

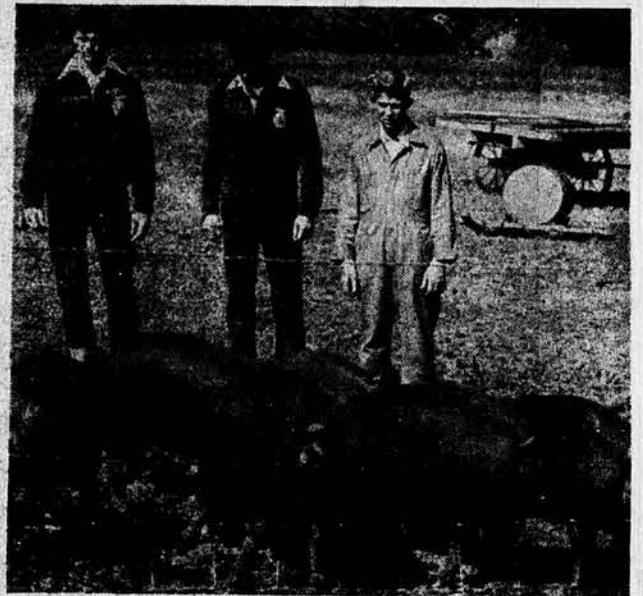
Kansas Farmer



FINISHING touches to a hog trough are made by Jerald Draney, left, and James Moynagh. The boys make most of the equipment for their swine projects.



FIVE-DAY-OLD pigs out of litter of 14 brave outside world with their mother while Donnie Lowe, young swine breeder, checks their progress.



DONNIE LOWE, right, shows John and Larry Schumann gilts he picked for the swine association's 2nd annual sale of gilts and boars this fall.

No Wonder Powhattan FFA Is a Success

WHAT may be one of the most successful swine projects in Kansas Future Farmers of America history recently completed its first year at Powhattan, in Brown county. We're talking about the Powhattan FFA Swine Improvement Association, which recently held its second annual sale of registered gilts and boars.

Other FFA chapters in Kansas have successfully sponsored swine improvement associations in single breeds, but at Powhattan, 22 members have more than 300 head of Durocs, Hampshires, Chester Whites and Spotted Polands. Selections from 3 of the breeds were offered in this fall's sale.

This record is remarkable because there are only about 65 students in Powhattan Rural High School. Of this number 30 boys are enrolled in Vocational Agriculture, and 22 out of the 30 are members of the swine improvement association.

The association has more than doubled in one year. It was organized September 10, 1950, with only 10 members. First officers elected were Jerald Draney, president; Clair Krebs, vice-president; John Schumann, secretary, and Larry Schumann, treasurer. The 2 Schumann boys are cousins.

[Continued on Page 24]



FIRST OFFICERS of Powhattan FFA Swine Improvement Association are, left to right seated, Larry Schumann, treasurer; Jerald Draney, president; John Schumann, secretary. Standing is Clair Krebs, vice-president.

- **Couldn't Spend a Fortune**Page 6
- **Would These Changes Fit Your Home?**...Page 10
- **We Are Seeing America**Page 14

"64 Hogs brought a \$2,074 PROFIT when I fed them with MoorMan's..."

says Neal Ahart... Neal K. Ahart, 27, Buena Vista County, Ia., is a young and alert Ex-GI farmer who makes his two hobbies—soil conservation and hogs—pay big dividends. He raises hybrid seed corn, buys all his feed—and knows his feed costs to the penny.

MoorMan-fed hogs averaged 240 lbs. in less than 6 months

"I made a profit of \$2,074.08 above feed costs on 64 hogs—or \$32.41 on each hog—by balancing my feed with MoorMan's concentrates," says Neal Ahart.

"The hogs topped the market on the days they were sold. 36 averaged 241½ lbs. at 5 months and 16 days, and sold for \$23. The other 28 sold two weeks later at an average of 239 lbs., for \$21.25.

Started on Pig Mintrate. "The pigs were from 8 sows, and were farrowed last fall. They were started on corn and MoorMan's Pig Mintrate. At 70 lbs. they were switched to corn and MoorMan's Hog Mintrate 45. At 3½ months we also started giving them skim milk from our own cows.

"Total feed was 611 bushels of corn; 1,500 lbs. Pig Mintrate; 1,700 lbs. Hog Mintrate 45; 1,800 gallons of skim milk.

"We bought the corn and Mintrate for a total of \$1,203.20, or \$18.80 a hog. We've made a charge of 8 cents a gallon for the skim milk—the price we would have to pay at a local creamery. This makes our total feed bill \$1,347.20.

"I figure the profit on the first bunch of 36 hogs was \$1,241.64, or \$34.49 on each, and on the last bunch of 28, \$832.44, or \$29.73 each.

Has 8-Pig Average. "I'm raising an average of 8 pigs a litter, and I think this is due largely to the minerals and vitamins the sows get in Hog Mintrate during gestation. The sows farrow the strongest pigs I have ever seen."

Ideal for Balancing Soft Corn, too. Whether your corn is well-matured, or soft, you'll find MoorMan's Hog Mintrate 45 an ideal balancer. Hog Mintrate is so rich in the world-famous MoorMan-developed blend of proteins, minerals and vitamins that only 100 pounds balances 1,100 pounds of good, sound corn. MoorMan's Mintrate supplies all the feed factors hogs are known to need to help corn produce fast growth and fine finish.

Ask your MoorMan Man how you can balance your corn with Hog Mintrate 45 and, like Neal Ahart, make good profits above feed costs. If no MoorMan Man calls, write MoorMan Mfg. Co., Dept. J2-12, Quincy, Ill.

MoorMan's

(Since 1885)

MAKERS OF PROTEIN AND MINERAL CONCENTRATES FARMERS NEED, BUT CANNOT RAISE THEMSELVES





National Honors To Four 4-H'ers

NATIONAL honors will be awarded 4 Kansas 4-H Club members this year, announces J. Harold Johnson, state 4-H Club leader.

Sectional winners are Eugene Fields, Solomon, leadership; Larry Dumm, Oswego, soil conservation; Millicent Schultz, Pawnee Rock, dairy cattle, and Barbara Richardson, Chanute, general 4-H achievement.

Eugene Fields is one of 8 in the United States to be honored for outstanding 4-H leadership. His sister, Carolyn, is state food preparation champion this year, and last year was state cherry pie baking champ.

Larry Dumm is one of 16 members to be honored for soil conservation work. He did outstanding work in building terraces with a moldboard plow, building ponds and other conservation work on his father's farm.

Miss Schultz is one of 12 members selected for outstanding achievement with dairy cattle. She has competed at many Kansas fairs, and her Brown Swiss have consistently won honors for her. Miss Richardson is one of 8 members over the Nation to be honored for her general achievement in project work in 4-H activities.

Letters From Readers

I ENJOYED the articles about flowers written by Frank Payne. Trusting he will continue.—Mrs. Fred Leive, Saline Co.

Please have Frank Payne continue his articles on flowers. It was quite a help to an amateur.—Mrs. B. C. Forster, Barber Co.

