garden soil, $\frac{1}{3}$ well-rotted manure that looks like earth, and $\frac{1}{3}$ sand so the soil will be loose and fine and friable. If your plants require an acid soil, use some fine ground peat moss in it. Cut down on the manure and the

Is It True?

Is it true the sap in a tree does not rise in spring?

Sap in a tree is not *up* in spring-time, but *out* (near the bark) and is *in* (toward the center) in fall. In spring, tho, there is increased activity of liquids circulating thru tissues of the tree.

peat will take care of the acid requirements. (Buy peat moss at all seed stores or dime stores at bulb counters.) Some house plants require a soil not too rich and with clay in it. Cactus is one that needs a clay-and-sand mixture for best results.

Must Have Drainage

There is something almost as important as proper soil—you must have plenty of drainage in the pot! This is provided by the hole in bottom center of all clay pots, but if not, a hole must be made. That is still not enough, because you should always place about $\frac{3}{4}$ -inch of coarse gravel in bottom of pot before adding soil. That will allow excess water to drain out easily and keep the hole from getting stopped up. If you water a plant too much or do not have proper drainage the soil becomes sour, leaves turn yellow or drop off and you have a mighty sick house plant on your hands.

There are some plants that will grow in water alone without any soil. Philodendron, paper white narcissus, Chinese sacred lilies and both water and bulb hyacinths. One should add a large piece of charcoal to help keep the water from souring.

There are times when plants require very little water or none at all. That applies to cactus, geraniums and amaryllis when they are having their rest periods in winter months.

Watch for another article by Mr. Payne in the December 20, 1952, issue of Kansas Farmer.

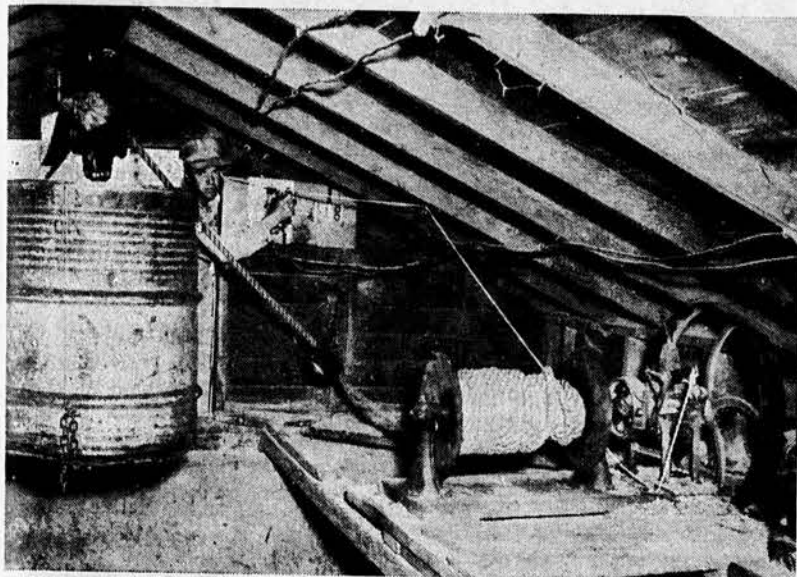
HOW'S YOUR FARM I. Q.?

Here are 5 interesting agricultural questions which contain clues to answers on past and current farm progress.

1. Texas boasts the world's largest ranch—what is its name?
2. Where did Guernsey cattle originate?
3. What early American president (Virginia gentleman farmer) led in practice of crop rotation, other recommended agricultural practices?
4. How many 4-H Club members are there in the United States?
5. What state harvested the most soybeans in 1951?

(Answers will be found on page 21.)

Getting Silage Out of Pit Silo No Job in Northwest Kansas



BUFORD HEVNER, hand on controls, demonstrates his electric pit silo unloader. Mechanism is mounted on platform over silo. Clothesline rope running from mechanism over to door is attached to brake.

HOW TO GET silage out of a pit silo has been solved in various ways by Northwest Kansas farmers.

After 17 years of service, Buford Hevner, Goodland, is still sold on his winch and barrel idea. A 2½-horse motor operates the mechanism, forward or reverse. Drive wheel is off a Rumley combine. Transmission used is out of a Willys car. Disc blades form reel on which rope winds up as barrel filled with silage is raised. As barrel reaches top, it locks in position and can be rolled along overhead rail to feed either inside the milking parlor, rail passing along above feed mangers, or it can be rolled outside where it passes over feed bunks. Barrel is emptied simply by unhooking chain holding latched bottom in place. Feed then drops out.

Hevners started with a 14- by 40-foot silo, later went down to 50 feet. They milk 12 head of dairy stock, use cane silage. Also raise spring lambs. Only change they would make if they were rebuilding the silage unloader would be to raise the roof a little higher over the silo.

Frank Sawyer, Atwood, uses a 3-horse motor to lower a rubber-tired cart into his 12- by 38-foot pit silo. When loaded, cart is hauled to top on a crane which then is swung out to let cart down on ground. Detached, cart is easily pushed around cement walkways to feed into bunks. About 2 loads will take care of feeding. Silo has been in use 12 years.

Ralph Brown, Brewster, uses a gaso- tractor motor hooked direct to blower to get silage out of his pit silos. The motor and blower are lowered by pulley to silage level and silage is blown out. The system is fairly satisfactory except for weight of equipment to be moved. Mr. Brown plans to change to a smaller blower and operate it electrically. He uses a false endgate in his silage wagon to pull silage off into pits.

Is It True?

Is it true there are plants that help kill insects?

Many plants are known that can be used in insecticides, comments the 1951 Yearbook of the U. S. Department of Agriculture, and "within the plant kingdom are many species, known or not, whose insecticidal properties are worth a careful search by chemists and entomologists."

Today, these are by far best known and most commonly used insecticides of plant origin—nicotine, pyrethrum, derris and cube. Many plant insecticides await discovery.

It is believed an insecticide powder made of powdered dried pyrethrum flowers was used for a long time in Persia. The secret came to Europe in early 19th century. Pyrethrum powder was introduced into the U. S. about 1860. Uses include control of household insects, flies, mosquitoes.

Plants Control Parasites

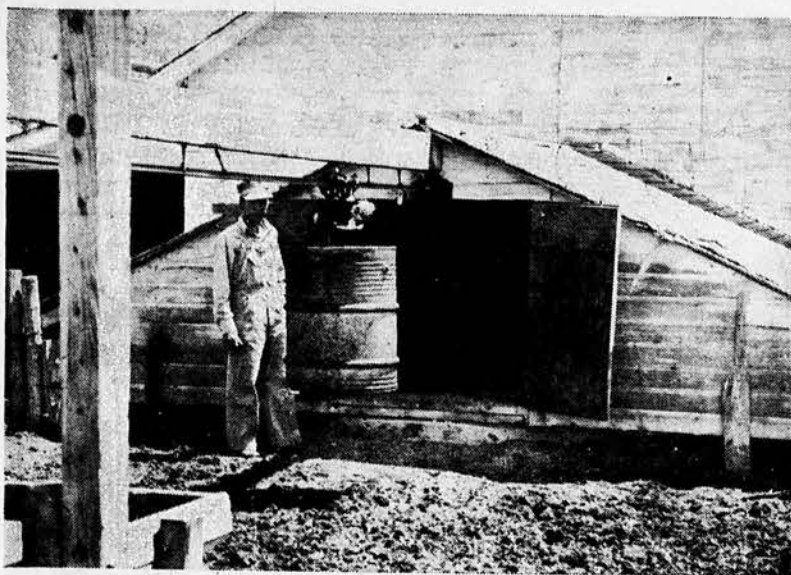
Since early times, natives in many tropical countries found plants that could be used to control insect parasites on humans and animals. Today, advanced information about rotenone is used extensively for these purposes. Roots of many plants are used in materials to kill insects. Seeds of several species of lilies will kill insects. Puerto Rico agricultural scientists have found that ground seeds of a West Indian tree, mamey, are toxic to houseflies, mosquitoes, cockroaches, ants and a number of chewing insects. In 1948 an insecticide was developed from the bark of an American plant, a southern prickly-ash tree. Oils from some plants are used to make materials to kill insects. Waste materials from such plant products as nutshells and bark, when finely ground, may be useful as diluents for insecticide dusts.

Many unusual "insecticidal" plants could be grown in the United States, and offer possibilities as new crops for future cultivation.

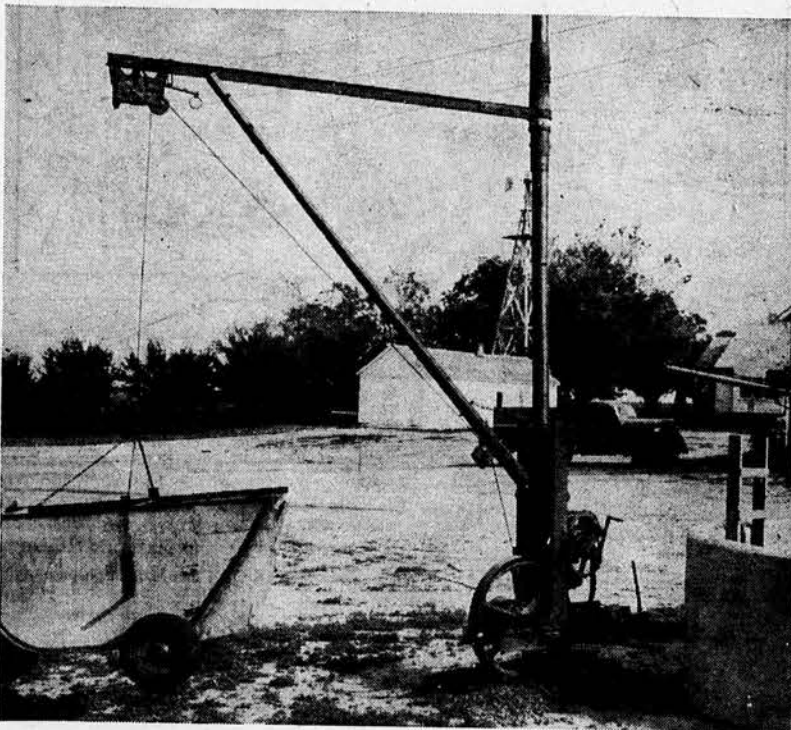
INTEREST IN ANHYDROUS FERTILIZER



GETTING GOOD LOOK at anhydrous ammonia fertilizer being applied in field are farmers from several northeastern counties at November 20 opening of Wamego plant of Nitro Fertilizers, Inc., of Salina, distributors of anhydrous ammonia fertilizer. Out-of-state guest speaker was William Gotcher, Clarksdale, Miss., of Gotcher Engineering and Manufacturing Co., makers of applicator machinery for this new-type fertilizer which has shown good promise in more and better crop yields. About 200 persons attended the event. Nitro also has plants at Beloit, Salina and Concordia, plan other distribution plants.



FILLED BARREL can be rolled outside to fill Hevner feed bunks at left. Shed housing hoisting mechanism is built over top of pit silo.



FRANK SAWER uses this setup. Crane swings rubber-tired cart around to lower into pit silo at right. Three-horse electric motor is mounted at base of upright when equipment is in use. Feed bunks out of view at right and left.

Kansas Farmer Does Well on Washington Farm He Won in VFW Contest

A FORMER KANSAS farmer who won a \$50,000 Veterans of Foreign Wars contest last May is making good. Top prize was an 80-acre, ready-to-use farm in the Columbia Basin in Washington. "Donald D. Dunn has done dog-

gone good," writes Peter Edson, Washington D. C., correspondent in his nationally-syndicated column, "Edson in Washington," in the Topeka Daily Capital.

"He has completed harvest and sale of his first year's crops for an amazing gross of \$20,000," writes Mr. Edson. The farm is completely electrified—home, barn, machinery. The "Farm in a Day" event last May 23, completely equipped and laid out the farm, was worth from \$50,000 to \$75,000. Some estimates put it as high as \$85,000. The Duns lost everything on their farm in Marion county in the 1951 floods.

His 1952 plantings included pinto beans, late potatoes, alfalfa, oats, and pasture was rented out. Mr. Dunn plans to get into the dairy business gradually, is happy with results of his irrigation crops this year. He figures he can keep 15 cows on 9 acres of permanent pasture, which is lush from irrigated water and fertilizers. He's working now on plans for a new barn, and a dairy supply firm has offered to equip a modern cow barn for him, free. "All but \$3,000 to \$5,000 of Dunn's first-year \$20,000 gross sales are profits, but that's because his seed and planting expenses were free," says Mr. Edson. "Next year he may not make anything like \$15,000 clear." But with continued good crops on well-managed acres and expanded, balanced farming, the Kansan will do well.

Don't Take a Chance!

HAVE YOU EVER raced up stair-steps that were cluttered with various items? It's dangerous. Don't take a chance!

★ AVERAGE U.S. FLOCK TAKES 6 TO 6½ LBS. OF FEED FOR EACH DOZEN EGGS PRODUCED! AT THE DANNEN RESEARCH FARM IT HAS BEEN PROVED THAT IT TAKES 1 TO 1½ LBS. LESS FEED PER DOZ. EGGS WITH DANNEN EGG FEED. ON AN AVERAGE FLOCK OF 300 BIRDS YOU CAN SAVE OVER 2 TONS!

YOU CAN *SAVE OVER TWO TONS OF FEED ON YOUR FLOCK!

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FARMERS' TAX SAVER

By Jack Miller, member of Iowa, Nebraska and District of Columbia bars

Here, for the first time, is an easy-to-read tax book written just for farmers! Will help you save taxes on your 1952 return and keep out of tax trouble. Author is a former Attorney for Bureau of Internal Revenue and country's leading authority on farmers' tax problems. He has written for such well-known farm journals as *The Nation's Agriculture*, *Successful Farming*, *National Grange Monthly*, *Iowa Bureau Farmer*, and *National Livestock Producer*. Covers latest changes and many problems, including:

Capital gains on livestock sales
Losses from flood, drought, disease
How to buy and sell a farm taxwise
Typical mistakes on farm returns

How to deal with Revenue Agents
Federal tax penalties
Farm Family Partnerships
How to pick a bookkeeping system

(Mailed early January 1953)

NO FARM HOME IS COMPLETE WITHOUT A TAX SAVER!

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Thoughts TO LIVE BY

"Belated Thanksgiving"

THANKSGIVING MESSAGES ought to come sometime other than on Thanksgiving Day. He who gives thanks but once a year has not yet learned the lesson of thanksgiving. So I make bold to speak about gratitude altho turkey day is past.

In writing to the Thessalonians, Paul said, "In everything give thanks." The Christians in Thessalonica were wrestling with several serious problems. They were concerned to the point of tension; they were anxious to the point of worry. Part of his prescription for these people was our text: "In everything give thanks."

Little words like little people can be very important. Change his preposition to "for," as we are prone to do in practice, and the admonition becomes irrational and impossible. To be sure, we can thank God for the red of the oak leaf in Autumn, for soft music that soothes weary nerves, and for food that satisfies our hunger. We can thank God for the open road, opportunities for vocational advancement, and for rest we can find when we return to our homes exhausted. There are many more things for which we are grateful, but that does not mean we give thanks for everything. Far be it from that. When a drunken driver who has no insurance demolishes a person's car, does anyone give thanks for that? When disease strikes a loved one and leaves him crippled, does anyone

give thanks for that? When drought causes one's house to settle and his walls to crack, does anyone give thanks for that? When war takes a loved one, when age saps our strength, when taxes become a burden, who would give thanks for these things? No one thanks God for everything.

But we can give thanks in every thing. In sickness, for instance, we can find much for which to be grateful—the healing forces in nature, time to think, and the loyalty of friends. Even in tragedy, we can be grateful for the consolation of God for the assurance that not even death can separate us from him, and for the hope tomorrow will be better than today. In loss, too, we can give thanks, because our real treasure are beyond the reach of moth, or rust, and of thieves. Ultimately, life does not consist of the things we possess.

It goes without saying we can be grateful in prosperity, in health, and in joy. The startling observation is that we can be thankful in adversity and in misery. It is God's will for us that we be grateful in joy and in sorrow, in sickness and in health, in poverty and in wealth, as long as we shall live. If one but compares the joy of the grateful person with the disposition of one who is not, he will find good reasons for taking heart. Even in his desire for us to be thankful, God has our well-being in mind. And in this, too, we give thanks.

—Larry Schwartz

Gary Neilan Wins 1952 State Contest for 4-H Reporters

TOP 4-H CLUB reporter in Kansas for 1952 club year is Gary Neilan, Plum Creek 4-H Club in Cheyenne county. *Kansas Farmer*, sponsor for the State 4-H Reporters Contest, awards him a \$50 college scholarship for his outstanding achievements. His club wins \$15 cash and a framed certificate. Gary has been a "blue ribbon" winner for 1951 and 1947.

Second-place winner is J. David Brownlee, Prairie View club, Kearney county. He wins a leather zipper notebook with name engraved, and his club, \$10 in cash. Ten 4-H Clubs placed in the "Blue Ribbon Group." The other 8, and their reporters, include: Joan Trimmell, Star Shooting club, Anderson county; Dwight Bennett, Bon Ame club, Rice county; Arlos Rusk, Rome Rockets club, Sumner county; Dorothy M. Smith, Rainbow club, Logan county; Marilyn LeRoy, Walnut Valley club, Barton county; Kathryn Johnson, Prospectors club, Russell county; Lou Ann Woods, Mulvane club, Sedgwick county, and Dean Riggs, Prairie Schooners club, Ford county. Each reporter receives a pen and pencil set with their name engraved, and club receives \$5 cash.

Three Judges on Committee

Winning reporters were selected by a committee of 3 judges meeting at the State 4-H Office, Manhattan, October 27. They were: Marjorie Tennant, assistant Extension information specialist at Kansas State College; Glenn Busset, assistant State 4-H Club leader, Manhattan, and Gordon West, associate editor, *Kansas Farmer*, Topeka. All 3 commented highly on quality of reporters' notebooks, especially the frequency of short newspaper articles on activities of individual club members.



GARY NEILAN

There also was excellent publicity many newspapers over Kansas, state magazines, radio stations, and the National 4-H Club News, Chicago.

Since *Kansas Farmer* announced the contest January 19, 1952, issue, about 100 club reporters wrote for information and one of our "Suggestion Sheet" of stories to prepare. You read the names of these 4-H newswriters in our 1952 issues. Several reporters had stories in our 4-H news column.

Watch for an early issue of *Kansas Farmer* for details of 1953 contest which *Kansas Farmer* again will sponsor. If you are a reporter and want "Suggestion Sheet" please write us.

HERE'S POSITIVE PROOF

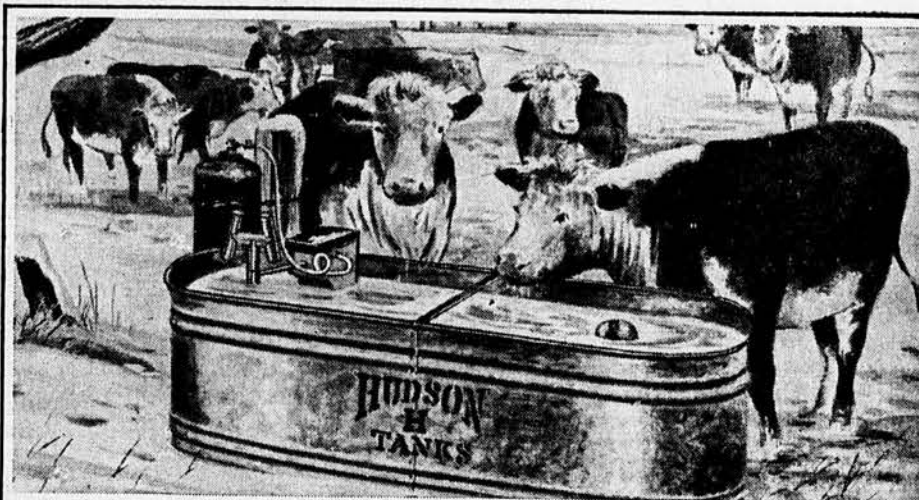
*that Plenty of Water at Right Temperature
is Essential for Top Meat and Milk Production*

The chart below gives the results of a ten week controlled-feeding test† on three identical lots of pigs. The first lot drank water warmed to 45°. It averaged a gain of 119.2 lbs. The second lot got water only when un-frozen and at prevailing temperatures. This lot gained 108.7 lbs., 11 lbs. less than the first lot. The third lot got water warmed to 55° and made a total gain of 117.7 lbs., slightly less than the first lot.