I would like to send word of praise to Larry Schwarz for his "Thoughts To Live By." They rate first with me of all articles, especially the last one about "God" which was so beautiful. May he keep up the good work. How much the world needs such messages.—Mrs. Laura Goldsworth, Osage Co.

Allow me to express my appreciation of the articles by Larry Schwarz, "Thoughts To Live By." It is the first thing I look for in the paper.

The article on "God" in the issue of November 3 is very fine, in my opinion.—A. W. S.

Time to Fertilize Cool-Season Grasses

Cool-season grasses—brome grass, bluegrass and reed canary grass—can be given a dressing of nitrogen fertilizer in early winter. Such application is as effective as any later time, says R. C. Pickett, Kansas State College agronomist, altho extremely early spring dressings will be about the same. However, fertilizing now will give insurance for stimulated spring growth.

Senator Capper on Radio

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

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Continuing Mail & Breese

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Vol. 88, No. 23

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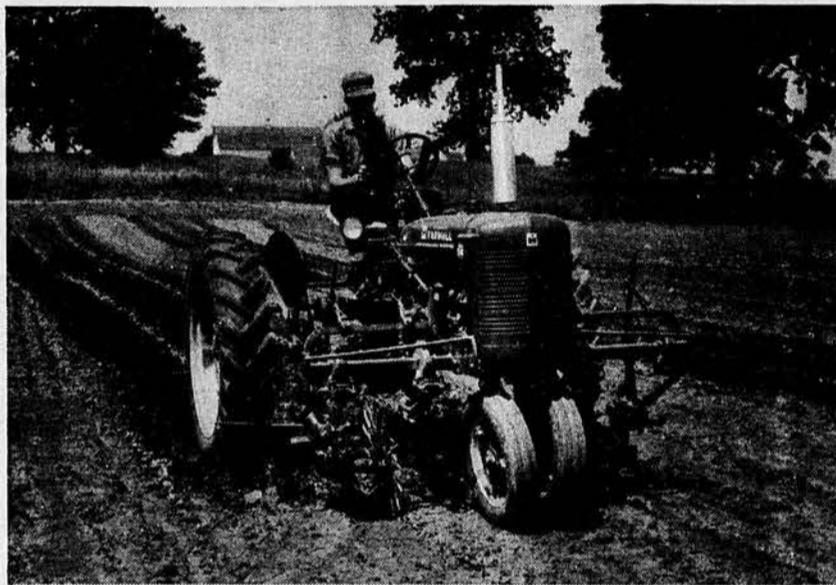


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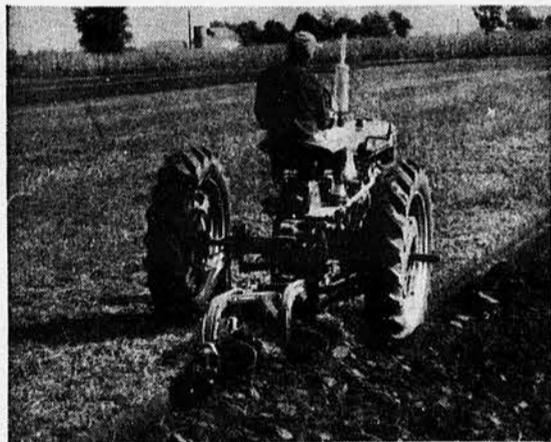
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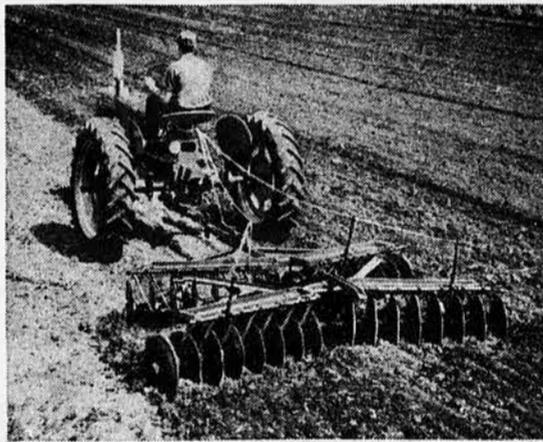
Faster planting at even depth with FRONT-MOUNTED planter—Cross-check, drill or power hill-drop up to 35 acres a day with the Farmall Super C and front-mounted McCormick planter! Planter units are always in full view of the operator. You are always sure the runners are trash-free for accurate planting at uniform depth. Hydraulic Touch-Control down pressure helps to maintain uniform operating depth when planting in hard, difficult soils. Planting rate is easily varied to match soil fertility level, assuring best yields.



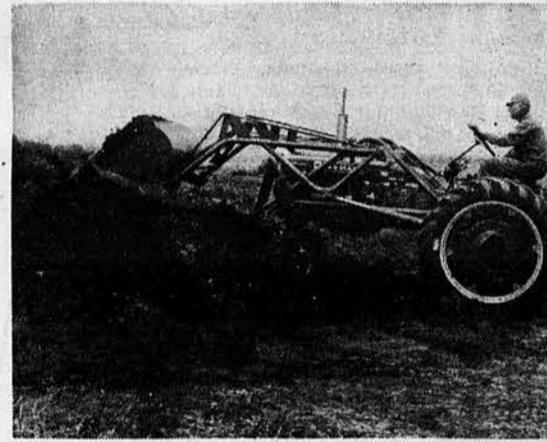
Faster, cleaner cultivation with FRONT-MOUNTED cultivator—You work close to the rows at faster speeds with a front-mounted McCormick cultivator. Cultivator gangs are in full view from the seat of the Super C. For still cleaner cultivation at higher speeds, each gang may be equipped with rotary hoe (shown above) to kill small weeds right in the row. Weeder-mulcher attachment can be used in place of the rear gangs. Hydraulic Touch-Control with delayed lift lets you do weed-clean cultivation right up to the headlands.



Cleaner, more uniform furrows with REAR-MOUNTED plow—The two-furrow, 14-inch quick-connect McCormick plow for the Super C is center-pulled from well forward on the tractor. Bottoms stay in the natural line of draft to maintain uniform depth. You'll say you never plowed so well, so fast, with a 2-plow tractor before!



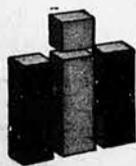
More pull-power at THE DRAWBAR for trailing loads—You get peak performance on the drawbar, too, with the Farmall Super C. Correct power-weight ratio and big, wide tires assure better traction. You get more *pull-power* than with other tractors of similar size. Above, pulling an 8-foot McCormick tandem disc harrow in soft plowed ground.



Faster loading with this TOUCH-CONTROLLED loader—Two hydraulic cylinders, each with *up* and *down* pressure lift the load and lower the scoop or fork *fast*, under *positive* control. A third cylinder dumps the load. With its super-easy steering and disc brakes, the Super C pivots in its tracks! It's *easy* to work in cramped quarters.

Better, Faster work for you in '52—See your IH dealer NOW about delivering a Farmall Super C, with the

McCormick implements you want. You'll have the best in 2-plow, 2-row power with a Farmall Super C!



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Set Up New Beef Feeding Tests

Winter rations of beef animals is a new research project at Kansas State College. A recent shipment of 150 Hereford feeder steers from Brady, Tex., are being used in the tests. Ed Smith, of the animal husbandry department, reports the steers will be divided into 15 lots of 10 each for the project.