These tests show that for maximum gains, animals must have all the water they need to convert feed into maximum pounds of meat, and water at 45° would seem the right temperature.

Average Gains per Pig by Lots

AVERAGE WATER TEMPERATURE	POUNDS Dec. 12 to Jan. 23	POUNDS Jan. 24 to Feb. 27	TOTAL POUNDS
45 Degrees F.	58.0	61.2	119.2
Hand-watered (Actual Temperature)	49.1	59.6	108.7
55 Degrees F.	60.2	57.5	117.7

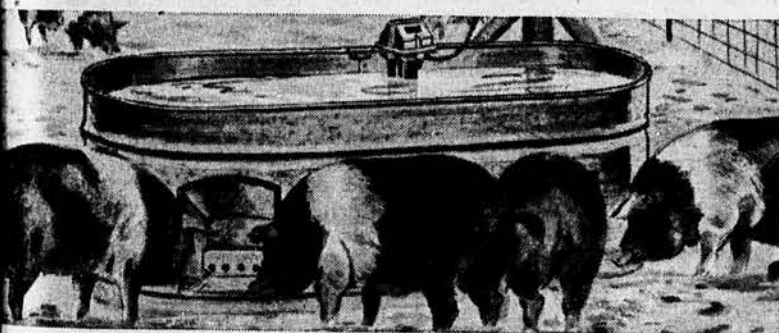


Saves Money On Feed, Too!

Other tests† show that when livestock drinks ice cold water or does not get sufficient water, it takes more feed just to keep the animal warm. Water always available at the right temperature, about 45°, will produce more meat or milk on less feed. So it's cheaper to spend pennies for a tank heater and its fuel than to spend dollars for feed.

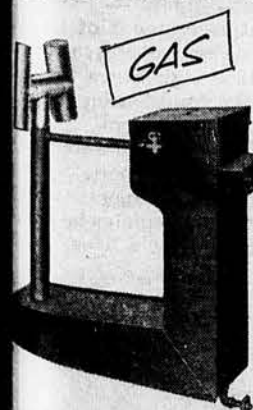
Warmed Water Means More Milk!

With water at the right temperature, a cow will drink about 18 gallons a day—but not more than 9 gallons when water is near freezing. Offer plenty of water at the right temperature and your cows should give more milk. Even a few days of low milk production will cost more than the price of the best tank heater and its fuel.



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Economical, Carefree HUDSON YUKON* No. 8

The gas-burning tank heater that is easy to install—no holes to punch in tank. Sensitive thermostat control and efficient burner give you more heat with less fuel... keep water warm and ice-free for greatest consumption. All-welded, heavy-gauge steel.

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Money-Saving, Automatic HUDSON LEKTRIK-HEET*

Automatic—no waste of fuel on mild days—uses electricity only as needed. Attaches securely to any tank—steel, wood, concrete. Compact, takes almost no space in tank. Efficient, will heat even large tanks in severe weather. Rugged. Easy to install.



ELECTRIC

Automatic,
Non-tipping

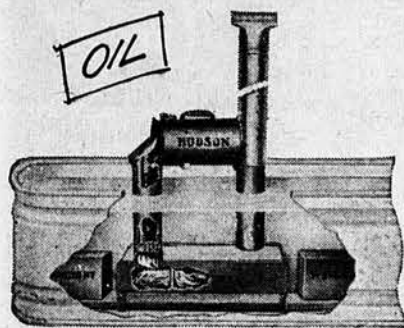
HUDSON LEKTRIK-HEET*

Floating Type

Economical automatic operation uses electricity only when needed. Ideal for stock tanks, hog waterers, milk house tanks. Heating element always under water—no electricity wasted in heating air. Low center of gravity—won't tip over.



A MODEL FOR EVERY TANK... EVERY TYPE OF FUEL
Pennies spent for tank heater fuel will mean
Dollars for you in greater meat gains, more milk

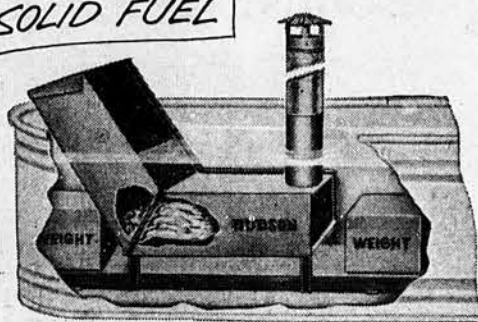


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HUDSON ALASKAN*

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SOLID FUEL



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Efficient

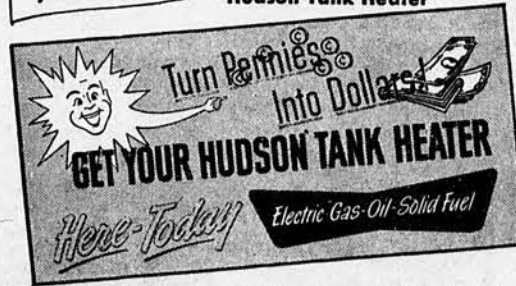
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Burns anything from corn cobs to coal. Made entirely of boiler steel. Large fuel door, adjustable draft damper. Channel steel legs for easy submerging and maximum heat circulation.

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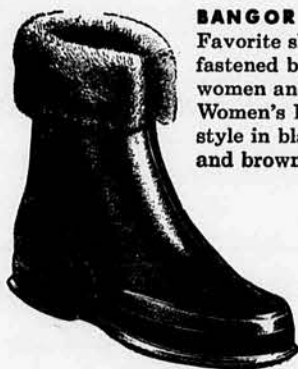
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HORIZONTAL
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Humboldt Model H (above) with rear caster wheel which keeps cutter always level with the ground. Blade cannot "dig in." 2 Wheel Model also available.

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Kansas Farm Bureau Holds Record Convention at 34th Annual Session



OFFICERS OF KANSAS FARM BUREAU for 1953 include Herman Praeger, Claflin, re-elected president; W. I. Boone, Eureka, re-elected vice-president; Joe Smerchek, Manhattan, re-elected secretary-treasurer, and Thomas R. Benton, Olathe, elected a new director—of 2nd district. (Topeka Daily Capital photograph.)

KANSAS FARM BUREAU held a record-size convention at their 34th annual meeting in Topeka, November 11 to 14. An estimated 1,400 persons attended the event.

Activities included reports from officers, business sessions, resolutions committee report, annual meeting for allied insurance company, and entertainment. Kansas Farm Bureau represents farmers in all 105 counties in the state, with estimated total of 65,000 families!

Ten counties were given recognition for membership activities—Shawnee, Allen, Decatur, Comanche, Meade, Harvey, Pottawatomie, Chautauqua, Ellis, and Geary. Each receives \$50 toward expenses of a delegate to the national Farm Bureau convention in Seattle this month.

Albert H. Leuders, of Germany, now in America representing the relief program of the Protestant churches of Europe, told delegates how relief materials given thru CROP are processed and distributed.

Winners of annual Skilled Drivers Contest included Glenna Pauline Laudick, 17, Hoisington, and Dee Cox, Lawrence. Each won \$100 scholarships, to be used at the college of their choice. Forty-six counties took part in the contest.

Herman Praeger, Claflin, was returned to his 8th term as president of Kansas Farm Bureau. Other officers re-elected: W. I. Boone, Eureka, vice-president; Mrs. Victor Haflich, Garden City, chairman of associated women's group; Mrs. G. W. Bennington, El Dorado, vice-chairman of associated women's group.

Of major interest are resolutions, which reflect policies of the Farm

Bureau on current problems. Here are highlights from the resolutions report.

Flood Control—endorsed again a program for water management based on retaining water where it falls.

REA—endorsed extension of rural electrification and rural telephone systems.

Grain Storage—will ask 1953 state legislature to enact necessary laws to protect farmers with grain stored in public warehouses, without imposing unnecessary burdens on warehouses.

Education—reaffirmed stand for state financial support of high schools to be provided without an increase in general property taxes, but added support would be given a severance tax on petroleum products if necessary to provide funds.

Truck Taxes—delegates voted against a resolution that ton-mile tax and ports of entry as now operate constitute a trade barrier, and should be repealed and eliminated by 1954 legislature.

Wheat Levy—supported a levy to finance research of wheat for better marketing and production of the crop.

Hays Nursery—urged the state legislature to re-establish the seedling service of the Fort Hays agricultural experiment station nursery.

Property Assessment—recognized fair and equal assessment of tangible property is a major problem in Kansas. Called upon 1953 legislature to set up an official study commission for complete survey of the problem.

Motorcar Taxes—urged adoption of legislature of proposal made by State Legislative Council that personal property taxes on motor vehicles be paid at time of application for a license plate.



THESE KANSAS FARM BUREAU members were honored at annual convention in Topeka, November 13, as Leaders of the Year: (Back row, left to right) Fay H. Partington, Alden; Ivan K. Strickler, Iola; Wesley R. Sylvester, Milford, and Raymond W. Hoyt, Atlanta. (Front row, left to right) Charles Esslinger, Madison; Ora V. Martin, Ulysses; Wesley Gaumer, Oberlin; Walter Hand, Mulvane; Fred Doyle, Topeka. Herman Praeger, right, Farm Bureau president, congratulated the group. Not pictured is Art Francis, Phillipsburg. All won free trips to Washington, D. C. (Topeka Daily Capital photograph.)

The Little Steel Schoolhouse

(Continued from Page 1)

district. Mr. Trackwell has 2 large busses and a station wagon but it takes 4 trips each way to handle all the students.

Alfred Doerr, Sr., Frank Waters and Ray Hall were members of the board when the new school was built, according to Mrs. Klinkenberg. They saw to it that the school is modern in every respect, with a central heating system fueled by oil, fans, a water system with rest rooms and drinking fountain, and a special room for lunches. Mr. Doerr is still chairman of the board.

Albert Lohman, a present member of the board, says: "We still want to make further improvements in the school. Our plans are to add awnings and make some other minor improvements. We also want to install all new desks as soon as possible."

Announce Speakers for Feed Conference

Out-of-state speakers for the 8th annual Kansas Feed Conference, January 13 and 14 at Kansas State College, are announced by Prof. F. W. Atkeson, chairman of program committee.

They are: J. R. Couch, Texas A. & M. College; E. Wise Burroughs, Iowa State College; G. P. Whitlock, Merck and Co., Rahway, N. J., and R. M. Bethke, Ralston-Purina Co., St. Louis. Recent information on important nutritional subjects such as antibiotics, rumen digestion, amino acids and vitamins will be discussed.

Final afternoon of event will feature discussion of winter feeding problems and their satisfactory solutions. Kansas State College staff members will handle these topics.

The meeting is open to anyone interested in the feed industry from manufacturer to feeder. Sponsors are Kansas State College, Kansas State Board of Agriculture, Midwest Feed Manufacturer's Association and Kansas Grain, Feed and Seed Dealers' Association.

KSC Enrolls Five Japanese Youth

Five Japanese students have enrolled at Kansas State College to study agriculture. All have worked in agricultural experiment stations in Japan, are special students at Manhattan this year.

New Agent

Rex Henry has been named Clay county agent succeeding Brace Rowley, now in Saline. Mr. Henry comes to Kansas from a county agent assignment in Wright county, Missouri. He is a native of Missouri, having received training at Missouri University.

KANSAS FARMER

Continuing Mail & Breese

ARTHUR CAPPER...Publisher (1893-1951)

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Topeka, Kansas

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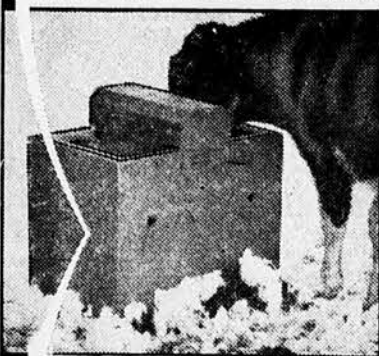
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Clean your grain seed yourself to avoid the risk of having it mixed with others.



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Bull Dog fanning mill makes four separations in one operation. Fine seeds and dust removed by small scalping sieve before grain is delivered to the gang. Forced feed roll keeps sieves evenly fed.

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Name Winners in 1952 Kansas State Safety Contest for 4-H Members

ANNOUNCEMENT is made of 1952 winners of the Kansas state safety contest. Winning club is Driftwood Sunflowers Club in Rawlins county. Marjorie Smerchek, Six Mile 4-H Club, in Shawnee county, is top individual winner.

Kansas Farmer awards a \$55 gold watch to Miss Smerchek for her outstanding achievements in better farm safety activities. Sponsor of the contest is the Farm Safety Committee of the Kansas State Safety Council.

Miss Smerchek, 16-year-old junior student at Washburn Rural High School has been a 4-H member 7 years. She has given 14 demonstrations on clubwork, one of them this year being on safety. Some of the things she has done to prevent accidents and promote safety on the farm are:

Had tractor brakes adjusted by competent mechanics, tore a porch down and helped build a new room there, painted stairways in barn, labeled and stored all medicine in medicine cabinet, had a rack made for firearms which were stored loosely in the house before, asked her father to build a new chimney because the old one was bad, hired a man to put lightning rods on the house, applied non-slip provision to loose rugs in home, put matches in container and hung it on wall out of reach of children, bought a new ax and retired old one which had a loose and splintered handle, made a rack to keep ladder outside barn in case of fire, gave demonstration on A-bomb defense at 3 meetings and 2 fairs, cut down bushes that were obstructing view of traffic, put salt and sand on walks during winter, bought and put up folding staircase to attic, picked up pieces of glass scattered over farm and put in a metal barrel, filled open holes on farm with dirt and rocks, put up "no smoking" signs in buildings. She was 1951 fire-prevention winner and continued her efforts for better farm safety.

Three Times Their Goal

Members of Driftwood Sunflower 4-H Club made a list of 11 objectives in safety work. They reached a final total of 32, some of which were: set up club file on safety materials for talks, demonstrations, checked medicine cabinets, made first-aid kits, farm survey committee checked farms for safety improvements, had a first-place float on safety, made arrangements to patrol city intersections at schools, held contest during National Safety Week, made county safety signs and installed them, made trips into neighboring communities in county to give talks and demonstrations on safety, gave demonstration on safety at county 4-H fair.

Perhaps most outstanding feature



MARJORIE SMERCHKE

of club's work was safety committees within club—to make safety booth (which rated blue ribbon at State Fair), conduct farm survey, programs on safety and talks. Every member of club gave a talk on demonstration on safety during the year.

State award to the club is a tape recorder.

World Farm Organization Meets

The 6th conference of the International Federation of Agricultural Producers will meet in Rome, Italy, in the Spring of 1953, at the United Nations new FAO headquarters. Leaders of more than 20,000,000 farmers thruout the world will attend as the federation represents 38 farm organizations in 28 countries. The IFAP was formed May 20, 1947, at Scheveningen, the Netherlands. The organization sponsors exchanges of agriculturists, farm progress ideas, peace thru agricultural promotion.

Washington County Has Good 4-H Year

Washington county had a high 4-H membership for 1952 of 279 members, reports county home agent Mabel Coverdill. Profit made on club projects during the year was \$12,916.24, with highest profit on the corn project—\$2,793.08. Beef made \$1,834.38.

For amount of money invested, garden projects showed a big income. Cost of project to 23 members enrolled was only \$101.33, and profit was \$669.71.



DRIVE SAFELY—LIVE LONGER is slogan of Driftwood Sunflowers 4-H Club that welcomes people to Rawlins county. Frank Sawyer, left, community club leader, advises committee who erected 4 signs entering the county on Highway 36 and 25. Left to right: Jerome Micek, Kenneth Micek, Kermit Sawyer, Virgil Micek, Burnard Horinek and Leo Micek. Members designed, constructed and painted signs.

NOW YOU CAN HAVE



ON ANY FARMALL H, M, MD, SUPER M

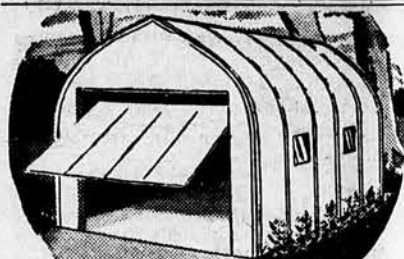
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No Cooking. Makes Big Saving.

To get quick and satisfying relief from coughs due to colds, mix this recipe in your kitchen.

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

Then get 2 1/2 ounces of Pinex from any druggist. This is a special compound of proven ingredients, in concentrated form, well-known for its quick action on throat and bronchial irritations.

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

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

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

Coming Events

- December 9—Shawnee county farm shop welding school, Topeka.
- December 9—Wabaunsee county dairy and crops school, Alma.
- December 9—Kingman county agricultural extension council meeting, Kingman.
- December 11—Johnson county 4-H leaders recognition dinner by Sears Foundation at Kansas City.
- December 11—Woodson county soil conservation district annual meeting, Yates Center.
- December 11—Wabaunsee county farm welding school, Alma.
- December 11—Barton county extension council annual meeting, Great Bend, 7:30 P. M.
- December 11-12—Shawnee county income tax consultant school, Municipal Auditorium basement, Topeka.
- December 12—Shawnee county dairy and crops school, Topeka.
- December 12—Barton county rural life officers training school district meeting, Great Bend.
- December 12—Nemaha county 4-H Club meeting, with Roger Regnier, KSC specialist, Seneca.
- December 13—Ellsworth county 4-H officers and leaders training meeting.
- December 15—Elk county winter garden and horticultural school.
- December 19—Johnson county outlook meeting with Ray Hoss, Wendell Moyer and Norman Whitehair of KSC, Olathe community building.
- December 29—Wabaunsee county landscape and forestry meeting.
- December 29—Pottawatomie county crops and livestock school, at Westmoreland.
- December 30—Wabaunsee county beef and crops school.
- December 31 — Pottawatomie county landscaping and forestry meeting, at Wamego.
- January 5-7—56th annual convention American National Cattlemen's Association, Auditorium, Kansas City, Mo.
- January 5—Barton county welding school, at Holsington.
- January 5-6—Kingman county farm institute.
- January 6—Johnson county district 103 electrical appliances meeting with Harold Stover of KSC.
- January 6—Wilson county artificial breeding association annual meeting.
- January 7—Ellsworth county artificial breeding association annual meeting.
- January 8—Johnson county crops, soil, dairy and insect meeting with L. E. Willoughby, Gerald Ward and Dell Gates of KSC, at Olathe community building.
- January 13—Shawnee county district sheep and wool school.
- January 13 — Pottawatomie county artificial breeding association annual meeting.
- January 13-14—Kansas Feed Conference at KSC, Manhattan.
- January 14—Wilson county poultry management and housing school with Leo Wendling and M. A. Seaton of KSC.