One lot will be fed bluestem grass and 2 pounds of soybean pellets each day. Another will get prairie hay and 1 pound of protein concentrate. A third lot will winter on silage and 1 pound of protein concentrate daily. A fourth group will get prairie hay, 2 pounds of grain and 1 pound of protein concentrate daily. A fifth group will be fed prairie hay, 4 pounds of grain and 1 pound of protein concentrate daily. These 5 tests have been studied the last 2 years, and most economic gains were made on dry bluestem grass and 2 pounds of soybean pellets daily.

Three lots of 10 steers each will be used to study the ratio of roughage to concentrates for cattle being full fed. Two lots will be used to study alfalfa silage, that has been wilted before ensiling, compared with silage ensiled direct from the field.

Of 3 lots used to study deferred-feeding systems, one will be fed trace minerals, another standard rations, and the third, a full-feed ration of grain while on grass pasture. Another group of 10 steers will be used to see whether calcium and phosphorus supplements should be added to winter rations.

Hire Agents to Aid Flood Rehabilitation

The farm land restoration program in Kansas has received a boost with employment of additional county Extension agents in 27 counties. Funds for this educational program were included in the Flood Rehabilitation Act recently passed by Congress. The assistant agents will be employed for 4 months.

Both assistant agricultural and home demonstration agents will be employed in these counties: Geary, Riley, Pottawatomie, Shawnee, Jefferson, Johnson, Wyandotte, Franklin, Miami, Allen and Neosho. These counties will have assistant agents: Dickinson, Osage, Lyon, Morris, Ottawa, Greenwood, Wilson, Linn, Labette, Leavenworth, Wabaunsee and Douglas.

Assistant home demonstration agents will be employed in Saline and Chase counties to aid in home improvement, nutrition and other projects. The Jefferson county home agent will do some work in Douglas county.

Stops Soil Erosion

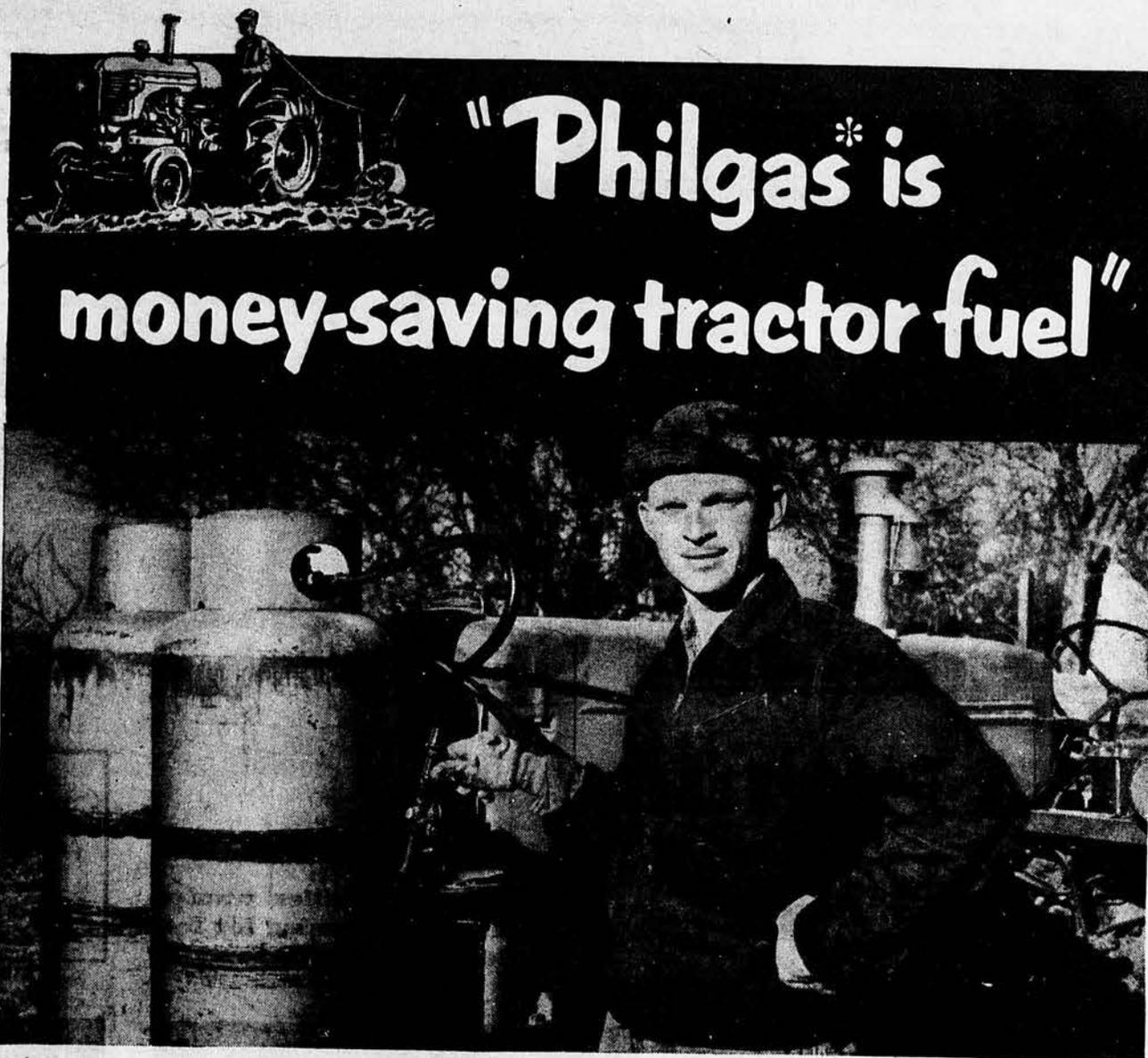
Oscar G. Cook, Hill City, a co-operator with the Graham County Soil Conservation District, has brought soil erosion under control on his 640-acre farm. Land has been brought into good production again, and yields are on the upgrade.

Land where farming had all but been discontinued because of gullying now has been smoothed out under conservation farming. Ground used to be too rough to harvest crops that were planted, and much soil had been lost from the rest of his cropland, too. Along with soil loss was loss of water which in some years was badly needed by crops.

A survey of Mr. Cook's farm indicated 2 small areas of cropland were unsuited for cultivation, so one was seeded to buffalo grass, the other to crested wheat grass. "Not only does the grass prevent erosion on those acres, but they made my pasture situation better," says Mr. Cook. "Crested wheat grass grows early, and gives my calves and hogs some early pasture."

For Children

"Christmas in Toyland" will interest the children. It is a playlet with cast of Mr. and Mrs. Santa and several characters representing "Fid," "Raggedy Ann," "Little Boy Blue," and others. Scene takes place in Santa's Toy Shop. Good for school, Sunday school or community. Please address Entertainment Editor, Kansas Farmer, Topeka, and enclose 5c for each copy desired. We will give your order prompt attention.



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Lester Goyen, Rt. 1, Pratt, Kansas, has used Philgas for two years with really profitable results!

LESTER GOYEN and his father have a 1500 acre farm . . . with 1000 acres in wheat. Over a two-year period they've made big savings on tractor fuel cost, and on maintenance, too, by burning Philgas tractor fuel.

Philgas is a very high octane fuel that delivers smooth power even under heavy loads. And with Philgas you use a closed filling system which eliminates losses from evaporation, spillage, or overfills.

And you'll save on maintenance! Philgas burns clean. There's less oil contamination and less engine deposits on rings and valves . . . which means fewer costly overhauls.

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on one that is already made for Philgas.

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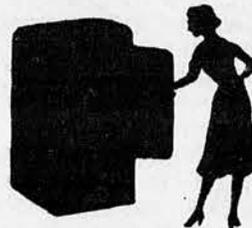
Philgas is the ideal all-purpose fuel. Use it for cooking . . . automatic water heating . . . automatic gas clothes driers . . . silent gas refrigerators . . . milk house sterilizers . . . brooders . . . stock tank heaters . . . and many other needs around the farm!



An easy, clean way to cook.



A fast, thrifty way to heat water automatically.



Dependable refrigeration. No sound. No moving parts.

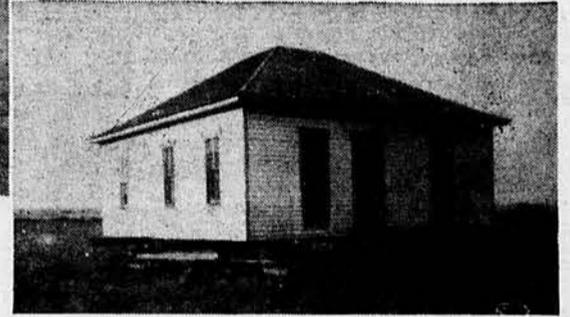
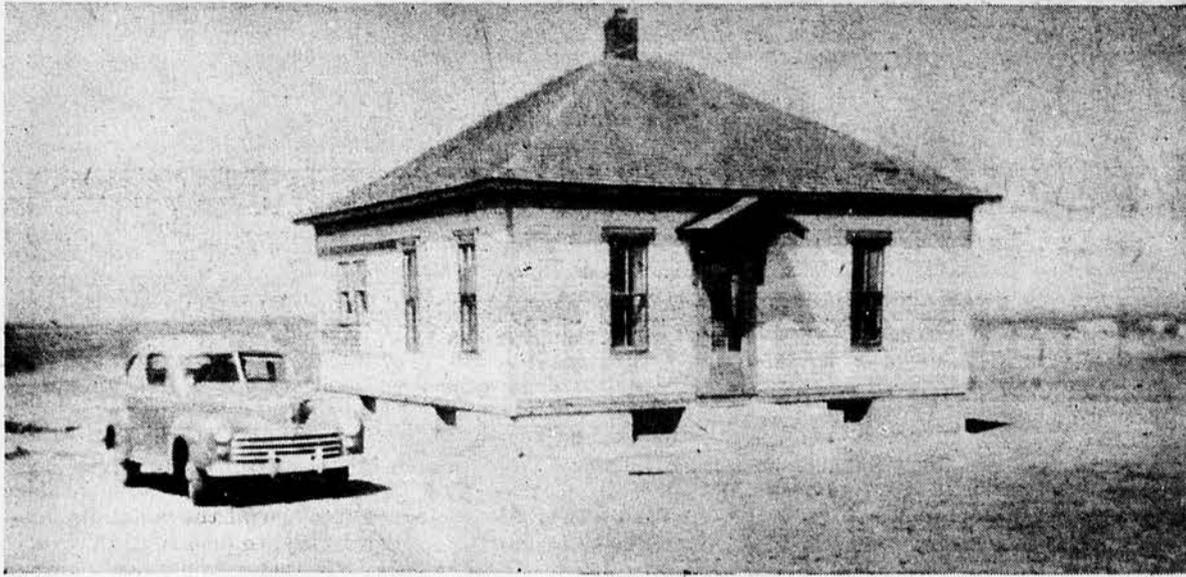


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THE HOUSE below and at left is one bought and remodeled by Max Nixons. All 4 families contacted for this article started out with about same kind of basic one-story house of early 1900's. Like Nixons, they spent as little as possible on changing outside, preferring to put their money into better living facilities on inside. Two of 4 included basements in their planning.

Couldn't Spend a Fortune

By **DICK MANN**

... But these 4 families wanted and got better housing for less than \$6,000

For pictures and details of some of the remodeling ideas used in these 4 Greenwood county farm homes, please turn to page 10.

DO YOU get a little mad sometimes when you read how some family turned an old hovel into a mansion for less than \$1,000? Or to see pictures and read about remodeling projects that are so far beyond your pocket-book they give you no help at all with your own problems?

There must be thousands of you good Kansas farm families who would like to better your housing situation, but who have to operate on a small budget, even in these so-called prosperous times.

We have just visited 4 farm families in Greenwood county who are just like you. They wanted better housing but couldn't spend a fortune to get it.

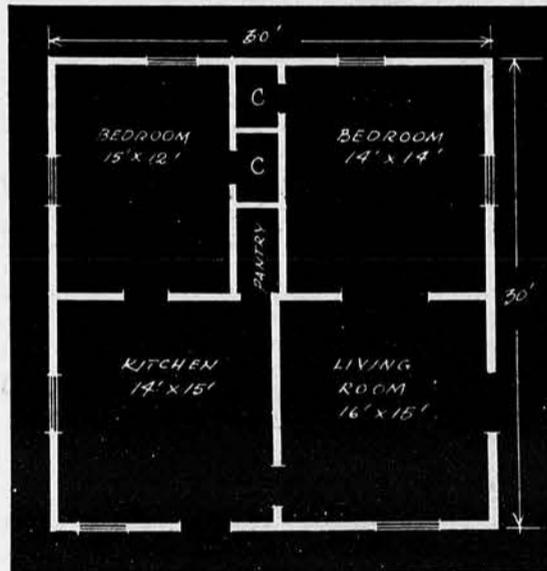
All 4 started out with about the same kind of house—the typical little square or nearly square one-story house of 4 rooms built early in the 1900's. Three of the 4 families purchased their houses from the Fall River reservoir area and had to pay moving costs, but still felt they got a bargain. Two of the 4 enlarged the houses, while the other 2 kept the size intact but did make some interior changes or improvements. All 4 families spent the least possible amount on improving the outside appearance, and concentrated on getting the most they could from their spending by improving the actual living facilities inside.