Add 12,000 Acres To Irrigated Total

Over 12,000 acres in Kansas have been added to irrigated land as a result of work by soil conservation district co-operators and farmers to conserve soil and water.

During the 12 months ended July 1, 1952, according to the annual SCS report, technicians helped with revision of existing irrigation systems on 13,300 acres of other land. Irrigated land amounted to only a fraction of one per cent of land on which district co-operators applied necessary conservation measures during the year. The rest of the land is dry farm and ranch land.

Total new land brought under irrigation is nearly 63,400 acres. Land on which irrigation systems have been redesigned and improved is over 76,400 acres.

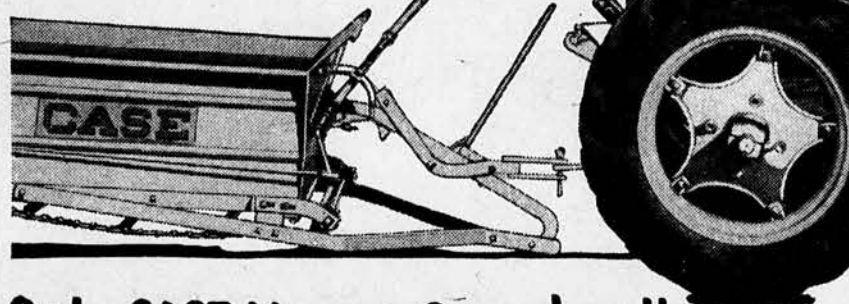
New 4-H Program For Adult Leaders

Members of the Kansas 4-H Foundation and the Missouri 4-H Foundation recently met in St. Joseph, Mo., to initiate a joint leaders program, weekly over Station KFEQ. Roger Regnier, assistant state 4-H leader at Manhattan, attended the meeting to help set up the new program.

Answers to Farm I. Q. Quiz:

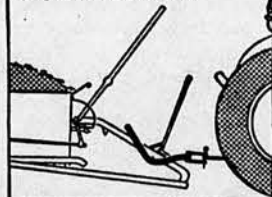
1. King Ranch—960,000 acres!
2. Isle of Guernsey, Channel Islands.
3. George Washington, at Mount Vernon.
4. 2,000,000.
5. Illinois—still the leading soybean-producing state.

No Lifting... No Jack to Crank



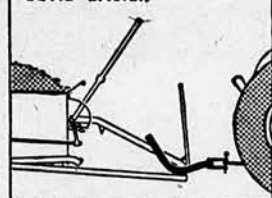
Only CASE Manure Spreaders Have... SELF-RAISING HITCH

RAISES AS TRACTOR MOVES FORWARD



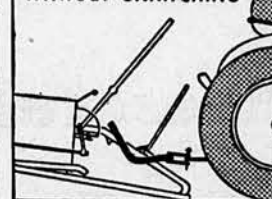
Clevis slides to drawbar height for easy hook-up, locks when hitch lifts box to raised position.

STARTS LOAD EASIER



Tractor gets rolling before starting spreader—a big help in pulling out of soft, slippery spots.

LOWERS WITHOUT UNHITCHING



Easy to load. Touch the short lever, and front of box drops down close to the ground.

No lifting... no propping... no jack to bother with, when you have a Case Tractor Spreader. Just slide the clevis to drawbar height and couple up. Same sliding action lets box down to load, or to uncouple. Mighty handy for daily spreading.

Case Spreaders are built strong, to stand strains of tractor speeds and mechanical loading. Extra bearing at middle of axle resists springing under big loads. Sharp teeth on beaters tear up chunks of manure. Apron travel is almost continuous—makes spreading more even, especially at light applications that make manure go farther, produce more. Weight balanced for good traction—both fully loaded and when nearly empty. Choice of 70 and 90-bushel sizes.

See your Case dealer about these truly modern spreaders. Remember—Case builds 25 great tractor models and a complete line of farm machines. Use the coupon below.

SEND FOR FREE BOOKLET... "HANDLING MANURE FOR EXTRA BENEFITS"

Get machine folders, too. Write in margin any size tractor, any kind of implement you need. J. I. Case Co., Dept. M-47, Racine, Wis.

NAME _____
POSTOFFICE _____
RFD _____ STATE _____

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Place Your Help Wanted Ad in **KANSAS FARMER**
Classified Rate: 10c a word, 12 words minimum.



BUY the BEST BODY at the BEST PRICE!
FOR OVER 20 YEARS THE TRUCKER'S STANDARD

- GRAIN TIGHT — BULL STRONG
- BUILT to outlast any truck — Take more road and load punishment
- SUPER-STRONG, Flexible hardwood body — Edge grain floor. No exposed nails.
- All lengths for all trucks

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OMAHA STANDARD BODIES

Why Scoop?
DUMP YOUR LOAD!
Omaha Standard
10 TON UNDERBODY HOIST
Mounts under all bodies, 10' to 16', new or used.

Factory and General Offices — 2401 W. Broadway — Council Bluffs, Iowa
DON'T BE CONFUSED — THERE'S ONLY ONE OMAHA STANDARD

Kansas Farm Home and Family

FLORENCE McKINNEY, Editor



CHEESECAKE is recommended for dessert after a light meal, for club refreshments or Sunday supper.

Desserts for Winter Days

From Cheesecake to Date Whip

WINTER and its holidays call for new desserts. Our cheesecake is right for party refreshments rather than following a big meal. You'll have no worry for it can be made ahead of time to serve. The cookies will be a new lunch-box treat and after-school snack. The soft gingerbread will keep moist for it's made with buttermilk.

Cheesecake

- | | |
|-------------------------|-------------------------------|
| 3 eggs | 1½ cups graham cracker crumbs |
| 3 packages cream cheese | ½ cup chopped pecans |
| 1 teaspoon vanilla | ½ cup sugar |
| ¾ cup sugar | ½ cup melted shortening |
| 1½ tablespoons flour | |
| ¾ cup whipping cream | |

Separate eggs and set aside one egg white for crust. Beat egg yolks thoroly. Beat cream cheese into yolks. Stir in vanilla, ¾ cup sugar and flour. Whip cream and fold into cheese mixture. Beat 2 egg whites until stiff and fold into cheese mixture. Pour cheese mixture on graham cracker crust.

For crust, mix together graham cracker crumbs, chopped nuts, ¼ cup sugar and melted shortening. Blend well. Reserve ¼ cup of this

crumb mixture for topping. Into remaining crumb mixture stir in one egg white, beaten stiff. Press cracker crumb mixture into bottom of square cake pan. Pour filling on top of crust, sprinkle with ¼ cup of crumb mixture and bake in slow oven (300°) for 1 hour. Serves 9.

Dessert Delight

- | | |
|-----------------------|----------------------|
| 1 cup pineapple juice | 1 cup whipping cream |
| ½ cup orange juice | |
| 24 marshmallows | 24 vanilla wafers |

Combine fruit juices and marshmallows. Place over low heat until marshmallows melt. Cook until mixture starts to set. Fold in the whipped cream. Crush vanilla wafers and arrange half in a shallow refrigerator dish. Pour fruit mixture over vanilla wafers. Arrange remaining crushed wafers on top. Chill for several hours. Makes 6 generous servings.

Date Whip

- | | |
|------------------------|------------------------------|
| ½ pound dates | 5 egg whites |
| ½ teaspoon salt | ¼ cup sugar |
| ½ teaspoon lemon juice | 1 teaspoon grated lemon rind |

Soak dates for 2 hours in water to cover.

Stew until soft. Add salt to egg whites and beat until stiff. Pit dates, drain well and press thru a sieve. Add lemon juice, sugar and grated rind. Fold into beaten egg white. Pour into baking dish. Set in pan of hot water and bake in low oven (275°) for 1 hour. Individual ramekins may be used instead. Serve plain or with whipped cream. Using large size ramekins this makes 6 servings.

Honey Drop Cookies

- | | |
|----------------------------------|--------------------------|
| ½ cup butter | ½ teaspoon baking powder |
| ½ cup strained honey | ¼ teaspoon soda |
| 2 eggs | ¼ teaspoon salt |
| 1½ cups sifted all-purpose flour | ¾ cup seedless raisins |
| ½ teaspoon nutmeg | ½ teaspoon vanilla |

Cream butter and honey together. Add eggs, continue beating until well mixed. Sift together flour, nutmeg, baking powder, soda and salt. Add dry ingredients to the creamed mixture. Stir in raisins and vanilla. Drop batter by tablespoons on a greased baking sheet 2 inches apart. Bake in moderate oven (350°) for 12 minutes or until golden brown. Makes about 2½ dozen cookies. Not rich, but these have a prominent honey flavor. [Continued on Page 23]

BOOKS ON REVIEW

Party Fun for Boys and Girls

Here is a new book with complete party plans, scores of them for children from 8 to 13. There are games of every sort, quiet, noisy, rough, mental, athletic, indoor, for boys or girls. Written by Lillian S. Graham and Marjorie Backerbarth, published by Prentice-Hall, Inc., New York, it sells for \$2.95. See your library or bookstore.

Month of Christmases

For the 6- to 10-year-old. A fine Christmas present for your storybook lover. Author is Siddie Joe Johnson; publisher, Longmans, Green and Co., New York City. Cost \$2.50. See your library or bookstore.

Peter Hunt's

How-to-Do-It Book

Here's the book that tells you how to turn old-fashioned, discarded furniture into custom-made, attractive pieces. You can learn how to make trays, wastebaskets, cupboards, garden furniture and countless other pieces. Not only how to make but how to paint elegant designs. Written by Peter Hunt, published by Prentice-Hall, Inc., it costs \$5.95. See your library or bookstore.

The Birds Are Yours

For bird-lovers and prospective bird-lovers, this book is ideal. Written by an eminent authority, it explains why birds behave as they do, what strange materials they weave into their nests, which birds have chips on their shoulders.

Dozens of human aspects of bird life are treated in chatty style. While especially appealing to young people, it will entertain every bird-lover. It will be highly suitable for 4-H Club folks. Written by Robert S. Lemon and illustrated by Don Eckelberry, it is published by MacMillan Company, New York. Price \$2.25. First see your public library or local bookstore.

This Place Called Kansas

Here is a new book on Kansas, not a history in the usual sense, but a collection of entertaining anecdotes which

are representative of the social and cultural pattern of the state. It deals with county-seat "wars," tall tales from the short grass, the old-time cattle drives. It will interest high school students, women's groups, everybody who wants to know more about Kansas and that's all of us. Written by Charles Howes from clippings and documents collected by his father, Cecil Howes, former newspaper man and historian, it is published by the University of Oklahoma Press. Cost \$3.75. See your local bookstore, your public library or write to the publisher, Norman, Okla.

Winter Desserts

(Continued from Page 22)

Soft Gingerbread

- 1/2 cup shortening
- 1 cup sugar
- 1 cup molasses
- 2 eggs
- 3 cups flour
- 2 teaspoons soda
- 2 teaspoons ginger
- 2 teaspoons cinnamon
- 1 teaspoon allspice
- 1/2 teaspoon cloves
- 1/2 teaspoon nutmeg
- 1 cup buttermilk

Cream shortening, add sugar gradually and mix thoroly. Add molasses and well-beaten eggs. Sift flour, add soda and spices and sift again. Add this mixture to the first mixture, alternately with buttermilk. Beat well, so batter is thoroly blended. Bake in moderate oven (350°) for about 45 minutes. Mrs. Edward E. Wilson.

Candy Making

We have a new supply of the free booklet on candy making entitled, "Candy and How." It contains a collection of old favorite candy recipes and some unusual ones. Outlined are the secrets of success in candy making. Explained are such problems as causes of sugary candy and how to prevent it.

Send your order for this free booklet to the Home Service Department, Kansas Farmer, Topeka.

A TOWEL A DAY

7286



Fun to embroider a towel a day. Seven different designs tell you which chores to do every day of the week. Perfect gift for the bride, easy for beginners. Pattern 7286 includes transfer patterns and embroidery directions.

Pattern is 25 cents. Address Needlework Editor, Kansas Farmer, Topeka. Send 25 cents more for needlework catalog.

Betty Crocker says: Fruit Cake is Traditional...



Here are three delicious variations from one basic recipe

Betty Crocker's VARIETY FRUIT CAKE

(Be sure to use Gold Medal Flour)

ELEGANT WHITE FRUIT CAKE

Preheat oven to 275° (slow).

Mix together..... 1 cup cooking oil such as Wesson
1 1/2 cups sugar
4 eggs

Beat vigorously with spoon or electric mixer for 2 minutes.

Sift together..... 2 cups sifted GOLD MEDAL Flour
1 tsp. double-action baking powder
2 tsp. salt

Stir in oil mixture alternately with..... 1 cup pineapple or apple juice
1 cup more sifted GOLD MEDAL Flour

Mix..... 1 cup thinly sliced citron
1/2 cup thinly sliced candied lemon peel
1 cup candied pineapple (1-in. pieces)
1 1/2 cups whole candied cherries
3 cups seedless white raisins (1 lb.)
2 cups nuts in large pieces

Pour batter over fruit, mixing thoroughly. Line with brown paper 2 greased loaf pans, 8 1/2 x 4 1/2 x 2 1/2-in. Pour batter into the pans. Place a pan of water on lower oven rack. Bake cakes 2 1/2 to 3 hours in slow oven (275°). After baking, let cakes stand 15 min. before removing from pans. Cool thoroughly on racks without removing paper. When cool, remove paper. Store by wrapping tightly in aluminum foil, then placing in covered jar in cool place to ripen.

*WHEN USING GOLD MEDAL SELF-RISING FLOUR: (1) Omit baking powder and salt (2) Have fruit juice boiling hot when adding (3) Do not add eggs until the mixture has cooled to lukewarm (about 1/2 hour).

**Orange juice may be used in the Old-Fashioned and Dark De Luxe cakes.

SPICY OLD-FASHIONED FRUIT CAKE

Follow basic recipe above, but, use only 1 1/4 cups sugar. Add 1/4 cup molasses with the sugar. Add 2 tsp. cinnamon and 1 tsp. nutmeg to dry ingredients. In place of fruits and nuts above, use: 2 1/2 cups seedless raisins (15-oz. pkg.), 2 cups cut-up dates (1 lb.), 2 cups mixed candied fruit (or 1 lb.), 1 cup nuts in large pieces.

DARK DE LUXE FRUIT CAKE

Follow basic recipe above, but, use brown sugar (packed in cup) instead of white sugar. Add 2 tsp. cinnamon, 2 tsp. allspice and 1 tsp. cloves to dry ingredients. In place of fruits and nuts above, use: 1 cup thinly sliced citron, 1 cup chopped candied pineapple, 1 1/2 cups whole candied cherries, 1 cup raisins, 1 cup chopped figs, 3 cups coarsely chopped nuts.



Give baked gifts this year

These rich, luscious fruit cakes are real gifts of friendship. Easy to make and certain to be good when you use this recipe and Gold Medal Flour. Since 1880, Gold Medal has helped make holidays merrier with festive baked gifts of all kinds. This year, let Gold Medal Flour do the same for you!

FOR BREADS, BISCUITS, PIES, CAKES, COOKIES
YOU NEED ONLY ONE BRAND



Gold Medal ENRICHED Flour

"Kitchen-tested"



Expert cook depends on Active Dry Yeast

Valley Falls Woman is Top Cook at Kansas Free Fair

Mrs. Ernest Heineken holds a few of the many ribbons she has won in cooking competitions. Just last year she took 17 first prizes at the Kansas Free Fair—plus 2 seconds and a third. A record like that makes Mrs. Heineken one of Kansas' leading cooks!

Like prize-winning cooks from every state in the Union, Mrs. Heineken praises Fleischmann's Active Dry Yeast. "It's the fastest and easiest ever," she says. "I always keep a supply

on hand so I'll have it when I need it."

Holiday meals call for yeast-raised treats... rich in nourishing goodness! When you bake at home, use yeast. And use it in the more convenient dry form! Fleischmann's Active Dry Yeast needs no special care, stays fresh for months right on your pantry shelf... it's so much more convenient than old-style, perishable cake yeast. For the speediest, easiest yeast ever, get Fleischmann's Active Dry Yeast.



Brand New! And Just in Time Red and Green CHRISTMAS IVY

Not Available
in Stores

Only **50c** ea.



Here's an exciting new house plant that was born to be a Christmas decoration. Has big, two-color leaves that are as green as a Christmas tree on top and as red as a Christmas candle underneath. Lovely all year around, but you'll be sure to want a couple now to add a new and different touch to your holiday decorations. We send a young, healthy plant well-covered with gorgeous red and green leaves. Send 50c for 1, plus 10c for postage, handling or better still \$1 for 2, and we pay all postage, C.O.D.'s welcome on orders of \$1 or more but plus postal charges. If not delighted in every way, return at once for your money back. Makes a wonderful gift too!

KRUSE NURSERIES, Dept. 96033, Bloomington, Ill.

Name.....
Address.....

Home Editor Visits

Home Economics Research Laboratories

BELTSVILLE, MD., is a tiny spot on the map, but it's a mighty force for good in home economics as it affects the consumer. This USDA experiment station is actually on a campus, like our own Midwest college campuses. Rolling land, lush green grass and trees just turning to brilliant fall colors were a welcome sight after spending several days in eastern cities. It's only a few minutes ride by car or bus from Washington, D. C., but entirely surrounded by the state of Maryland. Most of the workers make their homes in the city.

Since we were interested in what goes on from the women's angle, we spent the time in the buildings where research work is done for the welfare of the homemaker and her family.

Some "best sellers" have come out of the bureau of human nutrition and home economics. Many of you know and own them. One is "Home Canning of Fruits and Vegetables." More than 10 million copies of this bulletin are now in the hands of Mrs. America.

But before such a publication reaches you, months, even years, of research work preceded it. It's well to consider this when canning the peaches and beans next summer.

Works on Orlon

As we walked from laboratory to laboratory, we met some of the people behind the publications. In one, orlon and dacron garments were being washed to determine whether there were color changes, shrinkage and chemical changes. Part of them were to get 20 washings in the same commercial detergent and part with the use of federal standard soap. Someday the results will reach us.

In another laboratory, work was being done on fabrics made of combinations of wool and the man-made fibers. Here the wearing qualities were being put to tests. Gray jersey blouses were being made so actual wearing could determine the results.

The bureau has developed its experimental fabric, made of a combination of wool, mohair and nylon in varying proportions. This material was made into men's pants which are worn by workmen under controlled conditions. When the best combination of the 3 fibers is finally determined, the consumer will eventually get the benefit for manufacturers will proceed to make it. After all, they follow the wishes of those who buy.

One room where textiles were being studied, both temperature and humidity were controlled, so uniform tests were given all materials.

At the moment, the bureau is testing

20 different kinds of carpeting, some all-wool, all-cotton, all-nylon and many combinations of these fibers. This will be a long-time study because carpet is long-wearing. In some laboratories abrading machines were running to test the wearability of certain articles of clothing.

Washing machines and electric driers were whirling in still another laboratory to determine what it is that affects 14 different fabrics in the various drying methods. The girls were keeping records on temperature, bursting strength, color and dimensions, also on the fluidity test, which is a precise chemical experiment on decomposition of fibers. Both electric and gas driers were in use.

The bureau has received so many questions from Mrs. America about laundering white nylon garments that some special work was done. Women wanted to know how to keep it white how to return it to whiteness after it had taken on a yellowish or grayish tint. They wanted to know whether synthetic detergents were harmful to white nylon. All of us who wear white nylon agree it presents a special washing problem. They have come up with the answers.