Here is a brief summary of what was done by each family, with the approximate costs of improvements:

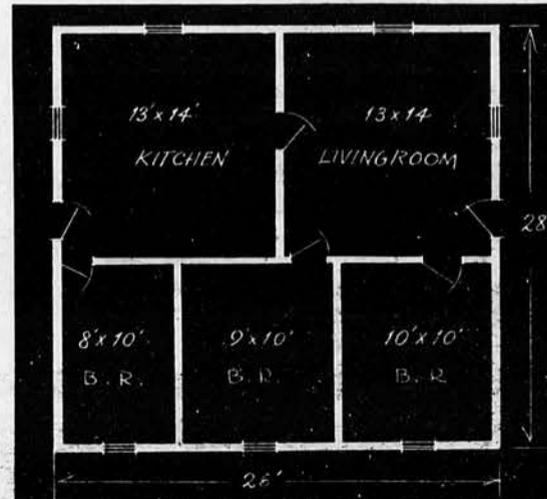
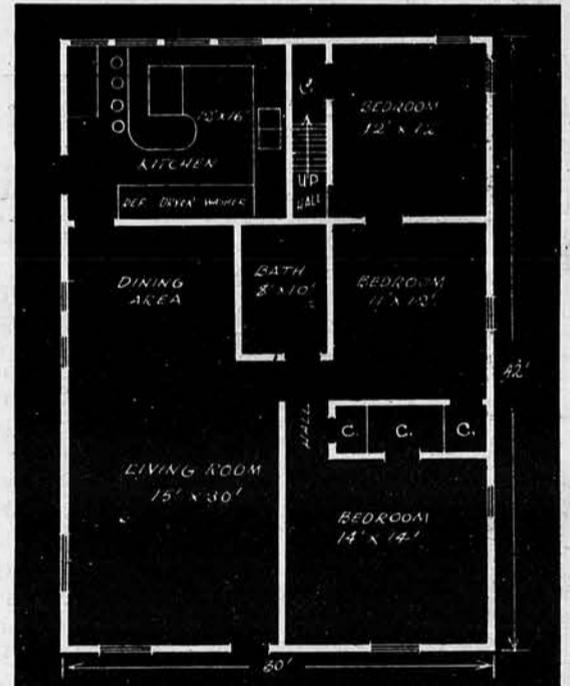
Mr. and Mrs. George Edwards started with a 4-room, 30- by 30-foot house they purchased for only \$100, but which they had to move several miles. A 12-foot addition was made to the building to give them a 30-by-42 over-all size.

This addition allowed Mr. and Mrs. Edwards to add a new kitchen utility and an extra bedroom. They removed a partition between the old living room and kitchen to give one large living room with a dining area. The old pantry was changed into a hall and stairs were built to the attic for additional storage. A bathroom was worked out by moving one of the old kitchen walls 4 feet into the kitchen and taking another 4 feet off the middle bedroom. A study of the floor plans will show how it was done.

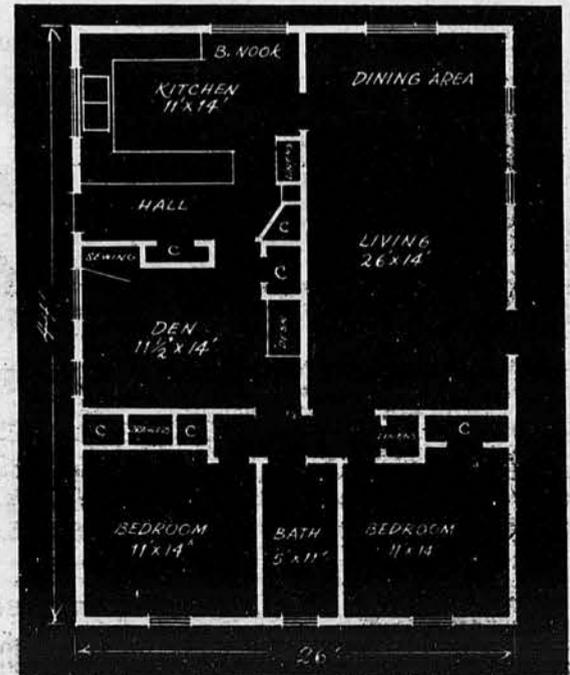
Home economics specialists from Kansas State College say the kitchen-utility room in the Edwards home is the most compact they ever have seen. Mrs. Edwards says of it: "We got some of our ideas [Continued on Page 26]



AN ADDITION of 12 feet (right) to original structure (above) was made by Mr. and Mrs. George Edwards, who then were able to remodel for 6 rooms and bath. They also now have an attic storage space and one of the most compact and handy kitchen-utility rooms you ever saw.



THIS OLD FLOOR plan, above, did not give Robert Nixon family any storage space, so storage facilities were given first place in planning remodeled home, right. Note large number of closets in new plans. Sixteen feet were added to original house to get necessary living and storage space required by this farm family.





Farm Matters

AS I SEE THEM

LOOKING out over the world from my room in the Hotel Jayhawk here in Topeka, I can see the Statehouse. I particularly enjoy seeing the dome when it is lighted up at night. Much of my life and interest since I came to Topeka to work as a printer on The Topeka Daily Capital, in 1884, has centered around that Statehouse. Even during my 30 years in the U. S. Senate I never got away from the inside feeling that the Capitol building in Washington was just a larger Statehouse.

When I first went to the Senate, the difference in size between the governments represented by the Capitol building in Washington—or rather I should say the White House—on the one hand, and the State governments represented by statehouses in Topeka and in 47 other states, was not so great.

Today the difference is marked, and is growing more marked. For example, when I came to Topeka, 67 years ago last June, total federal expenditures were barely \$300,000—that is 300 thousand—dollars a year. Uncle Sam spent some \$40,000 a year on the Army, about \$20,000 a year on the Navy. Interest on the public debt took \$40,000 a year, in round figures.

Now federal spending is approaching \$70 billion—70 million thousands of dollars—a year. The Pentagon in Washington may ask as much as that be appropriated for national defense and foreign aid alone next fiscal year. Interest on the national debt now runs close to \$6,000,000,000 (\$6 billion) a year.

Under the present program, the federal government will expend pretty close to one fifth of the national income for military purposes alone, plus billions for foreign aid.

At the time I came to Topeka, and for 30 years afterward, there was no such thing as an income tax, federal or state. Today the federal income tax runs from 21 per cent on net taxable income to as high as 92 per cent for individuals, and the corporation income tax on all except the smallest corporations is 52 per cent.

Taxes, federal, state and local, will take more than one fourth, nearly one third, of the national income next year. And the President is going to ask Congress next January to increase federal taxes still more. And state and local governments, to keep up with the federal government and with the inflation brought about by huge federal spendings, are going to up taxes—again and again and again.

Yes, the White House was not so very much bigger than the Statehouse when I came to Topeka. But now the White House is coming to resemble an overpowering monster, and constantly calling for more taxes, more powers, more controls, more infringements on the rights of the states and the liberties of the individual.

I note that President Truman wants to keep foreign policy out of the coming 1952 elections campaign. He has warned the Republicans they better had not make that an issue. In this posi-

tion he is joined by some Eastern, international-minded, Republican leaders. When close to four fifths of federal expenditures are for the purpose of making or carrying out foreign policies—I use the plural form advisedly, because we have had so many and so varied, even contradictory, foreign policies in the past few years—I don't see how foreign policy can be kept out of the campaign.

Now it may be that the leadership in the Democrat party, and the "Me-Too" group of leaders in the Republican party, can soft-pedal foreign policy in the party platforms. But it is my guess that neither they nor the White House and State Department can keep Congress from debating foreign policy the coming year. And I note also that Sen. Robert A. Taft, by publishing a book devoted entirely to foreign policy of the United States, has put that issue squarely up to the Republican national convention—and to the American people.