They warn every user that white nylon picks up color easily, so recommend that it be washed alone, not even with pink nylon. First of all, soften the water, then wash with synthetic detergent or soap. Soaking first for 10 minutes in water to which a water softener has been added will help. In other words, much of the grayness and yellow tint is due to soap curd caused by use of soap with hard water.

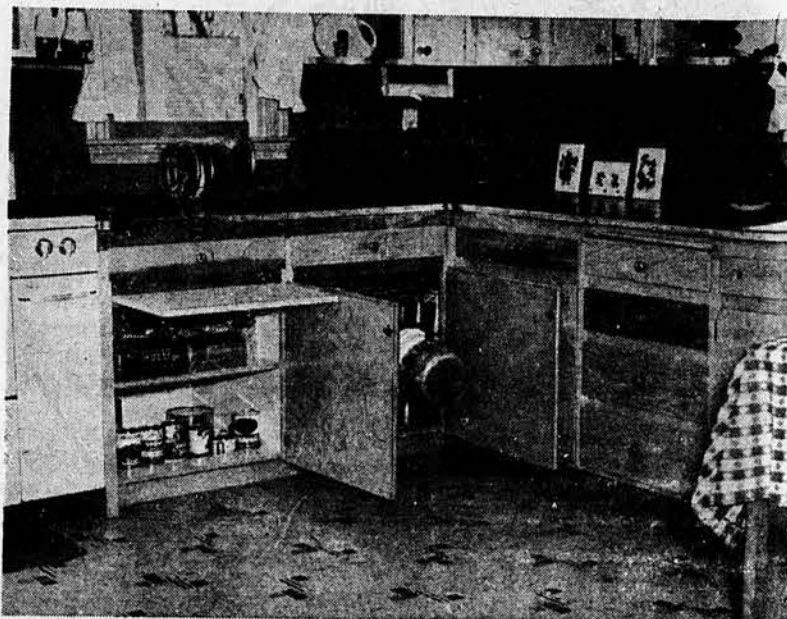
Powdered Bleaches

They recommend use of powdered bleaches to remove undesirable color. A chlorine liquid bleach may be used, but for this purpose is not quite as desirable, because it may possibly cause damage to the fiber. Be very sure you rinse well after bleaching. They found that repeated soaking, laundering and bleaching by this method produced additional whiteness.

Too, they studied use of bluing on white nylon. They learned it masks the undesirable yellow color to make the white nylon appear still whiter. However, this is a good method, well known to all good home launderers.

Another department at the experiment station has studied and built what they choose to call expandable houses which, as the name indicates, may be enlarged to take care of an enlarging family. We'll tell you about these houses in a future issue.

THRIFTY USE OF SPACE



THE COOKING CENTER: Modern efficient kitchen arrangement is illustrated in this farm home where everything to do with food is stored. Note rack for lids, stove at left, cooking pots and pans hanging on sliding rack and lap-board at which food may be prepared while sitting.

NEEDLE NOTES

9142—Wear this jumper with blouses and sweaters or bare it for a gay date dress. Square neck, easy bodice, fitted skirt. Misses' sizes 12 to 20; 30 to 42. Size 16 jumper takes 3 yards 39-inch fabric; blouse 1½ yards.

4737—Perfect for shorter, fuller figure. Cross-over bodice flatters. Half sizes 14½ to 24½. Size 16½ takes 3¾ yards 39-inch fabric; ¾ yard contrast.

9271—Choose this smart casual with deep yoke, paneled hipline. Easy to make, use any fabric. Misses' sizes 12 to 20 and 40. Size 16 takes 3¾ yards 39-inch fabric.

4639—You'll look taller, slimmer in this side-swept buttoned casual with graceful lines. Half sizes 14½ to 24½. Size 16½ takes 4¼ yards 39-inch fabric.



9142
SIZES
12-20
30-42



9271
SIZES
12-20
40



4737
SIZES
14½-24½



CAN BE
CUT
FROM
100 LB.
FEED BAG



4639
SIZES
14½-24½



4691
SIZES
2-10

4691—Wardrobe for boys and girls. Overalls, playsuit, blazer, blouse. Sister has a jumper, too. Child's sizes 2 to 10. Size 6 blouse 1¼ yards 35-inch nap; overalls 2½ yards 35-inch nap; blazer 1½ yards, jumper 1½ yards. Transfer included.

9244—Use remnants or feedbags to make this apron. Trim pockets and scalloped edges with gay bias tape. Small 14-16; medium 18-20; large 40-42. Small size takes 1¼ yards 35-inch fabric.

Pattern Numbers	Size	Name
		Route
		Town
		State

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



LLOYD BURLINGHAM'S
SKELGAS
FARM REPORTER

Account Overdrawn...

Agriculture in one respect may be like an old man I know who uses his prayers thanking the Almighty, not to ask further favors. He says he has been given so much that his account with life must be overdrawn. So he sends up words of gratitude for what is already his.

So with farming. It is well-blessed. This year now drawing to a close is the eleventh consecutive one of better-than-average crops. What a great and wonderful dispensation to have good weather for food production for so long a time. Food is a tremendous implement of war; it can also be a bulwark of peace.

We do well to acknowledge our good fortune. We do well to be grateful for what has been afforded us.

MOM DESERVES THE FINEST



Give her
a **NEW**
SKELGAS
Constellation Range!

This year, surprise Mother with a really important gift—a sparkling new Skelgas Constellation Range. Here's a gift to excite any mother... a gift that she'll love more every day!

Money can't buy a more beautiful, practical cooking appliance... for the new Skelgas Constellation Range has every feature that means less work in the kitchen, more delicious meals on the table! See your local Skelgas Dealer now and arrange for delivery before Christmas!

Skelgas Families' FAVORITE RECIPES

RAW APPLE CAKE

2 cups sugar
4 eggs
1 cup raisins
3 cups raw apples (sliced)
3 cups flour
1 teaspoon cloves
1 cup butter
1 cup cold coffee
1 cup walnuts
2 teaspoons soda
2 teaspoons cinnamon
1 teaspoon nutmeg

Cream butter and sugar. Add beaten eggs and mix. Sift all dry ingredients and add with coffee. Lastly add sliced apples, raisins and nuts. Bake 1 hour at 350°F.

FROSTING

2 tablespoons melted butter
3 tablespoons cream
½ cup brown sugar
½ cup coconut (nuts, if desired)
Mix all together and spread on cake while warm. Brown under broiler.

Mrs. E. W. Skoog
Route 1, Box 158, Lindstrom, Minnesota

Your favorite recipe will win \$5 if it's published here. Please keep a copy for yourself. Just send your recipe to Dept. F-1252.



HINTS for House and Garden

Christmas cards make gay ornaments for the family Christmas tree. Be sure cards don't touch hot electric bulbs.

Paper stuck to furniture? A few drops of oil will loosen paper without harming finish. After oil has soaked in, rub paper off with damp cloth.

Line roasting pan with aluminum foil paper before cooking meats. When cooked, discard paper. No messy pan to clean.

MONEY DOES GROW ON TREES!

According to a noted forestry authority, the average farmer is overlooking a lucrative source of income—in his crop of trees. With good planning and care, he can realize from \$4 to \$10 per acre per year from his forest land, instead of the average \$1.50 per acre that most farmers now earn. Pulpwood now brings about \$4 per acre, and sawtimber sells for about \$30 per 1,000 board feet.



Declares Skillet obsolete with Skelgas Constellation Range

"I've cooked on my new Skelgas Constellation Range for over a year now and am thrilled with its wonderful features. The Broil-Master meat oven is wonderful for broiling steaks, chops or even complete meals. It seems to hold in all of the wonderful flavor that a cut of meat should have. The feature I especially like, however, is the Constellation Griddle. I could almost do without a skillet because frying is so wonderful and simple on my Constellation Griddle. We have never purchased an appliance that has given us as much satisfaction as has our Skelgas Constellation Range."

Mrs. Robert Lansman
Route 2, Harlan, Iowa

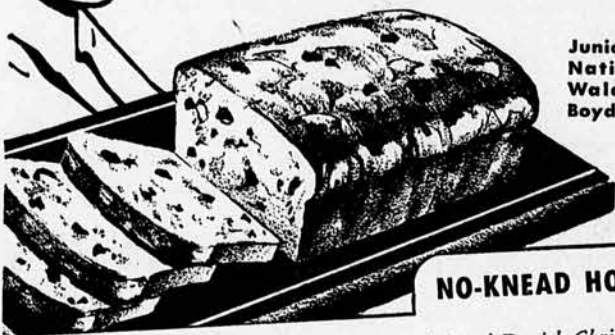
SEE YOUR FRIENDLY SKELGAS DEALER TODAY!



"Serves Anywhere...
Saves Everywhere"

SKELGAS DIVISION, SKELLY OIL COMPANY, P. O. Box 436, Kansas City, Missouri

TRY THIS PRIZE WINNER WITH RED STAR *Special Active* DRY YEAST



Junior contest winner, Grand National Baking Contest, Waldorf-Astoria, Kathleen Boyd, Kenosha, Wisconsin.

NO-KNEAD HOLIDAY BREAD

This is a No-Knead version of a traditional Danish Christmas bread, rich in raisins and candied fruit. It is simple to prepare—just one rising.

BAKE at 350° F. for 50 to 60 minutes. MAKES 1 loaf.

DISSOLVE 1 package RED STAR Special Active Dry Yeast (or 1 cake of compressed yeast) in $\frac{1}{4}$ cup warm water (110° to 115° F.). COMBINE $\frac{1}{4}$ cup shortening, $\frac{1}{4}$ cup sugar, $1\frac{1}{2}$ teaspoons salt, $\frac{1}{2}$ cup scalded milk. COOL to lukewarm by adding $\frac{1}{4}$ cup cold water. BLEND IN 1 egg, $\frac{3}{4}$ cup raisins, $\frac{1}{2}$ pound (1 cup) mixed candied fruit

and the dissolved yeast. ADD 3 cups sifted Pillsbury's Best Enriched Flour; mix until well blended. Cover and let stand for 15 minutes. SPOON dough into greased 9x5x3-inch pan; cover. LET RISE in warm place (85° to 90° F.) until light, about $1\frac{1}{2}$ hours. BAKE in moderate oven (350° F.) 50 to 60 minutes. *If compressed yeast is used dissolve in $\frac{1}{4}$ cup lukewarm water.

RED STAR IS THE FIRST 3-WAY
IMPROVED DRY YEAST

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



Join Your 1953 County Farm Bureau

Work with 64,700 Kansas farm families in 105 Kansas county Farm Bureaus sponsoring a program dedicated not only to the welfare of agriculture, but also to the preservation of a sound economy in our state and nation. Contact your county Farm Bureau office now!

Capper Foundation Seals Feature Berkshire Hills



"Berkshire Hills" by Leo Blake

last year. If your name was not on last year's list, fill in and return the coupon below at once, and you too will get a sheet of 100 seals.

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

Dear Sir:
Please send me a sheet of 100, 1952 Christmas seals. I am interested in the work the Capper Foundation is doing for crippled children.

Name.....
Address.....

Again the Christmas seals put out by The Capper Foundation for Crippled Children show a winter landscape. This year the scene is near Berkshire, Massachusetts, and includes the home of the artist, Leo Blake. The seals are attractively presented in four colors. These bits of brightness will add interest to your Christmas mail.

There's a sheet of Christmas seals being sent to each person who contributed to the crippled children fund



A Country Woman's Journal

By MARY SCOTT HAIR

"Softly along the road of evening,
In a twilight dim with rose,
Wrinkled with age, and drenched
with dew,
Old Nod, the shepherd, goes."
—By Walter De La Mare.

BREATHES there a sheepman who does not fondly hope lambing season will be full of warm, sunshiny days? I might go even further and add, did such a person ever live!

One could change the words of a popular song a bit and ask, "They can dream, can't they?" Yes, if they have time. But looking thru our notebook of experience, lambing time brings out the coldest, dreariest days of the year no matter what the season.

To the novice, that last statement may seem to read backward, especially if he remembers that oft-quoted line about, "God tempers the wind to the shorn lamb." But I'm not talking about sheep-shearing time.

I mean the time when lambs start entering the world, many of them with just one ambition, seemingly, to breathe a few minutes and get out of the world as quickly as they can. A week can be half full of pleasant days and nothing happens. But just as storm clouds roll across our hill pastures from the northwest bringing snow, sleet or drenching rain, we've learned to look out. Nina or Juliette or Louise chooses that day or late evening to usher a pair of indifferent, wobbly-legged lambs into the world.

Some days ahead of time the Mister came in from the evening chores, handed me a bottle and 2 nipples saying, "Here, wash these so they'll be ready for use." The next day I looked thru the blankets, picked out one that was getting thin and worn and tore it into squares to be used for giving weak lambs their first rubdown.

In preparation for these yearly events the Mister reads magazines and farm papers, hoping to get new ideas which he calls "pointers" on the sheep business. Out of his reading came this de-

mand, "Have that bathroom heater so I can use it if I need to. It says here they're the best things yet for drying off a wet, weak lamb that refuses to dry and warm up of his own free will."

Any day now I look to have my leisurely bath interrupted with the rude demand to hand over my blue-with-silver-trimmings electric heater to The Cause, spelled with capital letters!

I've been the object of a lot of good-natured ribbing ever since I insisted we attend a fat ram sale in a neighboring county last summer, for after my experience as flock keeper I had ambitions which called for a fancy ram. And that's just what we bought, a fancy one.

First, I was teased unmercifully because the registered Shropshire was white and looked like a huge stuffed toy by the side of our ewes. He was the handsomest sheep I'd ever seen and was so mild-mannered and gentle. I told my tormentors, "Just go ahead and laugh at me. You'll be sorry."

The aristocrat was named Hughey after one of his youthful owners. And for a time he seemed to consider himself a bit better than the company he was expected to keep. But gradually his thick fleece got soiled in places, his eyes had to be shorn of extra wool so he could see and he became a member of the flock.

Did I say "member"? He soon became the Big It, just like I'd hoped he'd do, to vindicate me of mine adversaries, as the Bible says, only I didn't mean for him to go so far.

I simply do not understand what there is about this thing of being married and settled down that makes some men just the opposite of what they were before embarking. By the same sign, I haven't figured out why my Hughey takes his responsibilities so seriously. I know only that from the sweet-tempered pet he was in the beginning, he's now the boss of the ranch. Even the Mister says so!

The POET'S Corner

Johnny's Story Hour

There are many books he likes;
The cat and mouse one tops the stack!
He likes the little tractor tale,
And tearful train, stalled on the track.

He listens well, he listens long,
And he sees no earthly reason
Why lovely tales of Santa Claus
Should be limited to season!

—By Mary Holman Grimes.

December Snow

It's fitting that December snow
Should fall in giant flakes,
To add an extra festive touch
To brown-toned hills and brakes,
That cedar trees might sparkle with
Sun jewels in their branches,
Before the snowy mass glissades
In tiny avalanches.
It's fitting that December snow
Should spread a soft white mantle,
Bring memories of crackling fires
And stockings by the mantel.

—By Mary Holman Grimes.

After-School Snack

He rushes in on nimble feet
And promptly asks, "What's there to eat?"
He wastes no time in scouting round,
And soon I see that he has found
A "little snack" of toast and jam,
A sandwich made of cheese and ham,
A plate of salad left from lunch,
A dozen gingersnaps to munch,
And half a pie I thought I'd hid
By placing it beneath a lid.

It seems this "snack" would dim a mite
My schoolboy's supper appetite;
But such is not the case at all...
He greets with joy the supper call.

—Juanita Jackson.

Journey's End

I like the roads on an autumn day
That lead far off the broad highway
With Bill, my pal, and Shep, my dog,
Strange pictures find in distant fog,
That hang like smoke along the creek
As we would some adventure seek,
In grove of trees or deep ravine,
Or old nest in an evergreen,
And find some treasure by the road,
Or watch a harmless hopping toad.
When creeping comes the dark, we know
Our pace has been a trifle slow,
Then thoughts dwell not on treasure-trove
But good food cooking on the stove.

—Camilla Walch Wilson.

Yum Yum

The scent from purple lilacs
And spicy cedar, too,
And from red fields of clover
Sure thrill me thru and thru.
There's smell of rain in summer
And leaf fires in the fall;
A whiff from Ma's hot bread is
The keenest smell of all.

—By May Smith.

Cookie Season

A 22-page cookie booklet again is available to our subscribers. It includes not only old reliable standby recipes, but the unusual, too. Other features are whys and hows of cookie making, decorating hints and notes on storing and packing. Write to the Home Editor, *Kansas Farmer*, Topeka, and ask for "The Way of All Cookies." Please include 3c for postage.



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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.

You Can Buy Advertised Products With Confidence



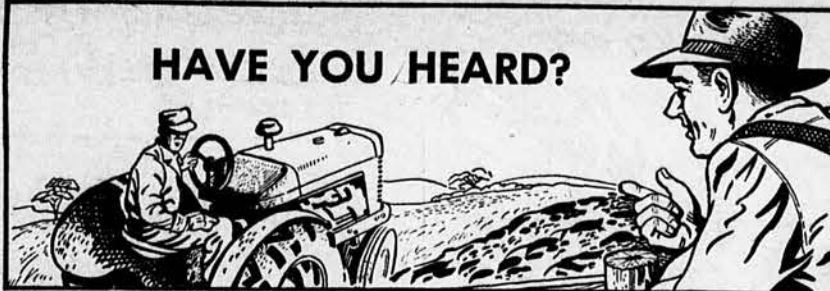
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A useful gift, a MAN'S gift—to make him an Expert Fixer! Wise-Grip locks to work with Ton-Grip. Won't slip! Turns, twists, pulls, cuts, ratchets. A whole tool kit in one trim tool 7", 10", and 12". With or without cutter. Only \$1.85 to \$2.60 at your hardware dealer.

Manufactured by **PETERSEN MFG. CO., INC.** Dept. KF-12 CRIP DeWitt, Neb.

HAVE YOU HEARD?



Notes on New Products and Folks Who Make Them

PEX CONDENSED whole whey is packaged in 50-pound self-feeding boxes for free choice constant feeding to poultry. Pullets and hens average 2 to 3 pounds daily consumption per 100 birds. Pex is whole whey of high solids with no filler of any kind added. Consolidated Products Co., Danville, Ill.

Vinylite Tarpaulins make excellent covers for machinery, equipment, autos. Made of DuPont 10-gauge Vinylite, these tarpaulins are light, durable, tough, 100 per cent waterproof, crack-proof, peelproof; resistant to abrasion, motor oils and most chemicals. Won't warp or shrink. American Agency, 799 Broadway, New York 3, N. Y.

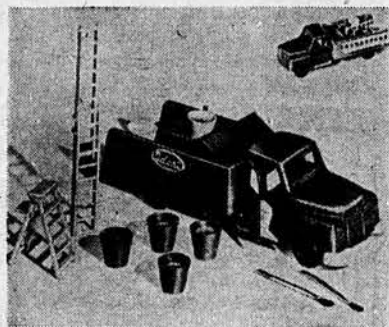
Miniowa Loader features a new application of hydraulic power in that it pulls load up rather than pushes, and is available with either single or double action cylinders. Especially designed for medium-size tractors with univer-



sal frame for use with either standard tread or tricycle type tractors. Attachments: snow scoop, dozer blades, hay stackers, sweepstakes, loading booms. Mfg. Associates, Perry, Ia.

J. B. Schrock, president of Schrock Fertilizer Co., Congersville, Ill., announces establishment of new fertilizer distribution centers at Kiowa and Anthony. Anhydrous ammonia, liquefied with 82.6 per cent nitrogen, is handled, stored and applied with specially-designed tanks and equipment.

Paint Truck is interesting, unusual paint set for children which will put an extra sparkle to their eyes. Sturdy plastic truck. Paints are in little buckets in truck. There's a ladder, step ladder, brushes, holders. About 12"x4"x5". Bright colors. The Fireside Shop also has a clever Puppet Doll for daughter, comes in Vinylite plastic dressed in pajamas and blanket. Fire-



side's 3-Section Skillet is a handy home-maker's item, especially good for warming up foods. Write 950 Lincoln Way East, South Bend 18, Ind.

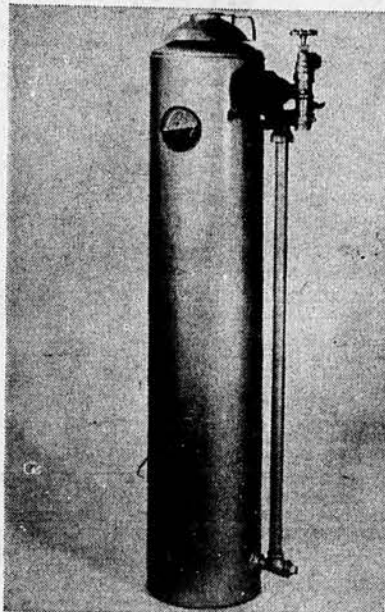
Gas-O-Lator is an emergency fuel unit and engine trouble-shooter. Viking Tool and Machine Corp., Belleville, N. J., says "it's 100 per cent starting insurance for any fuel system breakdown." Unit which holds one gallon of gas can be installed on carburetor in a jiffy. Operates independently of regular fuel system. Gas-O-Lator injects proper fuel-air mixture into engine,

gets vehicle moving under its own power immediately with normal acceleration.

Big-Ham Hog Trough, of Butler Mfg. Co., Kansas City, is new, all steel, comes in 2 models. Model 108 feeds 21 pigs and model 1512 feeds 22 pigs. There are individual feeding compartments; feed is saved and there's less spilling, too. Big-Ham is easy to fill, clean, move.

Dewk is a snow-white plastic, in a tube, good for applying to cracks around tiles, sinks, tubs. Is permanent, never will crack, chip or break. Just squeeze Dewk out of tube and into crack. DeWitt Products Co., Dept. 2B, 5860 Plumer, Detroit 9, Mich.

Lindsay Automatic Water Softener is a home water softening unit. Features are spin-top closure, inside-and-out hot dip galvanizing or plastic coat-



ing and use of Dow hi-capacity resin (softening mineral). The unit is available in 6 sizes to meet a full range of home water softening requirements. A 10-year tank warranty is issued with each softener. For details, write department 2D, The Lindsay Co., St. Paul 1, Minn.

Fort Dodge Tent & Awning Co., Fort Dodge, Ia., announce production of a new improved cab attachment. There's plenty of headroom, simple installation. Heat-Houser cab folds forward, out of way for stand-up driving. Waterproof canvas.

Hyers—makers of boots—can just about fix you up in any type of boot you could want. Custom-made boots with special designs and material can be yours. Hyers, Olathe, Kan.

Wonder Hut Building is easy to assemble, gives you a building fast! Can be used as a storage building, machine shop, garage, chicken house, etc. Is available in 3 sizes—20 feet, 40 feet and 50 feet widths. Wonder Hut is prefabricated, trussless, demountable. Has heavy gauge, galvanized steel arches that are self-supporting so no foundation is required. For details, write to M. P. H. Mfg. Corp., Inc., 30 N. LaSalle St., Chicago 2, Ill.

Dyna-Grip is a new bottle cap remover made of rubber, can expand to fit large and various size caps. Use in bathroom, kitchen, workshop. No more hot-water soaking to get off stubborn lids or caps. Universal Sales Co., 4020 NE Cully Blvd., Portland 13, Ore.

NOTES FROM THE BEET SUGAR KITCHEN

by Nancy Haven



Holiday surprise! A creamy cheese cake custard in a new crumb crust. Decorate it in any of many Christmasy ways. Serves six.

First the Crust

Combine 1 cup fine, dry breadcrumbs with 6 tbsps. Beet Sugar and 4 tbsps. each ground almonds (optional) and melted butter or margarine. Press firmly into a 9-inch pie pan. Chill.

Then the Custard

1 cup cottage cheese, large curd
1 (3 oz.) package cream cheese
2/3 cup Beet Sugar
1 tablespoon flour
1/4 teaspoon salt
2 eggs
1 teaspoon vanilla extract
3/4 cup rich milk or cream

Combine all ingredients but milk or cream by beating with rotary or electric beater until smooth. Stir in milk or cream. Pour into chilled crust.

Now Bake—in mod. oven (325° F.) 40 min.; turn off heat; leave pie in oven (door closed) 30 min. longer. Remove and let cool on rack.



Decorate with one of these

- * a center wreath of candied fruit bits with tiny red and green candles
- * a fluffy cover of red and green colored coconut
- * maraschino cherries and holly leaves cut from candied citron

FREE CANDY BOOKLET

"Candy—And How"—30 pages of recipes, secrets for candy success—gift ideas too! Send for your copy now. Address below.



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to relieve distress of

CHEST COLDS

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Many Colors,
Aluminum
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- **APPLY DIRECTLY OVER RUSTED SURFACES:** Just scrape and wire-brush to remove rust scale and loose particles . . . then apply by brush or spray. No special preparation needed.
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Dries in 4-12 hours depending on temperature and humidity.

- **AVAILABLE IN MANY COLORS:** RUST-OLEUM is available in most colors, aluminum and white—and in colors to match colors of leading original manufacturer's equipment.
- **PROTECTS EVERY RUSTABLE METAL SURFACE:** Machinery, implements, fences, metal roofs and buildings, gutters . . . indoors and out.

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L. J. MESSER COMPANY
102 South Second Street
Norton, Kansas

L. J. MESSER COMPANY
110 North Seventh Street
Beatrice, Nebraska

INDUSTRIAL STEEL & SUPPLY DIV.
622 East Third Street
Wichita, Kansas

THE FAETH COMPANY
1608 McGee Street
Kansas City, Missouri

RUST-OLEUM CORPORATION 2702 Oakton Street,
Evanston, Illinois

Recognized for Faithful Service In Ranks of Extension Workers



THESE FIVE MEMBERS of faculty of Kansas State College were honored at recent 38th annual Extension conference in Manhattan for outstanding work in field of Extension education. Left to right: Paul Gwin, Junction City; George Sidwell, Wakeeney; Lester Shepard, Erie; George Gemmell, Manhattan, and Ella Meyer, Manhattan.

FIVE MEMBERS of Kansas State College Extension faculty were recognized for outstanding work in the field of Extension education by Epsilon Sigma Phi, Extension honorary fraternity, at the 38th annual extension conference held recently on the K-State campus. They are Paul B. Gwin, Junction City; George Sidwell, Wakeeney; Lester Shepard, Erie; George Gemmell, Manhattan, and Ella Meyer, Manhattan.

Mr. Gwin has been county agent since 1921. His first 4 years were in Morris county. He has been in Geary since 1925. Gwin probably has had more state and national 4-H Club winners than any other Kansas agent. His adult educational program also has been outstanding.

Mr. Sidwell, an agent since 1923, served Ness county 5 years, Edwards 10 years, and Rice 12 years. He is now in Trego, the 105th Kansas county organized for Extension education. Sidwell assisted in the organization. He is credited with doing pioneer educational work on testing cows for tuberculosis and on value of sweet clover in crop rotation.

Mr. Shepard has been agent in Neosho county since 1928. He had been in Extension work in Iowa 11 years previously.

He is given credit for having been instrumental in building up the dairy enterprise in his county, and with having had a major part in having the Neosho Valley creamery built at Erie.

Mr. Gemmell has been recognized nationally for his work in Extension education methods adapted while he was head of K-State home study department. Enrollment in this department increased 400 per cent over a 15-year period. Mr. Gemmell, member of the college staff since 1918, is a member of 10 honorary societies. He is acting head of the department.

Miss Meyer, at present district home demonstration agent with the Kansas State Extension service, started her extension career in 1925 as home agent in Franklin county. She later served as home agent in Ford and Rice counties before joining the state staff in 1940.

Named U. S. Consultant

Named consumer consultant to the Food and Drug Administration's district office at Kansas City is Myrtle G. Cornell, Kansas State College associate professor in household economics. She is one of 16 consultants appointed thruout the United States.

DID YOU KNOW?



IT IS NOT INHERITED!
IT IS SPREAD BY
PEOPLE WITH ACTIVE
DISEASE WHO COUGH
UP GERMS.



THE FIRST SEAL
FIRST AMONG DISEASES
AS A CAUSE OF DEATH
IN THE U.S. IN THE AGE
GROUP FROM 15 TO 35,
TB CAN—AND DOES—
KILL AT ALL AGES.

CHRISTMAS SEALS HAVE
BECOME A HOLIDAY
TRADITION IN THIS COUNTRY,
WHERE THEY HAVE BEEN
SOLD SINCE 1907. THE FIRST
SALE WAS IN WILMINGTON,
DEL., AND WAS SPONSORED
BY THE LATE EMILY P.
BISSELL TO RAISE FUNDS
TO HELP SOME DOCTORS
CONTINUE COMMUNITY
WORK.

Farm Welder Pays Way

(Continued from Page 4)

was poured. The house is of concrete blocks with a frame roof. Only defect of the house so far is that after heavy rains, dampness is noticeable on the inside of the walls, so Mr. Doughty plans to treat outside of the walls to control this.

A 220-volt electric line has been run to the house, both for operating pig brooders and powering his handy 180-amp. farm welder. The welder was used to construct gates for farrowing units and is being used as he has time to put gate hangers on metal posts. City water, now in a lot about 16 rods away will be piped to the house soon.

"I save the cost of all the electricity used with my farm welder," Mr. Doughty stated, as he pointed out some other uses he had made of this equipment which he can take almost any place on the farm.

By building a squeeze chute, which he estimates cost about \$40 or \$50, using second-hand metal, he figures he saved \$300. Mounted on wheels, it can be taken any place on the farm, then lowered to the ground with a winch to give a solid footing.

Just completed, Mr. Doughty has the chute painted red and silver. He first tried it to cut a boar and he says it worked fine. A local veteran's class and several neighbors have been in to see it and get ideas for building their own.

Stock racks are another project Mr. Doughty recently completed. Second-hand angle iron was bolted together and chain link fencing used for sides. A stock door is provided at the back, swinging out on corner pins and fastened shut with a single wing nut. Painted silver to protect metal and mounted on Doughty's red pickup truck, the stock racks attract quite a lot of attention. By using the chain link fencing, they are solid enough to use in hauling corn, too.

The Doughtys have lived on the farm about 8 years. They also have 26 dairy cows and produce and bottle grade-A milk. All the farm has been limed, fertilizer is applied on basis of soil analysis and one third of the acreage is kept in legumes as Messrs. Drake and Doughty look to the future.

Won Chicago Trip

A Chicago trip to the International was awarded Keith Swenson, president of the Morganville Wide-Awake 4-H Club, for his promotion of farm and home electric classes for club members in Clay county.

Keith helped plan the year's program of training lessons, wrote manufacturers for films that could be used in class work and helped with a booth at the State Fair with electricity its theme which placed in the blue ribbon award group.

Livestock, garden, junior leadership, and organizing a club in his community are other Swenson accomplishments. He also entered state competition in the Farm Bureau sponsored skilled driver's contest. Model railroad is a favorite hobby. He plans to major in electrical engineering at Kansas State College next year.

Improve Your Dairy

Concrete can do wonders for your dairy farm buildings and layout. "Dairy Farm Improvements of Concrete" is a new booklet of Portland Cement Association. Tells how to build dairy barn floors, what to do for sanitary milkhouses, gives tips on cooling tank construction, how to have a "firesafe" barn, how to make quality cement. Also available free is a 2-page drawing of milking parlor construction. Address your request for these 2 items to the Farm Service Editor, Kansas Farmer, Topeka, Kansas.

Average, in 11 Months of Lay.

\$100 EXTRA Egg Income Per
100 Hy-Line Pullets Housed



Hy-Lines LAY
MORE Eggs with
LESS Feed Cost

That's Hy-Lines' Advantage over Standard-Bred and Crossbred Chickens in 1,182 Farm Tests

These figures are based on all divided flock tests in 20 states and Canada for three years, conducted by farmers comparing their Hy-Lines with their other chickens.

Kind	Total Housed	Eggs per 100 Birds Housed
Hy-Lines	201,452	18,010
Standard-Breds & Crossbreds	204,220	14,380
HY-LINE ADVANTAGE (Per 100 birds housed!)		3,630 EXTRA EGGS or 10.1 EXTRA CASES

At average egg prices (as reported by U.S.D.A.) those 10 EXTRA CASES (laid in 11 months) meant about \$130 EXTRA INCOME per year per 100 Hy-Lines. Hy-Line pullet chicks cost only about \$20 to \$30 more per hundred than other chicks. After deducting the extra chick cost, each Hy-Line layer paid back an average of about \$1.00 MORE than other chickens. That's the answer to which chickens LAY BEST and PAY BEST.

Hy-Lines Sweep Kansas Demonstration Awards

Hy-Lines won 7 out of 8 top awards in two divisions of the 1951-'52 Kansas Farm Demonstration Flock project and made the HIGHEST EGG RECORD (255 average) ever reported since this project was started over 20 years ago. Awards are made by the Kansas City Chamber of Commerce, The Weekly Star Farmer and the Kansas Poultry Improvement Association, and the project is open to all breeds, crossbreds and hybrid chickens. Here are the Hy-Line winners:

Place	Name, Address	No. Birds	Average Per Bird Eggs	Profit
1st	W. J. Kaufman, Moundridge	736	248	\$2.83
2nd	Elmer Reep, Wichita	738	221	\$3.25
4th	R. S. Lyman, Burrton	445	203	\$3.32

COMMERCIAL FLOCKS

Place	Name, Address	No. Birds	Average Per Bird Eggs	Profit
1st	Willis Voran, Moundridge	332	255	\$2.40
2nd	Murray Fell, Fellsburg	1,123	224	\$1.80
3rd	Fred Yarrow, Clay Center	195	239	\$1.64
4th	Ralph Eubanks, Denison	536	212	\$1.84

EARLY ORDER SAVINGS SAVE MONEY!

Place Your Order for 1953 Hy-Line Chicks by January 1

Take advantage of our early order savings offer. Simply place your Hy-Line Chick order before January 1. A small deposit books your order now and reserves your chicks for the date you prefer.

See Our Representative in Your Community, or Write for Complete Details

LEARN MORE ABOUT HY-LINE HYBRIDS

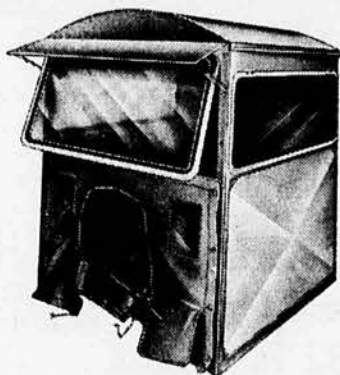
Ask Your Hy-Line Chick Representative for Latest Divided Flock Reports and The New 1953 Hy-Line Chick Catalog Or Write Direct for Free Copy



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All Around!

TOP BACK FRONT SIDES



ONLY AN **AUTOMATIC TRACTORKAB**
GIVES YOU ALL FIVE:

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- Insulated steel sides and roof.
- Windows set in rubber to fit tightly, prevent chatter and cracking.
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Automatic Tractorkabs fit over 125 different tractors. Canvas front fits snugly around engine for warmth. Heavy canvas curtain closes back of cab. Both front and back canvas are quickly removed so you can use your cab in summer.

When you inquire about an Automatic Tractorkab be sure to state make and model of tractor.

See your farm equipment dealer **TODAY** or write to us for literature and prices on all of these Automatic products:

TRACTORKAB • CATTLE OILER • HI-JAC
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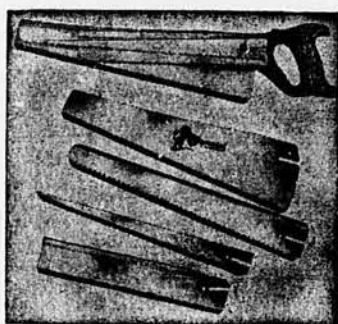
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5-IN-1 SAW SET Complete, \$4.95



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- 16" panel saw—for home repairs.
- 16" hacksaw blade—to cut through nails.
- 16" heavy duty blade—for firewood.
- 14" keyhole blade—for tight corners.
- 12" dovetail blade—for knife like cuts.

All blades nest together as one unit for ease in carrying and storage. Useful for around the house work, and hobbyists. Send \$4.95 to:

RUSSELL SALES CO.
P. O. Box 3
Shelbyville, Tenn.

Agriculture Will Have Wide Representation in New Administration

By CLIF STRATTON, Kansas Farmer's National Affairs Editor

AGRICULTURE comes closer to having national representation in top posts in Washington than for many years: The Eisenhower Secretary of Agriculture is to be Ezra T. Benson of Utah (West); Representative Clifford Hope of Kansas (Mid-Continent) is slated for chairman of the House Agriculture Committee; and Senator George D. Aiken of Vermont (East) is to be chairman of the Senate Committee on Agriculture and Forestry. Chances are the undersecretary will be from some Southern state.

Appointment of Benson, which came as a surprise to Washington observers generally, is well received in both political and farm circles. Altho Representative Edwin Cooley, of North Carolina, present chairman of the House Committee on Agriculture and ranking minority member of the committee in the next Congress (presuming that the Republicans organize the House), seems stand-offish. Cooley fears Benson may favor the sliding scale farm price support formula, rather than the high percentage fixed-price supports.

Among national farm organizations, the American Farm Bureau, the National Grange, and the Council of Farmer Cooperatives undoubtedly view the Benson appointment to the Cabinet with more favor than the Farmers Union. James G. Patton, national head of the Farmers Union, and the present Secretary of Agriculture, see eye-to-eye on farm policies and programs. Many features of the so-called Brannan Plan were identical with, or ran parallel to, policies advocated by Patton. Except that Patton pioneered further than Brannan in advocating that farmers practically be put on the Federal payroll thru a guaranteed share of the national income.

Benson was executive secretary of the National Council of Farmer Cooperatives, with headquarters in Washington, from 1939 thru most of 1943. He resigned that post to serve on the Quorum of Twelve Apostles (Latter Day Saints, more commonly known as the Mormon Church) in late 1943. He is listed in Who's Who as a marketing specialist; is expected to place more emphasis on farm marketing than on increased production in his administration of the Secretary's office. Incidentally, Ezra Taft Benson—a distant relative of Senator Taft—appears to be about the only Taft-recommended candidate to make the grade for a Cabinet appointment. During his years in Washington, Benson won the respect and liking of most of those who came in contact with him. He was retained on the executive board of the Cooperative Council when he resigned as executive secretary.

President-designate Eisenhower—technically he is not President-elect until after the electoral college ballots are counted—is getting some top business and professional men of the Nation into his cabinet. He evidently expects the Cabinet to function along the lines of a military general staff. Lyle C. Wilson, Kansas-born head of the United Press Washington Bureau, summed it up well when he wrote that "Eisenhower's choices for high office so far indicate he seeks what is known around town as a 'strong cabinet' which will have much to do with making administration policy."