Also Gen. Douglas MacArthur, fired as Far Eastern Supreme Commander because he rebelled publicly against the conduct of foreign affairs by the State Department, continues to discuss foreign policy in well-attended meetings all over the nation.

And I note that an old friend, Roger Babson, feels as I do, that Congress is going to take an active interest in foreign policy. In the current issue of his Babson's Washington Forecast, it is predicted that Congress in its next session will give various phases of foreign policy as administered by the State Department a thoro going over. That is much needed, in my judgment.

Must Have Equipment

I MENTIONED in the issue just before this *Kansas Farmer*, what a big job, what an important job, of production farmers are going to be called upon to do during 1952. You must feed this nation and our fighting men, and feed into growing defense industries the raw materials they need. In addition, you must produce enough to help feed many of our allied nations.

I know American farmers are willing to do the job, will do it, provided they get the necessary farming tools and equipment. It could turn out that farmers are short-changed when it comes to allocating steel, for example. That must not be. Food production is as essential as any other kind of production in our defense build-up. Without proper equipment agriculture will be badly handicapped.

Along this line I would like to quote from the address of Herschel D. Newsom, Master of the National Grange, at the recent 85th annual session of this great farm organization in Atlantic City, N. J. Mr. Newsom said:

"The productive capacity of American agriculture is certainly at the service of the cause of freedom." That is well known. But here is the point I wish to emphasize. Quoting Mr. Newsom again: "We must be ever alert, tho, to be sure we meet the challenge that is ours, to see that the needs for production supplies, repair parts and even new machines, in varying quantities, are recognized. The industrial revolution in agricultural production is not yet complete. It must especially go on now because of the vanishing labor supplies. . . . Certainly, this Nation can stand a substantially greater reduction in many normal consumer items than it can stand either in agricultural machinery or industrial production tools that will serve the mobilization effort. We will fail in our patriotic duty unless we make agriculture's essential requirements known.

"Farmers will not be able to continue record production unless they have the tools to work with. The continued drain of skilled young farmers into defense industries and the armed forces means agriculture is all the more dependent upon mechanization." I certainly agree with the point that farmers have full right to the machinery that will make it possible for them to meet the heavy demands ahead.

There are many good points in this Grange speech. Thinking about conserving and expanding freedom Mr. Newsom said: "Now we are . . . testing whether responsible free men are capable of suppressing personal, local, sectional or national prejudices and self-interest and thus proving themselves capable of governing themselves thru a system of government which derives its only power by consent of the governed, or whether the individual shall become subservient to the all-powerful state and be robbed of individual incentive and have coercion substituted for incentive."

There is no question in your mind or mine about our wanting freedom, any more than there was in the mind of Theodore Roosevelt when he said: "In the long run this Nation cannot be a good place for any of us to live in unless it is a good place for all of us to live in."

Freedom is only a word in many countries around the world. Let's keep our freedom. Mr. Newsom said in his speech: "Law or decisions predicated on sheer political power or pressure, without recognition of justice and equity and without a genuine determination to see that no injustice is done, are destined to failure because they will merely produce confusion and chaos by their very nature." While we are fighting off danger outside the country, let us make sure no individuals or groups, political or otherwise, confuse us to the extent that we relinquish any of the freedoms guaranteed by our Constitution.

Arthur Capper
Topeka.

What Farm Price Supports Cost

By CLIF STRATTON

Kansas Farmer's National Affairs Editor

One couldn't say there was a total loss of the 2 billion dollars paid out.

In addition to benefits paid farmers, nearly one billion dollars went for relief food distribution, food stamp plan and the school lunch program.

Then there was 250 million dollars to subsidize exports, principally wheat, cotton, peanuts, fruits, eggs and tobacco. Another 100 million was expended to divert farm products to uses having lower values than ordinary consumption of the commodities.

The government made money on cotton and soybean price supports—84.7

million net on cotton; 4.4 million on soybeans.

Here are some of the 15-year costs (rounded millions): Potatoes, 537 million dollars; eggs, 236 million; wheat, 232 million; dairy products, 211 million; peanuts, 97 million; wool, 92 million; dried fruits, 74 million; pork and lard, 71 million; corn, 67 million; apples, 65 million; citrus fruit, 58 million; garden vegetables, 48 million; flax, 35 million; grain sorghums, 31 million; fruit other than citrus, 25 million; dried beans, 16 million; tree nuts, 15 million; tobacco, 12 million, and rice, 8 million dollars.

WHAT cost farm price supports? Sen. Allen J. Ellender (Dem., La.), chairman of the Senate Committee on Agriculture, gets disturbed every so often over what Wayne Darrow (Farm Reports, Inc.) refers to as the lack of adequate price protection for perishables and the high cost of supports. He has had a study over the last 15 years made by Walter W. Wilcox, agricultural specialist with the Legislative Reference service, Library of Congress.

The report summary shows about 2 billion dollars spent on all government price supports from 1936 thru 1950.

Of the 2-billion-dollar total, some 1½ billion went for perishables. Potatoes, eggs and dairy products alone took some 1 billion.

Wilcox staff report recommends in the future, when perishable support programs are used, Secretary of Agriculture should first determine level at which support will not stimulate production in excess of market demand. If production already is greater than demand—which generally is the case when supports are invoked—then the support level should "facilitate rather than delay" cutbacks in production.

The report also discusses, pro and con, following alternative methods of supporting perishable prices:

- a. Development of international agreements to widen markets.
- b. Direct payments to producers.
- c. Seasonal consumer-incentive buying programs.

(Continued on Page 23)

PREPARE YOUR SOIL NOW!

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Coming, Sorghum Facts, Dec. 15 . . .

Do you like to raise sorghum grains but never like to feed them? If so you will be interested in 2 stories coming in the December 15, 1951, issue of *Kansas Farmer*. One, by Dick Mann, gives some of the latest information on feeding grain sorghums to beef cattle. The other, by Leonard W. Schruben, professor of agricultural economics, Kansas State College, has some interesting charts that will tell you in a jiffy when you can save money by buying grain sorghum in preference to corn.

Hugh Bennett Honored by Ag Editors Group

HUGH H. BENNETT, chief of the U. S. Soil Conservation Service for 16 years, is honored by the American Agricultural Editors' Association as the recipient of their 1951 Distinguished Service Award. After considering 20 candidates, the committee unanimously chose Doctor Bennett. Formal presentation of the award was made November 28, in Chicago, by President Ferdie Deering, Raymond H. Gilkeson, editor of *Kansas Farmer*, was chairman of the award committee.



Dr. Hugh H. Bennett

Devotes Life to Soil

Hugh Bennett has devoted his working lifetime to study of land, agriculture, soil erosion problems and to organizing a nation-wide program of soil defense. Born in 1881 on a farm in North Carolina, he attended local schools there, and later received degrees from University of North Carolina and Clemson (S. C.) Agricultural College. In 1903 he entered the old Bureau of Soils of the USDA as a soil chemist. Assigned temporarily to field duty on one of the bureau's soil surveys, he soon became thoroly engrossed in the work and requested that the assignment be made permanent. In 1909 he was appointed inspector of the southern and eastern division of the bureau's soil survey.