Take his choice for Secretary of Defense: Charles E. Wilson, president of General Motors, the world's biggest corporation, who gives up the top executive job that paid him \$566,200 in salary and bonus last year, to take a Cabinet post that pays \$22,500—probably be raised next Congress.

Last year General Motors did a business of 7½ billion dollars. During the war and under the rearmament pro-



EZRA TAFT BENSON

gram it collected some 12 billion dollars on government contracts. That is big business but Department of Defense is much bigger business. It is spending 49.8 billion dollars this fiscal year, an estimated 52.4 billion dollars next fiscal year. As GM president, Wilson's job was to make profits; as Secretary of Defense his job is to spend money; cut costs. Incidentally, Ike made a shrewd move when he named an outstanding civilian executive for the Defense post; he does not intend to have his administration called "militaristic." Wilson of GM is classed as a realistic conservative, in business and in politics.

George M. Humphrey of Ohio, secretary of the Treasury, is another industrialist, head of the M. A. Hanna company, founded and named for Senator Mark Hanna, who was the power behind the administrations of President William McKinley. Hanna was a sound money (gold standard) man; held the GOP firm in line when the "Me-Too" Republicans of the Nineties wanted to outdo William Jennings Bryan and the Greenbackers in promising "soft" money. Humphrey is regarded as a conservative.

Herbert Brownell, Jr., of New York, attorney general, has been Governor Tom Dewey's right hand in national politics, probably as conservative as Dewey.

Governor Douglas McKay of Oregon, Secretary of the Interior, said to be not the Wayne Morse type, but probably a strong "public power" advocate, perhaps along the line of Governor Val Peterson of Nebraska.

Republican National Chairman Arthur Summerfield of Michigan, Postmaster General. Another General Motors man. The PMG post is regarded as the political post in the Cabinet, altho Charles F. Brannan never quite agreed with that view.

John Foster Dulles, Secretary of State, may turn out to be Eisenhower's most controversial Cabinet appointment. Dulles has been closely associated with the Truman-Acheson foreign policies—but European governments fear he has become "too Asia-minded."

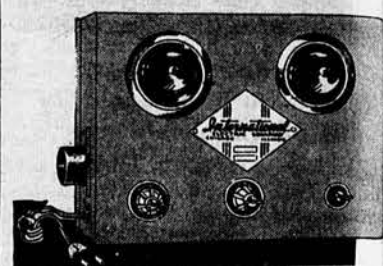
On the whole, Cabinet appointments have been well received, altho with the exception of Benson they reflect more of the Dewey-Lodge than of the Taft thinking in the GOP. There is some talk that Dewey may come into the Cabinet after his present term as governor of New York expires. Senator Lodge (Mass.) is understood to be in line for a place as Ambassador-at-Large, somewhat like Harry Hopkins was to President F. D. Roosevelt.

A general reorganization of the Department of Agriculture is scheduled (Continued on Page 31)

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Nagging backache, loss of pep and energy, head aches and dizziness may be due to slowdown of kidney function. Doctors say good kidney function is very important to good health. When some everyday condition, such as stress and strain, cause this important function to slow down, many folk suffer nagging backache—feel miserable. Mind bladder irritations due to cold or wrong diet may cause getting up nights or frequent passages. Don't neglect your kidneys if these conditions bother you. Try Doan's Pills—a mild diuretic. Use successfully by millions for over 50 years. It's amazing how many times Doan's give happy relief from these discomforts—help the 15 miles of kidney tube and filters flush out waste. Get Doan's Pills today.

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

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

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Get full information on
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Hastings, Nebraska—Manufacturers

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Arch over beaters lets heaped load feed evenly—
12 blades spread 10 ft. wide. No drop through.
Safety chain tightener stops breaks. Other features.
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Eliminate pump systems, shoveling, raking, and choked feed tables. Can be used with ordinary farm wagon or truck.
ONE-MAN OPERATION—JUST DRIVE UNDER TUBE AND UNLOAD. Write for details.
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SENECA, KANSAS

between now and April 1, in the main phases.

It is expected a Marketing Administration is to succeed the present Production and Marketing Administration. Most of the career men in PMA are marketing men anyway; and the new Secretary, Benson, lists himself as a marketing specialist.

This probably means the conservation payment program will be placed in Soil Conservation Service at the Washington level; Extension Service to direct work in the states, have charge of CSC fieldmen. Work will be done thru soil conservation districts; where these not organized, on a county basis.

If Eisenhower is assured the present reorganization act, which expires April 1, will be extended or renewed by Congress, the reorganization might proceed more slowly. The reorganization act gives the President broad powers to reorganize departments and agencies, override existing organization laws, unless one branch of Congress votes down a reorganization proposal within 60 days.

It is explained the reorganization Eisenhower's farm advisors have in mind will not make the Extension an action agency—which the land grant college heads mostly do not want—but it will direct soil conservation work and, according to Wayne Darrow's *Washington Farmlatter* "have a powerful advisory voice in other programs."

Marketing Viewpoint

LEONARD W. SCHRUBEN, Feed Grains
DALE ERLEWINE, Livestock

What is the relative advantage of buying corn this year compared with grain sorghum?—F. B.

Currently corn is the cheapest livestock feed if we use Kansas City prices for comparison. Recently No. 2 mixed corn has been selling for \$1.60 per bushel in Kansas City. No. 2 milo has been selling for about \$3 per hundredweight. Relative feeding values vary, of course, with quality of grain and kind of livestock being fed. If you are feeding dairy cattle or fattening lambs and corn is selling for \$1.60 per bushel, you can afford to pay about \$2.85 per hundredweight for milo. If milo sells for more than \$2.85, corn is the best buy. If less than this figure, then milo is the best buy. If fattening beef cattle and hogs, milo is worth about \$2.65.

You should keep in mind these prices are basis Kansas City. Relative prices vary from time to time in each locality. It pays to check feed grain prices whenever you buy. A year ago, grain sorghums were the best feed buy and were underpriced in Kansas City about the same amount as they are overpriced this year.

Would it be more profitable for me to sell my 200-pound hogs now or wait until they weigh 240 to 250 pounds? I have adequate feed available.—J. H. D.

Your question hinges upon what hog prices are expected to do within 30 to 40 days from now. At present a price of \$16.50 per hundredweight could be expected for a 200-pound hog. Some seasonal rise should occur before January 1, 1953, so perhaps an expected price of \$17 per hundredweight would not be out of line for that date.

I will attempt to show with a hypothetical example how to arrive at a solution to your problem. You will no doubt want to substitute your own prices and ration if they differ from the example. The present price of your hog would be \$33 (\$16.50 x 200 lbs.). In order to determine how much the animal will be worth to you at 250 pounds we must determine the cost of feed and other expenses incurred in carrying the animal the additional 30 to 40 days.

A normal feed cost of about \$7.14 could be expected to put on the additional 50 pounds. (4 bu. corn @ \$1.80 and 20 lb. protein supplement @ .037).

Usually a 25 per cent charge above feed costs should be made in order to cover labor and other costs. This would be an additional \$1.79. You would then have about \$41.93 invested when the hog weighed 250 pounds. (\$33 + \$7.14 + \$1.79.)

An expected January 1 price of \$17 per hundredweight as given would give a return of \$42.50 for the 250-pound hog. This would give a favorable margin of about \$.57 per animal. For the example as given it would appear doubtful whether any appreciable profit could be made by feeding the hogs to the heavier weight.

It must be remembered your individual situation should be substituted for this hypothetical example if it differs materially. Also, that the future price for 250-pound hogs may be different than the one mentioned here. Further computations may have to be made at an intermediate weight between 200 and 250 pounds in light of price developments.

Storage Tip

Keep your sheets of sandpaper in an old phonograph album. The different grades of sandpaper may be seen thru the hole in the center.—R. M.

Did You See the
BRODJET AD
on page 16?

Western Land Roller
CENTRIFUGAL and TURBINE PUMPS FOR IRRIGATION

AVAILABLE WITH Direct Connected Electric Motor, Flat or V-Belt Drive or Right-Angle Gear Drive

ANY CAPACITY
300 TO 2500 GALLONS PER MINUTE, AND ANY LIFT FROM 10 TO 300 FEET

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HASTINGS, NEBRASKA

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1463 Barwise, Wichita, Kansas

Tell me how I can own a "Red & White" Top Silo for only \$38.00 down. Size: _____

Also send me literature on a Dodson Cattle Shed ☐ Dairy Barn ☐

Name _____

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A THOUSAND YEARS FROM NOW

Friends, a thousand years from now people will continue to greet each other with these two simple words: "Merry Christmas." That's because the spirit of Christmas is eternal; its spiritual quality is above and beyond disasters that shake the souls of men; above international situations that keep one's nerves on jittery edge; above sickness, worry, poverty and failure. Yes, friends, the spirit of Christmas never dies, so our sincere wish is that your hearts overflow with the spirit of Christmas. Good wishes to every one of you and a Happy New Year to the whole world: "Peace on earth, good will towards men."



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Simple rules to follow in doing winter concrete work on the farm are explained in detail in a free illustrated folder.

If you need help, see your concrete contractor, ready-mixed concrete producer or building material dealer.

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Send free folder on how to do winter concrete work.

Name.....

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City.....State.....

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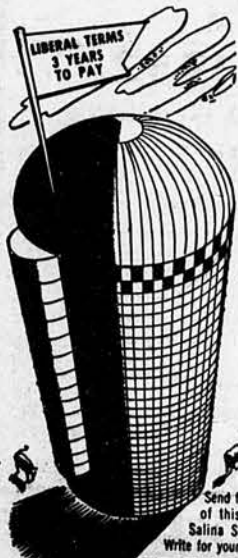
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Prepare now to make extra profits by feeding silage next winter. Save all you raise! A SALINA SILO pays for itself in a few short season's use. Write for facts today!

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Weights and Measures Group Elects Kansan

A Kansan is listed among new officers of the Southern Weights and Measures Association at their 7th annual conference, at Topeka, November 11 to 13. He is Paul Wempe, Seneca, member of Kansas State Board of Agriculture's weights and measures section, re-elected to board of directors.

J. Fred True, Topeka, is retiring president of the association, made up of representatives of 18 states. He is Kansas state sealer with the State Board of Agriculture. About 200 persons attended the event.

Developing sales of foods by weight is spreading over America and is a more fair method for consumers, said J. W. Reese, supervisor of division of weights and measures, Iowa Department of Agriculture.

New legislation is making a more equitable arrangement between consumer and distributor in LP-gas deliveries by better measurement methods, said R. C. Tanner, secretary of Kansas LP Gas Association, Wichita. He said more efficient meters are being devised by LP-gas engineers.

Official U. S. greetings were brought to the group by W. S. Bussey, chief of Office of Weights and Measures, National Bureau of Standards, Washington, D. C.

Newly-elected officers of the association include: John Mays, Florida, president; George Leithaus, Maryland, vice-president; Carl H. Stander, South Carolina, and C. D. Baucom, North Carolina, historian.

Dighton Fly-in Was Popular Event

Kansas and Colorado Flying Farmers were guests at Dighton, November 1 and 2, for a full-scheduled week end of entertainment. Fly-in time was 10 a. m. Saturday morning. The event was made possible by co-operation and courtesy of the Dighton Chamber of Commerce. About 200 persons attended the event.

Highlights of the noon meal, November 1, were aerial pictures taken by Life Magazine photographers and an acrobatic air show performed in a Piper Vagabond by Mrs. Phila Kintigh, Rexford grandmother who has been flying 5 years. At the Dighton fairgrounds, 40 members of "Dudes and Dames" from Dighton and "Indian Hill Club" from Ness City presented a horse show. Naval planes from the Olathe Naval Base also presented an air show. A helicopter demonstration was sponsored by operators from Ft. Sill, Okla. Following a banquet on Saturday evening, program of dancing and talent numbers was given at the 4-H building.

A short business meeting was conducted at the event by the Kansas Flying Farmers Association. President is Clarence Wilkins, Lorraine.

Enrich Farm With Well-Handled Manure

There's hidden fertility in manure that will enrich your farm. An average dairy cow produces 12.5 to 15 tons of manure a year. Nitrogen, phosphorus and potassium in that much manure is worth about \$30. A ton of manure from the average dairy herd contains about 500 pounds of organic matter, 10 pounds of nitrogen, 2 pounds of phosphorus and 8 pounds of potassium.

There are 2 costly errors made in handling manure, according to University of Illinois—leaving manure out in loose piles where air can circulate thru it and letting liquid manure go to waste. Stalls could have a drain leading to underground storage tanks. Rain seeps thru exposed piles of manure and carries away phosphorus and potassium, and much nitrogen and organic matter also is lost. Manure should be stored in a watertight pit if it is not possible to haul it to the field each day from a stanchion barn.

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KANSAS FARMER Classified Advertising

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Names and addresses are part of ad, thus are billed at per-word rate.

Livestock Ads Not Sold on a Per-Word Basis

DISPLAY RATE

Column Inches	Cost Per Issue	Column Inches	Cost Per Issue
1/2	\$4.90	2	\$19.60
1	\$9.80	3	\$29.40

Cuts are permitted only in Poultry, Baby Chicks, Livestock and Pet Stock Ads.
Write for special display requirements.

Kansas Farmer, Topeka, Kan.

BABY CHICKS

DeForest Blueblood Chicks, broiler and egg breeds and crosses. Hatching year around. Broad-breasted Bronze, Beltsville White Poults. Guaranteed livability. DeForest Hatcheries, Box E, Peabody, Kan.

Raise Hy-Line Hybrid Chicks in 1955. Get more eggs with less feed cost per dozen. 55 farmers conducted feed tests between Hy-Lines and other chickens in 1951-52. These farmers reported: Hy-Lines cut feed costs from \$1.87 to \$2.63 per case of eggs laid. In egg production 417 farmers reported that Hy-Lines averaged 4,090 more eggs per 100 birds housed than their other chickens. Take advantage of Hy-Lines' greater profit opportunities. Send today for latest releasing offer on 1955 Hy-Line Chick orders placed this month. Free catalog. Write today. Coombs & Son, Box 6, Sedgwick, Kan.

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Wire Winder. Roll and unroll barbed wire with tractor power and speed. Low cost. Free literature. Midwest Wire, Dept. 28, South St. Paul, Minn.

Gigantic Surplus equipment sale. Amazing bargains. Savings to 70%. Farm engines, A-C generators, winches, telephones, air compressors, paint spray outfits, weed spray outfits, water pumps, electric saws-drills, welders, chain saws, battery chargers, binoculars, contour levels, etc. Freight prepaid. Rush card, sale catalog. Burden Sales Company, 877 "O" Street, Lincoln, Neb.

Hedge Posts—All kinds, any amount. R. H. Murray, Pomona, Kan. Phone 33.

Do You Know the Advantages of Electric Fencing? Do you know the famous International Electric 106 weed chopper will not short out by weeds? Free information is available by writing International Fencer Co., Inc., 1105 W. Chicago Avenue, Chicago, Ill.

MACHINEERY AND PARTS

Post Hole Digger—Belt Driven Rapiddigger—For Ferguson or Ford. Users say finest job all soils. Save labor and time. Just \$140. Guaranteed performer. Write for information. Rapiddigger, 4605 Lowell, Lincoln, Neb.

Garden Tractors \$127.00 New McLean, plowing, tilling, sickle mowing, lawn mowing. Universal Mfg. Co., 324 West Tenth, Indianapolis 2, Ind.

One-way and Disc Grinder. Can be used in the shop, yard or while machine is discing in the field. No dismantling. Cheap, simple and easy to operate. Write for circular. Hyatt Mfg. Co., Kimball, Neb.

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960 Acres Level Farm Land, Lincoln county, Colo. 480 acres in growing wheat. Small improvements, REA, good well. \$40.00 per acre, some terms. A. V. Snodgrass, Hugo, Colo.

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60-lb. Can FOB **\$9.90**

Extracted—Pure as bees can make it.
60-lb. Can Clover, FOB.....\$12.00
12-lb. Can Clover (Postpaid to 600 mi.).....\$3.50
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Order Promptly—Supply Limited
HAHN APIARIES, 1715 Lane St., Topeka, Kan.

Delicious. New Ribbon Cane Syrup. No. 10 Can \$2.00. Sigler, Fullerton, La.

Frozen Fish Fillets: Cello wrapped. 1 lb. packages. 15 lbs. Catfish Fillets, \$5.50; 15 lbs. Canadian Bass Fillets, \$4.50; 10 lbs. Pike Fillets, \$2.50; 10 lbs. Perch Fillets, \$3.00. 50 lbs. \$15.50; 100 lbs., \$29.50. Write for complete price list. Green Bay Fish Co., Box 565, Green Bay Wis.

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Free Book—Piles, Fistula, Colon-Stomach, associated conditions. Latest methods. Thornton & Minor Hospital, Suite C1206, Kansas City 3, Mo.

FEATHERS WANTED

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

New Goose and Duck Feathers. Fifty-two years of fair dealings assure you best outlet for your new feathers. Will quote top prices and send shipping tags on request. Columbia Bedding Company, Dept. KF, 1750 No. Wolcott Avenue, Chicago 22, Ill.

WANTED TO BUY

Wanted. Fox Terrier Puppies. Box R, Stafford, Kan.

Popecorn Wanted—100,000 pounds. Will pick up at crib. Ralph Townsend, Box 256, Atchison, Kan. Phone 188.

BUSINESS OPPORTUNITIES

Earthworm Raising Pays worthwhile profits! Illustrated 24-page booklet explains raising, feeding, packing, marketing. 25c. Ozark Worm Farm-O, Willow Springs, Mo.

OF INTEREST TO WOMEN

Read Capper's Weekly and receive a gift. It's the most interesting and informative weekly newspaper you have ever seen. Write Capper's Weekly for details. Circulation Department K, Topeka, Kansas.

Stainless Steel. 18-8 Vaporseal one quart sauce pan \$6.49; two quarts \$7.49; three \$8.49; six \$13.49; 12 1/2 \$18.50. Pressure cooker, 8-cup percolators \$13.50. Kettles. Major Co., 71 Milford St., Springfield, Mass.

Thrilling, Profitable Home Business. Make fast-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.

Laces, 5c Yard, any amount. Massa, 5303 Blvd. East, West New York, New Jersey.

OF INTEREST TO ALL

Save Chicken Feed! Don't feed the sparrows high priced chicken-feed. My homemade trap guaranteed to catch them by the dozens. Easy to make. Plans 10c and stamp. Sparrowman. 1718 Lane. Topeka, Kan.

Quality Gifts. Send no money. Will bill later. Home Bingo G. Ye, \$2.70. Baseball game \$2.25. Postpaid. Price list free. Robert Warren, 4341 Meade, Chicago 34, Ill.

Marionettes, Live Action, Television type. They walk, talk, sing, dance. Dressed in colorful cloth cowboy costume, mouth opens and closes, approximately 17" tall. Made of indestructible plastic. Youngsters will go wild about them. Specially priced, \$2.85. Charlins, Box 171, Kansas City, Mo.

Outdoor Toilets, Septic Tanks, Cesspools cleaned without digging. Details free. Solvex, Monticello 6, Ia.

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3 Out of 4 of Your Neighbors and Farmers all over the State Read

KANSAS FARMER

Your Classified Ad Will Get

RESULTS!

Story of the Osage Orange



ported a compound occurs in the fruit which is effective in preventing rancidity in fats. Dr. John Clopton, University of Colorado, also demonstrated seeds contain an edible oil, reports USDA Forest Service. The fruit contains 80 per cent water and 20 per cent pulp. Ten per cent of pulp has definite antioxidant properties. A search is underway for new and better antioxidant to increase shelf life of vegetable and animal fats and products containing them. Doctor Clopton has reported 100 trees an acre could be grown as an orchard crop. This would yield 50,000 pounds of fruit (or 10,000 pounds of dried pulp) yielding 1,000 pounds of antioxidant. This would preserve 2,000,000 pounds of lard!

WHEN THE LEAVES of the Osage Orange get as big as rabbit ears "it's time to plant your corn." Have you heard this old saying about one of Kansas' most unusual farm trees?

Ever since pioneer days in the state, Osage Orange has been planted for hedges, windbreaks or for fence posts. The Indians made bows and war clubs from the hard wood. Today, archery bows still are made from Osage Orange. And a coloring substance in the wood is used for dyeing textiles. In windbreaks, the small tree is best used as a border shrub row next to hardwoods. Still used for hedges and fence rows, Osage Orange provides excellent protection for quail and other wildlife. Since it's so hardy and drought-resistant, the tree is widely adapted in almost every part of the United States.

A native of Arkansas, Oklahoma, Louisiana and Texas, Osage Orange was introduced in many Midwest areas by Jonathan Turner, outstanding Illinois farmer of the 1850's. He brought it from the Ozark mountains to be used as a hedge plant and for fence posts. On the unbroken prairie land, the tree was excellent for providing wind protection to feed lots, still does. Generally, insects and diseases don't affect Osage Orange.

This unusual tree has been known as bow wood, fustic wood, bodock, bois d'arc, mockorange and wild orange. The hedge balls (greenish-yellow balls that mature and turn brownish in autumn, and have a milky juice) are well-known to Kansans. It's been demonstrated dried fruit of Osage Orange, fig and papaya is a satisfactory food for cattle. Swift & Company received a patent in 1948, covering process of tenderizing meat and sausage casings by means of protein-splitting enzymes found in fruit juices of the 3 named crops.

With an excellent reputation already in several fields, Osage Orange is breaking into the chemical field. It's re-

A quart of seed will produce at least 5,000 plants! In 1911, total Osage Orange stand and production in U. S. was 200,000,000 board feet. Today, it's about 30,000,000 board feet. A 1940 survey showed Kansas farmers were using about 2,000,000 Osage Orange fence posts per year. At present, thousands of miles of single-row shelter belts (once there were 40,000 miles) are composed of Osage Orange. Many are being torn out and killed because of tendency to reach out long distances to get moisture from adjacent fields. However, there's the advantage of lifting wind above the fields and of holding drifting snow on fields.

Osage Orange ranks at the top as fence posts. After 50 years of service, some posts still are used in Kansas! Wood cannot be outclassed by any native wood. Other uses of Osage Orange—insulation pins, wagon rims, railroad ties, house blocks, bridge pilings, dyes for khaki uniforms. Leaves have been successfully substituted for mulberry leaves in feeding silkworms.

Flowers producing pollen are borne upon one tree while flowers producing fruits are borne upon another.

While many farmers intensely dislike Osage Orange, others are inclined to wonder what results would be if all hedge rows were removed! Also, each year about a million out of 17 million fence posts set in Kansas are Osage Orange.

Wins Swift Contest

Winner of Swift's Essay Contest at Kansas State College this year for agriculture students is William S. Snelling, Topeka, poultry student. He received a trip to the International Livestock Exposition, Chicago, as a prize. He won in a group of 82 essays. While in Chicago he attended a marketing school conducted by the donor of the prize.

ANNOUNCE BETTER HIGHWAYS CONTEST

For best ideas to improve America's highways, General Motors Corporation is offering \$194,000 in cash awards in an essay contest.

Largest kind of a contest ever attempted, goal is to stimulate more nation-wide thinking, discussion and understanding of the facts of our current highway requirements. Known as the General Motors Better Highways Awards, competition is open to anyone, except contest judges and their immediate families. Entries will be judged for originality, sincerity and practical adaptability.

Prizes include: \$25,000 first place national award; \$10,000 second place national award; \$5,000 third place national award; \$3,000 each for 3 national honorable mentions. There are 9 awards of \$2,500 each for best essays submitted from 9 regional areas of the country. First place winners in each of 48 states plus District of Columbia receive \$1,500 each. Two honorable mention awards for each state and the District will be \$500 each.

Subject of essay: "How to Plan and Pay for the Safe and Adequate Roads We Need." Contest opened November 11 and closes March 1. Entry blanks are available at any General Motors car or truck dealer, or write to General Motors Building, Detroit 2, Mich.

December 20 Will Be Our Next Issue

Ads for the Classified and Livestock Section must be in our hands by **Friday, December 12**. If your ad is late, send it in Special Delivery to 912 Kansas Ave. Kansas Farmer, Topeka, Kan.

• AUCTIONEERS •



HAROLD TONN
Auctioneer and
Complete
Sales Service
Write, phone or wire
Haven, Kansas

BERT POWELL

AUCTIONEER
LIVESTOCK AND REAL ESTATE
1529 Plaza Avenue Topeka, Kan.

Livestock Advertising Rates

Effective February 1, 1951

1/4 Column inch (5 lines) ... \$3.50 per issue
1 Column inch \$9.80 per issue
The ad costing \$3.50 is the smallest accepted.

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

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

HOGS

POLAND CHINA BOARS

And Open or Bred Gilts, Tops out of 230 head. Priced reasonable. Meat type—clean—trim—sound qualities. Priced reasonable. Write: **BAUER BROS., Gladstone, Nebraska** (Just over the line in Nebraska.)

DUROC BOARS PRICED RIGHT
We still have service-age boars sired by The 49er and Star Velvet. Priced reasonable. Inquire of **EARL MARTIN & SON, DeKalb, Mo.**

Minnesota No. 1 Boars For Sale

Ready for immediate service. These wonderful new meat type boars are ideal for crossing on your present stock. This herd is all registered. Also Minnesota No. 2 and Montana No. 1 boars and gilts. Satisfaction guaranteed.
DAVID R. MILLER, SMITHVILLE, MO.

SHEEP

POSTPONED SALE

Registered Hampshire & Southdown Sheep Sale

at the fairgrounds

Hutchinson, Kansas

December 8, 1952

Sale at 1:00 P. M.

54 Head Hampshire Ewes and Rams

12 Southdown Ewes and Rams

Harold Tonn, Auctioneer

ROY F. GILLMORE

PEABODY, KANSAS, ROUTE 3

Dual-Purpose CATTLE

RED POLLS

Offering for sale: One yearling bull, open or bred heifers. Spring calves either sex.
W. E. ROSS & SON, Smith Center, Kan.

REG. RED POLLED BULLS

Quality Yearlings. Priced reasonable.
WM. WIESE, Haven, Kan.

FOR SALE—HERD SIRE

Reg. Milking Shorthorn
5 years old, Adbeth breeding. Large, red, gentle. Classified Very Good.
LESLIE & LESLIE, Goff, Kansas

3 RED REG. MILKING SHORTHORN BULLS
One 16 mo. old and two 13 mo. Some Retnuh and Neralcam breeding. Also some females.
ELMER KNACKSTEDT, Inman, Kansas
2 miles north 1 1/4 miles west.

Dairy CATTLE

ROTHERWOOD JERSEYS

A Very Typee 2-year-old Bull
His sire, Observers Remus Rex, whose 30 half sisters average over 700 lbs. fat in 305 day tests. His dam will be ton-of-gold in 1953 and is classified Very Good. Ready for heavy service. Price and pedigree on request.
Hutchinson, Kansas
JOHN C. OSWALD A. LEWIS OSWALD

AYRSHIRES

MOST PROFITABLE COWS

4% MILK
Big-Milkers Hardy Rustlers
Good Grazers Perfect Udders
Write for Booklets and List of
Breeders near you with Stock for sale
Ayrshire Breeders' Association
260 Center St., Brandon, Vt.

Holstein Dairy Herd Sale

Tues., Dec. 9

at the farm 1 1/2 miles
west and 1/2 mile south of
Muscotah, Kan.

38 HEAD

23 Cows fresh or will
freshen soon. 10 Bred
Heifers, some to freshen
soon. 3 Yearling Heifers.
1 Bull Calf. Selling our herd sire Dandel.
Harmony Homestead King, a first prize calf
at the American Royal in 1950. (The above
cattle are from registered bulls and high
grade dams and are bred to the herd sire.
They will have Tb. and Bang's test by date
of sale. Dairy equipment consisting of a 2-
unit Surge milker complete, electric cream
separator, steel stanchions, milk cans and
pails. Also 3 full line of farm equipment in-
cluding 2 Farmall tractors, combine, grain
drill and all necessary farm equipment.

CLARENCE W. KIEFER, Owner
Mike Wilson, Auctioneer

WISCONSIN DAIRY CATTLE

Choice Holstein, Guernsey and Brown Swiss
Calves, Yearlings and Springing Heifers. Deliv-
ered to your farm C.O.D.
Dennis R. Grosse, York, Nebr., Bx. 48, Ph. 1410

NORTHCREST FARMS

Offers service-age Holstein Bulls from classified
dams with D.H.I.A. records up to 750 lbs. B. F.
"Old Billy" "45" and Ormsby breeding. Price
\$200. 12 miles west of Manhattan on No. 24.
WESLEY NAUERTH, Riley, Kansas

Choice 2-Year-Old Bred Box Brand

HEIFERS

Located near Cottonwood Falls, Kan. Write or
call

EVAN KOGER, ROBBINS RANCH
Cottonwood Fall, Kan., Phone 451

REGISTERED GUERNSEYS

Bulls—Cows—Bred Heifers
Open Heifers

RANSON FARM (Franklin County)
P. O. Homewood, Kansas
(Registered Guernseys since 1906.)

HOLSTEIN DISPERSAL SALE

at farm at 1 P. M.

December 11, 1952

13 Purebred and 19 Grades

32 Head

1 Purebred Bull—Stonemark Priburke Jess

Of the 31 cows being sold 27 are now milking. Most were fresh since Sep-
tember 1st and are in heavy production. The remaining 4 cows will be
fresh in December or January. Some cows have D.H.I.A. records.

Further information will be given on each animal the day of the sale.
Tb. and Bang's certificates will be furnished with each animal sold. Some
yearling heifers and baby calves will also be sold.

A. R. SARGENT, Owner

Sale to be held at my farm located 4 miles northwest of Manhattan, Kan., or 2 1/4 miles north
of Kansas artificial breeding plant.

Bert Powell, Auctioneer

Farm located on surfaced road, sale will be held under cover in case of bad weather.

Have You Farm Machinery for Sale?

A Classified Ad in KANSAS FARMER will do the Job.

Classified Rate only 10c a word—12 words minimum.

ROWLAND BODDY HEREFORD DISPERSION SALE

Norton Sale Barn

**Norton, Kansas
December 17, 1952**

1:00 P. M. C.S.T.

Freddie Chandler, Auctioneer

Vic Roth, Sale Manager, Box 702, Hays, Kan.



**SELLING
100 HEAD**

**29 Bulls
71 Females**

2 Herd Bulls, HG Royalty 127th and HG Royal Heir 330th.

We purchased these bulls from HG Hereford Farms, Colby, Kan.

13 Bulls, sired by HG Royalty 127th & Husker Lamplighter 67th, serviceable ages.

34 Cows with calves by side, calves sired by HG Royalty 127th and bred to him.

13 Bred Heifers sired by Bright Anxiety 6th and HG Royalty 127th and bred to HG Royal Heir 330th.

8 Open Heifers sired by HG Royalty 127th.

14 Bull Calves sired by HG Royalty 127th.

16 Heifer calves sired by HG Royalty 127th.

These cattle will sell in good pasture condition.

The 34 Cows are of Mackey Bros., Mousel Bros., Jansonius Bros., H. A. Rogers, and C. K. Mousel breeding.

Mike Wilson for Kansas Farmer

NOTICE OF POSTPONEMENT

Due to the recent snowstorm the Frank Matheson-Jake Reich & Son Polled and Horned Hereford Sale, to have been November 25 will be

DECEMBER 18th

at the sale barn in

NATOMA, KANSAS

Selling 60 HEAD—25 Bulls, 35 Females

For information and further details contact

VIC ROTH, Sale Manager, Box 702, Hays, Kan.

Freddie Chandler, Auctioneer

Mike Wilson for Kansas Farmer



ABERDEEN-ANGUS Purebred & Commercial Sale



December 8, 1952

Dodge City, Kansas

**Selling 250 Reg. Females
and 500 Reg. Bulls**

**More than 1,000 Commercial
Calves, Yearlings and Cows**

For sale information contact:

CHESTER I. BARE, Sale Manager, Protection, Kan.

Sale sponsored by the

KANSAS ABERDEEN-ANGUS BREEDERS' ASSOCIATION

Mike Wilson for Kansas Farmer

REG. ANGUS BULLS

8 outstanding, coming 2 yrs. Sons of Ever Bar.
ALBERT GORECKI, Washington, Kansas

REGISTERED ANGUS BULL

Two year old, Erica and Bandoller breeding.
Outstanding individual.
E. RAIFER, St. Louis, Kansas

Appoint New Laboratory Director



Marvin L. Schreiber

Appointed director of laboratories for the Kansas State Board of Agriculture is Marvin L. Schreiber, formerly principal chemist for State Board of Health.

In his new position Mr. Schreiber will supervise testing of dairy products, commercial feeding stuffs, commercial fertilizers, agricultural chemicals and livestock remedies. These services previously were performed for the board by the chemistry department of Kansas State College and by other laboratories.

The new director of laboratories is a Kansas University graduate and received a master's degree in chemistry from Kansas State College in 1944. He was chemist for Kansas Agricultural Experiment Station and chief chemist for W. J. Small Co., Kansas City, before joining the State Board of Health.

Study Beef

Cattle Parasites

Research on parasites of beef cattle has been started this fall at Kansas State College, financed by Lederle Laboratories division of the American Cyanamid Company. Thirty-six hundred dollars have been made available for the first year of the study, and the company has indicated it will underwrite the study 5 years or longer.

Money will be used to study worms, tapeworms and other endoparasites of beef cattle.

Flying Farmers Give

New Scholarship

Kansas Flying Farmers Association national headquarters at Wichita announce a new \$250 scholarship for farm boys. Winner will be taught to fly, information which can help him in modern agricultural life of future. Each year a winner will be selected from state nominees 16 to 21 years old.

Loans Available

On Stored Wheat

Wheat stored on farms or in approved warehouses is eligible for Commodity Credit Corporation loans or purchase agreements thru January 31.

Wendell Becraft, chairman of the state PMA committee, points out farmers who do not want an immediate cash return from their crop—available under a CCC loan—still can get price protection thru a purchase agreement.

Small Paint Cups

I save crimped paper caps from milk bottles to use when doing stencil painting. In them I mix small amounts of different colored paints. Set each cap in a compartment of an empty egg carton. When thru painting I throw away the caps.—M. O.



In the Field

MIKE WILSON

**TOPEKA, KANSAS
Livestock Editor**

E. D. HERSHBERGER, Newton, is owner Hershberger Laddie's Jessica, registered Guernsey cow who has completed an official test with American Guernsey Cattle Club. Her production was 6,871 pounds milk and 409 pounds butterfat. Jessica was a senior 3-year-old and was milked 630 times during her record. She daughter of the famous Guernsey sire, Mend Lodge King's Laddie, who has 34 sons and daughters in the performance register of the Club.

J. L. EARLY, Carl Junction, Mo., dispersed his registered Shorthorn herd at his farm near Carl Junction on November 15. An ideal day, good crowd from several states, with an average of \$491 on 38 lots, made it a good sale. This female lots, which included 8 calves at for average \$470; 8 bulls averaged \$568. Buyers bought Shorthorns in this sale from Kansas, Missouri, Nebraska, Ohio and Wyoming. The bull, at \$1,500, was Lot 1, an imported in the bull that was bred by W. A. McGregor, Wh horn, Wigtownshire, Scotland. This 2-year-old bull was a son of Cruggleton Elvin and was purchased by C. A. Slevers, Cincinnati, O. Lot 2, \$595. Lot 4 bull, at \$500 went to A. J. Browne Mitchell, Nebr. Top female at \$1,000, was daughter of Strowold Favorite Count and bred to Uppermill Lochter. Buyer was A. A. Slemman, Tonganoxie. High-selling open heifer went to L. S. Berry, Neosho, Mo. Price paid was \$330. About one fourth of the offering went to Kansas buyers. Mervin F. Aegerter, Seward, was sales manager. C. D. Swaffar, auctioneer, assisted by press representatives, conducted the sale.

THESE REGISTERED HOLSTEIN-FRIESIAN cows in Kansas recently completed production records with the Holstein-Friesian Association of America:

Lilacvalley Burke Dixie—Owned by Wallace J. Beckner, Belle Plaine—519 pounds butterfat, 14,163 pounds milk, 365 days, 2 milkings daily. Smoky Valley Carnation Pride—W. G. Birch & Sons, Ellsworth—504 pounds butterfat, 12,444 pounds 4.1 per cent milk, 313 days, 2 milkings daily.

Regier Tidy Tulip—E. B. Regier, Whitewater—478 pounds butterfat, 14,010 pounds milk, 365 days, 2 milkings daily.

Villisca Perfection Judy—J. W. Carlin, Smolan—594 pounds butterfat, 16,474 pounds milk, 354 days, 2 milkings daily.

Smoky Hill Clyde Hyacinth Hilda—H. A. Mele Abilene—548 pounds butterfat, 16,973 pounds milk, 351 days, 2 milkings daily. Smoky Hill Clyde Alma Arleen, 525 pounds butterfat, 14,617 pounds milk, 304 days, 2 milkings daily.

Shetlar Fobes Inda—Luther Shetlar, Conway Springs—540 pounds butterfat, 16,291 pounds milk, 365 days, 2 milkings daily.

A registered Guernsey cow, Lola's Lois C. D., owned by J. L. NELSON, Wichita, has completed an official Advanced Registry record of 10,996 pounds of milk and 684 pounds of butterfat on twice daily milking for a 10-month period, starting her record as a junior 2-year-old. "Lois" is the daughter of the outstanding Guernsey sire, St. Albans Actor Grande, who has 22 sons and daughters in the Performance Register of The American Guernsey Cattle Club.

Vansdale Hercules' Charm, owned by KEITH W. VAN HORN, Sabetha, has completed an official Advanced Registry record of 9,793 pounds of milk and 500 pounds of butterfat on twice daily milking for a 10-month period, starting her record as a 7-year-old.

"Charm" is the daughter of the registered Guernsey sire, Skyline Hercules that has daughters in the Performance Register of The American Guernsey Cattle Club.

On November 11, VALLEY VIEW HEREFORD FARM sold 52 head of registered cattle for \$11,915, to make a general average of \$230. Nine bulls averaged \$264; 43 females averaged \$221. Top bull was Lot 1, Proud Mixer 33d; sold at \$500 to Harold J. Graber, Nickerson. Top female was Lot 32, cow and calf combination, at \$340. Miss Worthy 44th sold at \$215 to Harold J. Graber; her bull calf brought \$125 on bid of Nick Williams, Hazelton. Harold Tonn sold the offering.

THE SOLOMON VALLEY HEREFORD SALE was held at Osborne, November 11. Forty-nine lots totaled \$16,410 to make a general average of \$335. Twenty-six bulls averaged \$355; 23 females averaged \$370. Top bull of sale was Lot 2, Princeton Domino, consigned by Armin Mellett Lucas, and purchased by Louis A. Williams of Hunter, for \$1,010. Top female was Lot 53, consigned by Harold Carswell, Alton. She was Lady Tredway 4th; and was purchased by Kase Brothers, Osborne, for \$650. Freddie Chandler sold the offering.