Gradually, in his work and in study, Doctor Bennett built up a background of facts as the basis for a nation-wide program to check accelerated erosion and to counteract some of its effects. He has written numerous articles and books on soils.

In September, 1933, the Soil Erosion Service was set up with Doctor Bennett as its director. Two years later, establishment of a permanent government program for soil defense followed when Congress passed the Soil Conservation Act. A Soil Conservation Service was

created as a permanent bureau of the USDA, and Doctor Bennett was appointed chief. During the years of development of the SCS he has been honored many times and is the member of many honorary and professional organizations.

Long known as the "father of soil conservation," Doctor Bennett was awarded the Distinguished Service Medal of the USDA in 1947. It was for achievement in the field of soil and water conservation "which has benefited American agriculture and contributed to the welfare of people thruout the world."

State Hort. Society to Meet in Manhattan, Dec. 4-5

AN ORGANIZATION that is one of the oldest in the state, the Kansas State Horticultural Society, will hold its 85th annual meeting December 4 and 5 at Kansas State College, Manhattan. The annual meeting of the Kansas Sweetpotato Growers Association, a branch of the horticultural society, will be held at the same time.

W. G. Amstein, Manhattan, Extension horticulturist, is president and H. L. Drake, Bethel, is secretary of the horticultural society. Bernard Lohkamp, Wichita, heads the sweetpotato growers' group.

Many Prominent Speakers

Prominent out-of-state speakers on the program include W. W. Magill, University of Kentucky; Julian C. Miller, Louisiana State University; H. G. Swartwout and Aubrey D. Hibbard, University of Missouri, and C. W. Lobenstein, Kansas City, Mo.

Dr. James A. McCain, president of Kansas State College, will be the speaker at the annual banquet December 4. Dean R. I. Throckmorton will address the group on the subject, "Research, An Important Tool for Progress," the afternoon of December 4.

The program is as follows: Tuesday morning, December 4—Strawberry Leaf Roller Control, Elbert L. Eshbaugh, Kansas State College; Some Newer Methods of Growing Strawberries, Mr. Magill, and Breeding Strawberries for Better Qualities, Mr. Miller.

Tuesday afternoon, December 4—Dean Throckmorton on research; Recent Peach Growing Practices, Mr. Hibbard; Special Disease Problems

With Tree Fruits, Mr. Swartwout; Cherry Leaf Spot Control in 1951, R. W. Campbell, Kansas State College, and New Tomato Growing Methods, C. C. Singletary, Kansas State College.

Wednesday morning, December 4—Looking Ahead in Apple and Peach Production, Mr. Magill; Some Notes from the Northeast Kansas Experimental Fields in 1951, Erwin Abmeyer, Kansas State College; New Developments in Spraying Grapes, Mr. Swartwout.

Wednesday afternoon, December 5—New Equipment in Orchard, C. W. Lobenstein; Color Set? Yes or No, Mr. Campbell; Apples in Kansas Retail Stores, John Sjo, Kansas State College.

Question periods are scheduled following each session. Speakers for the sweetpotato section Tuesday afternoon, December 4, are Mr. Miller of Louisiana and O. H. Elmer of the Kansas State College faculty. Mr. Miller will speak on the subject, The Improvement of the Sweetpotato as a World Food Crop Thru Breeding. Mr. Elmer's subject is Our Stake in Sweetpotatoes.

Honey Recipes

Our honey recipe leaflet suggests use of honey in beverages, bread, cakes, cookies, icings, candies, pastries and many other uses. All 60 recipes have been tested. For a copy of the leaflet, please address Home Editor, *Kansas Farmer*, Topeka. Price 3c.



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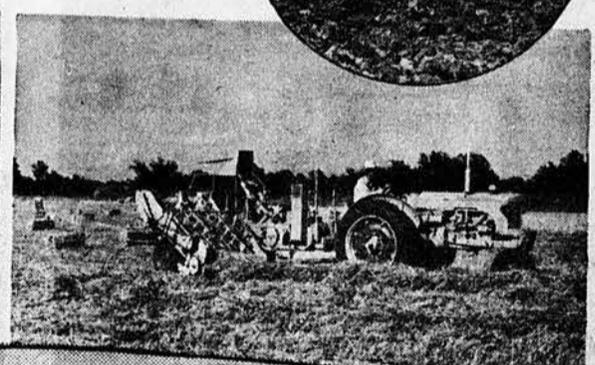
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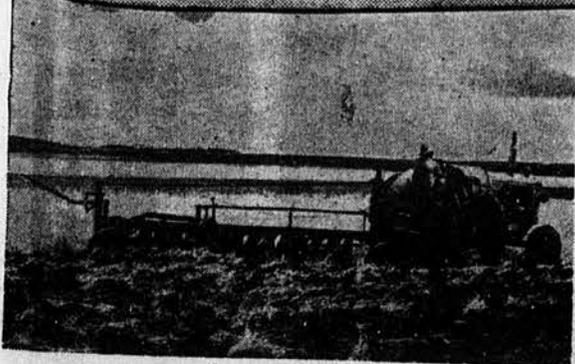


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QUALITY CONTROL IN MM FACTORIES ASSURES DEPENDABLE PERFORMANCE IN THE FIELD!





ALL SEWING MESS can be quickly shut out of sight in this sewing center, a feature of Robert Nixon home. Storage slot for ironing board is included.



THIS GAS WALL heater in Edwards kitchen is both decorative and attractive. A 2-way wall heater is used in living-dining area.



ADDITIONAL COUNTER space without using up wall space is obtained in this cooking-eating island in the home of Mr. and Mrs. George Edwards, Greenwood county. Windows in background are equipped with new-type Venetian screens.

Would These Changes Fit Your Home?

IF YOU were building or remodeling your home today, what things would you want most? Talking to the 4 Greenwood county farm women mentioned in the remodeling story on page 6 of this issue of *Kansas Farmer*, we found each home had some particular problem that was different from any of the others. Each family, then, stressed something different in the remodeling program, altho some things were more or less needed in all 4 homes.

Since we mentioned the George Edwards fam-

ily first in our other remodeling story on page 6, let's see what particular ideas Mrs. Edwards used in getting the kind of home she wanted.

By using a cooking-eating island arrangement she got added counter space without using up additional wall space. This left one entire side of her kitchen-utility room free for windows, making this much-used room delightfully bright and cheerful.

And speaking of windows, the Edwards' kitchen windows are equipped with Venetian screens—something new to us. These screens are slotted in such a way as to permit passage of air but serve to screen out direct sun rays. They cost about twice the amount of old-style screens but eliminate need for blinds or curtains.

Many times space in corners of built-ins is wasted. Mrs. Edwards got around this by using an idea from her sister-in-law, Mrs. Donita Hughes, of Hamilton. She left the corner section of her cabinet counter top so it could be lifted off, or tipped up (not hinged). She then uses the corner space as a clothes hamper. Since

the electric washer is right alongside, the soiled clothes are in a mighty handy spot when wash time comes.

Later Mrs. Edwards plans to cut an opening into the hamper from the bedroom hallway. This will save many steps.