Buyers certainly received their dollar value in the **GOLDEN WILLOW RANCH** Polled Hereford sale at Liberal, Mo., November 21. This was the best offering to sell from this good herd. A large crowd filled the new sales pavilion to capacity. Offering was nicely conditioned and represented the well-known bloodlines of the breed. Everything was done by the owners George K. Brinkman, Pittsburg, and George E. Harmon, Liberal, Mo., to make the crowd comfortable and present the Polled Herefords selling to best advantage. Bidding was exceptionally slow at the opening of sale. The crowd appeared to be appraising the offering in a most conservative manner and the average \$541 on 51 head was lower than Polled Herefords of similar quality and breeding have been selling.

There wasn't too much difference on price paid for bulls and females. Twenty bulls averaged \$564 and 31 females averaged \$527. Only bred and open heifers were sold and no cows with calves were offered. Sale top was \$1,000, on Lot 1.

Beef CATTLE**8th LARRY REGISTERED HEREFORD CALF SALE**

**WED.
DECEMBER
17, 1952**

in the heated sale barn
MINNEAPOLIS, KANSAS
The calves in this sale are all sired
by Dandy Larry D. 48th.

50 LOTS

30 Reg. Bulls — 20 Reg. Heifers

Write for catalog to

B-K Hereford Ranch
LONGFORD, KANSAS
Gene Watson, Auctioneer

REG. HEREFORD BULLS

to 18 months old. Sired by: OJR Jupiter Star
Domino Lad KTO 11th and F. Elation 22.
No range and herd bull prospects.

WAITE BROS., Winfield, Kansas

REGISTERED ANGUS

For sale private treaty: 10 Cows, 17 Heifers,
3 Coming 2-year-old Bulls.
Bred to or sired by a grandson of Interna-
tional Champion Black Prince of Sunbeam.
One six months bull, a grandson of Black
Prince of Sunbeam. All top families. In good
condition, halter broke, calfhood vaccination.

J. K. HAMMOND

P. O. Bldg. Neal, Kansas

**NOW OFFERING YOUNG
ABERDEEN-ANGUS BULLS**

Also Cows and Heifers
HESTNUT & RAILSBACK, Quinter, Kansas

POLLED HEREFORDS

Bulls and heifers 8 to 18 months old.
HARRY RIFFEL & SON, Hope, Kan.

DOUBLE STD. POLLED HEREFORDS
Herd sire, grandson of M P Domino 3rd; 5 Cows
and 5 Heifer calves, ready to wean. 1 16-months-
old Bull, good individual.
Ann J. Biberstein & Son, Ph. 3708, Attica, Kan.

REG. POLLED HEREFORDS

For Sale:



8 to 14 month registered Polled
Hereford bulls. Real Plato
Domino and Worthmore breed-
ing. Reasonably priced.
JOHN N. LUFT
LaCrosse, Kansas

REGISTERED**SHORTHORN BULLS**

Serviceable-age Bulls, heavy boned and
rugged. Grandsons of Calrossie Mercury.
Farmers prices. Also bred and open heifers.

CLARENCE H. RALSTIN
MULLINVILLE, KANSAS

Reg. Beef Shorthorn Bulls

For Sale—Red and Roans. Calves to 20 months
of age. Mercury breeding. Also few heifer calves
suitable for 4-H.
GRANT SEIM, New Cambria, Kansas

SHORTHORN BULLS

12 to 18 months old. Best of breeding. Priced to
sell.
W. A. YOUNG, Clearwater, Kan.

DARK RED SHORTHORN BULL

13 months old, sired by M. V. Prince Peter 15th
by Prince Peter. Dam a full sister to Kansas
Free Fair blue ribbon winner. Farm 2 miles east
and 3 south Miltonvale.
GLEN E. LACY & SON, Miltonvale, Kansas

**FOR SALE
10 RED AND ROAN
Polled Shorthorn Bulls**

Up to 14 months old. They are sired by River-
dale Stamp X, son of the \$5,000 Riverdale X.
My cows carry some of the best bloodlines
of the breed.
W. A. Rosenberger & Son
Greensburg, Kansas

POLLED SHORTHORNS

Established—1907
Banburys 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.

**REGISTERED POLLED
SHORTHORN BULLS**

Grandsons of Gold Gloster, sire of this years
champion at Montgomery, Ala. Well bred, and
well developed. Priced to move.
ELVIN E. BRITT & SON, Abilene, Kan.

25, a bred heifer, daughter of CMR Mischief
Dom. 30th and bred to CMR Advance Domino
39th; was purchased by Homer Carruthers, Jop-
lin. Another bred heifer, also sired by CMR
Mischief Dom. 30th, sold for \$975 to Hamilton
Polled Herefords, Burlington, Colo. Several
head went to this buyer. Top bull, at \$815, a
2-year-old, and sired by the same bull as the 2
high-selling females, went to R. P. Brown, Col-
umbus, O. Second high bull, a January, 1952,
calf, a son of Gold Advance Domino, sold for
\$800 to Mr. and Mrs. Joe Schubert, Baxter
Springs. Five bulls and 8 females came to Kan-
sas. Buyers made selections in this sale from
Kansas, Missouri, Oklahoma, Colorado and Ohio.
Hamilton James, Newton, Ill., was auctioneer.
Press representatives assisted in the ring.

One hundred and six bulls in the **SALINA
REGISTERED HEREFORD BULL AUCTION**
held November 13, averaged \$262. Top bull, Lot
17, PHF Baca Royal 1, consigned by Pauline E.
Rau, Wakefield, sold to O. M. White, Grandview,
Mo., for \$630.

**THE MIDWEST POLLED HEREFORD AS-
SOCIATION** Show and Sale was held at Deshler,
Nebr., November 14. Fifty-six lots sold for a
total of \$24,905 to make a general average of
\$445. Thirty-eight bulls averaged \$462; 18 fe-
males averaged \$409. Champion and top-selling
bull was Lot 52, Don K. Domino 7th, consigned
by S. E. Trenchard, Cambridge, Nebr., and sold
for \$785 to Victor Bruning, Bruning, Nebr. Top-
selling female was Lot 25, Viola Domino 2nd,
consigned by Kenneth Kuhlmann, North Platte,
Nebr., and sold to Rudolph Hoops, Byron, Nebr.,
for \$700. Charles Corkle was auctioneer.

Ninety lots in the **Plain View Farms Polled
Hereford Sale** for **JESSE RIFFEL & SONS**, on
November 22, brought \$41,815 to make a general
average of \$464. Thirty bulls averaged \$486; 60
females averaged \$454. Top bull, reference sire
K. TVF Advancemore 101st, brought \$1,600,
selling to Frank Tolin, Colby. Top female was
Lot 46, Miss Advancemore 101st, and sold for
\$2,000 to Fisher Polled Herefords, Dodge City.
Jewett Fulkerson sold the fine offering.

Fifty-nine Herefords in the **SUNFLOWER
FUTURITY SALE** held in Hutchinson, Novem-
ber 19, brought a total of \$44,055, to average
\$746. Thirty-one bulls averaged \$822; 28 females
averaged \$596. Top bull, Lot 6, RD Super Donald
5th, consigned by Ralph Deewall, Coldwater,
brought \$4,035 and sold to Rainbow Ranch, Ne-
odesha, and Bill Robinson, Fort Scott. Top fe-
male was Lot 36, SH Lady Larry 23rd, consigned
by A. R. Schlickau & Sons, Haven, and sold to
Parker Ranch, Chelsea, Okla., for \$1,400.

Several states were represented. It is antici-
pated this will be one of the top sales thruout
the United States this season. Colonels Gene
Watson and Freddie Chandler sold the offering,
assisted by men of the various livestock presses.

Public Sales of Livestock**Aberdeen-Angus Cattle**

December 8—Annual Commercial and Purebred
Sale, Dodge City, Kan. Chester I. Bare, Sale
Manager, Protection, Kan.
February 11, 1953—Chisholm Trail Angus Breed-
ers' Association, Caldwell, Kan.
February 17—C. E. Seed'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, Erickson, Thorman & Davis,
Hutchinson, Kan.
April 9, 1953—Mid-Kansas Aberdeen-Angus As-
sociation, Hutchinson, Kan. Phil Sterling,
Secretary, Canton, Kan.

Hereford Cattle

December 6—A. R. Schlickau & Sons, Haven,
Kan.
December 10—B-K Herefords, Longford, Kan.
Sale at Minneapolis, Kan.
December 12—Hawke Hereford Farm, Irving,
Kan. Sale at Marysville, Kan.
December 17—Rowland Boddy Hereford Dis-
persal, Norton, Kan.
December 17—C. A. Burnett Estate, Girard, Kan.
Sale at Golden Willow Ranch, Pittsburg,
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 27—CK Ranch, Brookville, Kan.
February 27—Sam Gibbs, Clay Center, Kan.
April 18—Mid West Polled Hereford Association
Show and Sale, Deshler, Nebr. Fred C. Duey,
Sale Manager, Chester, Nebr.

Polled Hereford Cattle

February 23—Central Kansas Polled Herefords,
Herington, Kan.

Holstein Cattle

December 9—Lloyd C. Bacon High Grade Dis-
persal Sale, Cameron, Mo. Donald J. Bow-
man, Sales Manager, Hamilton, Mo.
December 9—Clarence Kiefer Dispersal Sale,
Muscotah, Kan.
December 11—A. R. Sargent Dispersal Sale, Man-
hattan, Kan.

Duroc Hogs

February 7, 1953—Vern V. Albrecht, Smith Cen-
ter, Kan.

Hampshire and Southdown Sheep

December 8—Roy F. Gillmore, Peabody, Kan.

TREND OF THE MARKETS

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

	Week Ago	Month Ago	Year Ago
Fed Steers	\$34.50	\$34.25	\$36.90
Hogs	17.25	17.65	18.35
Lambs	23.50	23.75	30.25
Hens, 4 to 5 lbs.24	.21	.23
Eggs, Standards44	.44	.53
Butterfat, No. 162	.63	.70
Wheat, No. 2, Hard ...	2.55 1/2	2.56	2.55 1/2
Corn, No. 2, Yellow ...	1.62 1/2	1.62	1.99 1/2
Oats, No. 2, White ...	1.07 1/2	.98 1/2	1.15 1/2
Barley, No. 2	1.54	1.52	1.52
Alfalfa, No. 1	45.00	45.00	44.00
Prairie, No. 1	30.00	30.00	28.00

**Hawke REGISTERED
HEREFORD SALE**

**At Marysville, Kansas
Friday, December 12**

(A. L. Breeding Sale Pavilion) — Sale at 1:00 P. M.



12 BULLS — 32 FEMALES

Herd Sires Represented:

CK Creator 12th, half-brother to the 1948 Den-
ver Champion. **Prince Tredway 17th**, grandson
of **Moxley's WHR Royal Tredway 8th**. **H Pioneer
Prince**, by **Real Pioneer 21st**.

The offering represents some of the best bloodlines available
and they are selling in good, thrifty breeding condition.

For catalog address

HAWKE HEREFORD FARM, Irving, Kansas

Gene Watson, Auctioneer

Mike Wilson for Kansas Farmer

**C. A. BURNETT ESTATE
Hereford Dispersal**

The Burnett Herd of Girard, Kan.,
will be dispersed at

The Golden Willow Ranch
Located 12 miles east of

PITTSBURG, KANSAS
on 126 highway. From Joplin, Mo., it
is 22 miles north on Highway 43.

138 Head Sell on Wed., December 17

Time 1 P. M.

105 LOTS—20 Bulls, all service age. Remainder of offering are
Cows with calves, Bred Cows, Bred and Open Heifers.

BLOODLINES—Females are largely Real Prince Domino and Prince Domino return breeding.

4 Herd Bulls Sell—one of these bulls is a \$7,500 of C. W. Prince
Domino 21st.

For sale catalog write to

MRS. C. A. BURNETT, Administratrix, Girard, Ks.

Hildenbrand & Shull, Auctioneers

Here Is Low-Cost Advertising!

ONLY 10c A WORD

Kansas Farmer has 118,311 subscribers, and reaches an average
of over four out of every five farm homes in the state. It is printed
twice each month on the first and third Saturday. The Classified
rates are:

Regular Classified—10c a word (12 words Minimum)

Display Classified—\$9.80 a column inch

\$4.90 a half inch

(Black Face Type used in these ads but no cuts)

Mail Your Ad to

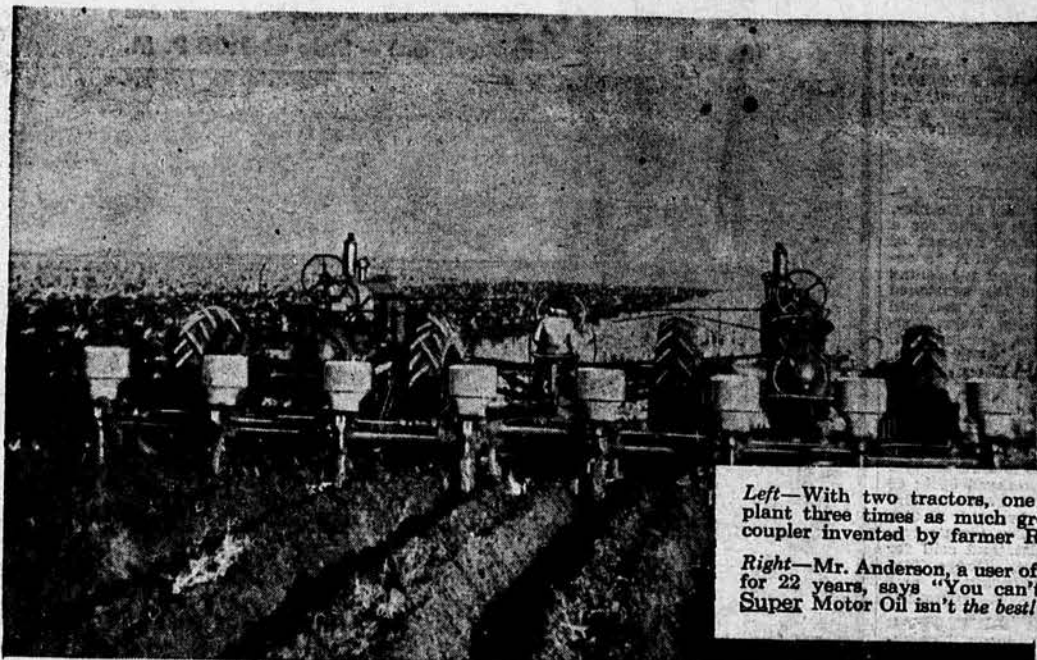
KANSAS FARMER

912 Kansas Avenue

Topeka, Kansas



THE TANK TRUCK



Left—With two tractors, one farmer can now plant three times as much ground with a new coupler invented by farmer Roy N. Anderson.

Right—Mr. Anderson, a user of Conoco Products for 22 years, says "You can't tell me Conoco Super Motor Oil isn't the best!"



New Way to Triple Your Planting!

WITH TWO TRACTORS, one man can now cultivate three times as much ground with a new tractor-coupler invented by Roy N. Anderson, a farmer who lives near Grier, New Mexico.

With Mr. Anderson's coupler, on which he has a patent, two tractors can be hitched together to plow or plant a 28-foot swath, and the tool bars can be removed and standard draw bars put in place for pulling drag-type implements. Either or both tractors can be unhitched and used separately.

The operator of these coupled tractors is seated on a central control deck, with free access to all tractor controls.

To farm his 600 acres of grain sorghums, the inventor of this coupler uses two coupled Farmall F30's, two coupled Farmall regulars, a Farmall F20, three combines, a truck and a pickup. And here's what he says about

taking care of this equipment:

"Some time ago I followed highway construction work during the winter months, and that's when I found out that Conoco oils and greases get the job done better, even in extraordinary conditions."

Pointing to one of his tractors, Mr. Anderson continued, "I bought that tractor over there from my brother in 1947. I don't know how long he ran it, but I am starting my sixth season with it, and if the head or pan

have ever been off it, I don't know about it.

"No, sir, you can't tell me that Conoco Super Motor Oil isn't the best!"

Well, Mr. Anderson, we certainly aren't going to try! We think all farmers will find, as you have, that Conoco Super Motor Oil helps make engines last longer, perform better, and use less fuel and oil. That's why we urge every farmer to call his Conoco Man, right away, for a drum of great, wear-fighting Conoco Super Motor Oil.

1100 Acres for Six Bits!



"I've combined over 1,100 acres with one machine and spent just seventy-five cents on repairs," Karl Fornall, Fallon, Montana, recently told his Conoco agent, Lawrence Lund. "This year, when I cut 300 acres of wheat, I drained and refilled with Conoco Super Motor Oil before we started and none had to be added to either the combine or tractor during

that time. When I drained out the oil, I found it was still clean and clear!"

To Thaw Vacuum

Long pipe lines on milker-vacuum freeze or feather-frost in winter. C. P. Wurtz, Bayfield, Wisconsin, says you can remedy it like this: Place a plugged T 25' to 50' from pump. When frozen, remove plug and direct blowtorch flame in T while vacuum is running. Warm air thaws the line.



SAWS FOR IDEAS!

Send your original ideas to The Tank Truck, Dep't E, Continental Oil Company, Ponca City, Okla., and get a genuine \$10.25 D-15 Henry Dieston Hand Saw for every idea that's printed!

Brown Onion Soup

... by Mrs. Chas. G. Hunt
R. 6, Harrison, Arkansas

- 1 cup minced onion
- 3 T. butter
- 3 T. flour
- 2 bouillon cubes
- 2 cups boiling water
- 1 cup sweet milk
- ¼ t. salt



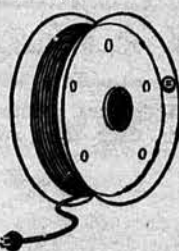
Brown onions in butter, remove from fire. Add flour and salt; stir well. Combine hot water and bouillon cubes, stir until dissolved. Add to onion mixture, stirring constantly, until thickened. Add milk. Heat to boiling. Serve hot.

SHEARS FOR RECIPES!

Send your favorite recipes to Mrs. Annie Lee Wheeler, Dep't E, Conoco Cafeteria, Ponca City, Okla. A \$7.50 pair of Wiss Pinking Shears awarded for every recipe published with your name. All recipes become property of Continental Oil Company.

No-Kink Cord

Here's a fine reel for a long extension cord. Enlarge valve-stem opening in automobile wheel, attach female plug in it. Wind long cord around wheel. To use, connect male plug to current outlet, roll wheel to point of use, plug attachment to socket in valve stem opening, suggests Jim Randles, Hardesty, Oklahoma.



"50,000 Miles-No Wear!"

To test the wear-fighting ability of Conoco Super Motor Oil, six brand new cars were each driven 50,000 killing miles. Crankcases were drained, while hot, every 1,000 miles... air and oil filters were serviced at proper intervals... crankcases were refilled with Conoco Super. At the end of the test, engines showed no wear of any consequence... in fact, an average of less than one one-thousandth of an inch on cylinders and crankshafts. This test proved that Conoco Super, with OIL-PLATING, can help make your car and truck engines last longer, perform better, use less gasoline and oil.



Has a Full Line of Farm Products Including

CONOCO GASOLINES • CONOCO HD OIL
CONOCO KEROSENE • CONOCO TRANSMISSION OIL
CONOCO TRACTOR FUEL • CONOCO PRESSURE LUBRICANT
CONOCO DIESEL FUEL and CONOCO SUPER MOTOR OIL
CONTINENTAL OIL COMPANY