Another washday idea is the perpendicular rack next to the washer. This rack is just wide enough to hold jugs and boxes of wash-time ingredients. Everything needed is at her finger tips as she stands at the washer.

Whether you are on a natural-gas line or use LP gas, wall-type gas heaters are becoming popular where no basement is available and where a floor furnace is not practical. Mrs. Edwards finds her wall heater in the kitchen is decorative as well as practical. A 2-way wall heater also is being installed in the part-partition between living and dining areas.

Do you have a spot in the hallway or some place where you could put a broom or cleaning closet if you had room for the door? Mrs. Robert Nixon had just such a place left in a back hallway when she drew [Continued on Page 16]



A PULL-OUT rack alongside washer holds all wash water ingredients. When wash time comes everything needed is at Mrs. Edward's finger tips.



CORNER CABINET space, usually wasted, is used for clothes hamper in Edwards plan. Automatic washer is just to right of hamper space.

NOTE: Be sure to read the story, "Couldn't Spend a Fortune," on page 6 in this issue. It tells how 4 families got better housing at reasonable cost.

Thoughts TO LIVE BY

"Four Anchors"

WHAT do you do when trouble comes? Sooner or later, the cold hand of tragedy is laid upon our necks. Sometime, the brutal blows from the club of catastrophe fall upon us. What do we do when the going gets rough?

Many years ago, a prisoner named Paul was being transported to Rome for trial. A storm arose upon the Mediterranean and battered the small ship in which he was sailing. Altho the cargo was jettisoned, the ship was nevertheless tossed about by the angry sea for many days. On the fourteenth night, Paul became the dominant personality on board the ship. When the sailors reported from their soundings that the ship was approaching land, this prisoner warned that no one was to leave the ship. Otherwise, they could not all be saved. So they dropped four anchors and waited for the dawn.

Few of us will ever experience shipwreck, but all of us at some time will sail upon troubled seas. Fortunately, there are anchors that we, too, can drop as we wait for the day. In the thirteenth chapter of his first epistle to the Corinthians, this same Paul suggested three anchors that we all can use.

The first is faith. It takes faith for a farmer to plant his seed and wait, but by experience farmers learn such faith is justified. It takes faith for the patient to swallow the medicine prescribed by the physician, but the sick man may be saved by such faith. Faith in one's own judgment,

and faith in the goodness and power of God are a strong anchor in "the dark night of the soul." Faith says, "All things work together for good to them that love God."

The second anchor is hope. Whereas faith pertains to the present, hope pertains to the future. Faith reaches to the horizon; hope goes beyond it. Hope sets before us a better day. It gave the prophets their vision. Hope keeps our dreams alive. In the dark night of death, hope speaks about "a new Jerusalem" in which there is no sadness nor suffering.

The third anchor is love. "Love never fails." This is not physical infatuation for that grows old and fades. It is not discriminating friendship for that has its limitations, but it is active good-will. To express that concept, the Biblical writers coined a new word (agape) which does not appear elsewhere in Greek literature. This love that never ends, never fails, assumes the endurance of lovers. Love does not survive apart from personality; it is a function of personality. Not even death can conquer love. Love is "the greatest thing in the world." It banishes resentment and brings us into fellowship with God. Blessed is the man who has love for an anchor.

The fourth anchor? Oh yes, the account says there were four. Have you discovered what the other one is? Do you have an extra anchor in readiness in case a storm arises? It might be helpful to others for you to share what you consider the fourth anchor to be.—Larry Schwarz.

Patsy Wasson Wins Kansas 4-H Reporters Contest

PATSY WASSON, member of the Prairie Schooners 4-H Club in Ford county, is winner of the 1951 Kansas 4-H News Writing Contest. She has been reporter of her club 3 years, and won 2nd in the state contest last year. Two years ago she was a blue-ribbon winner.

Richard Drussel, reporter of the Wide Awake 4-H Club in Finney county, is 2nd place winner this year. Third place went to Beverly Smith, reporter for Ninneseah Livewires 4-H Club, Pratt county.

Reporters named to the blue-ribbon group include Ardella Rusk, Sumner county; David Nies, Pottawatomie county; Sue Moyer, Brown county; Darlene Winterscheidt, Logan county; Leona Strickland, Labette county; Marguerite Jahnke, Geary county;

Mary Colleen Gibson, Montgomery county; Wanda Stalcup, Stafford county; Frances Calderwood, Rice county; Dale Bandy, McPherson county; Gary Neilan, Cheyenne county; Donna Jean Mathewson, Nemaha county; Linda Lattin, Saline county; Dorothy Nordt, Allen county, and Marilyn Otte, Barton county.

A total of 38 county championship reporters' books were judged for writing ability, coverage, and general effectiveness. Cash awards of \$25, \$15 and \$10 respectively, were made to the clubs of the top 3 entries, by the Kansas Bankers' Association. An award of \$5 went to each club of the blue-ribbon group winners.

One of the 3-member judging committee was Gordon West, associate editor, *Kansas Farmer*.

Shawnee 4-H Band Honored at Chicago Congress

A THRILL of a lifetime and an outstanding honor came to the Shawnee County 4-H Club band when they made a trip to Chicago to attend the National 4-H Congress November

28 to 30. The group played both at the 4-H Congress and at the International Livestock Exposition.

Merle Eyestone, county 4-H agent for the group, said it was the first time in the history of the Congress a band so large played there. The band led the livestock parade in the main arena, and played for the main livestock banquet.

Ed Tonar, former professional band leader and musician, has directed the band since it was started in August 1947. The group has made 108 public appearances before a total of 130,000 persons since that date. The band has played all over the state, has led parades and played special concerts for invalids, and was a feature attraction at the 1951 Kansas Free Fair.

For the Quilter

Instructions for an easily-made quilting frame are given in our leaflet, "My Handy Quilting Frame." A drawing, giving dimensions, simplifies the instructions. A copy of the leaflet will be sent upon request to Home Editor, *Kansas Farmer*, Topeka. Price 3c.



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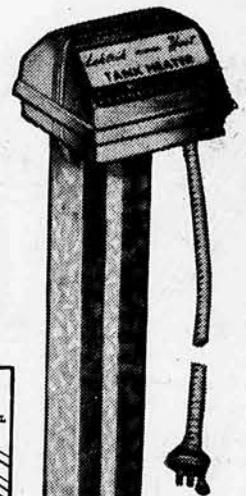
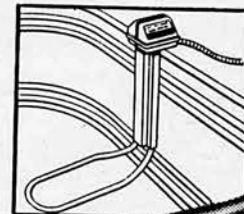
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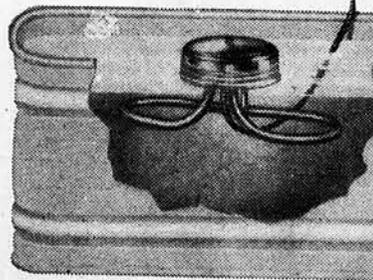
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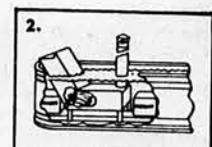
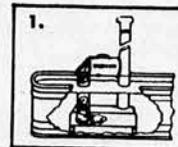


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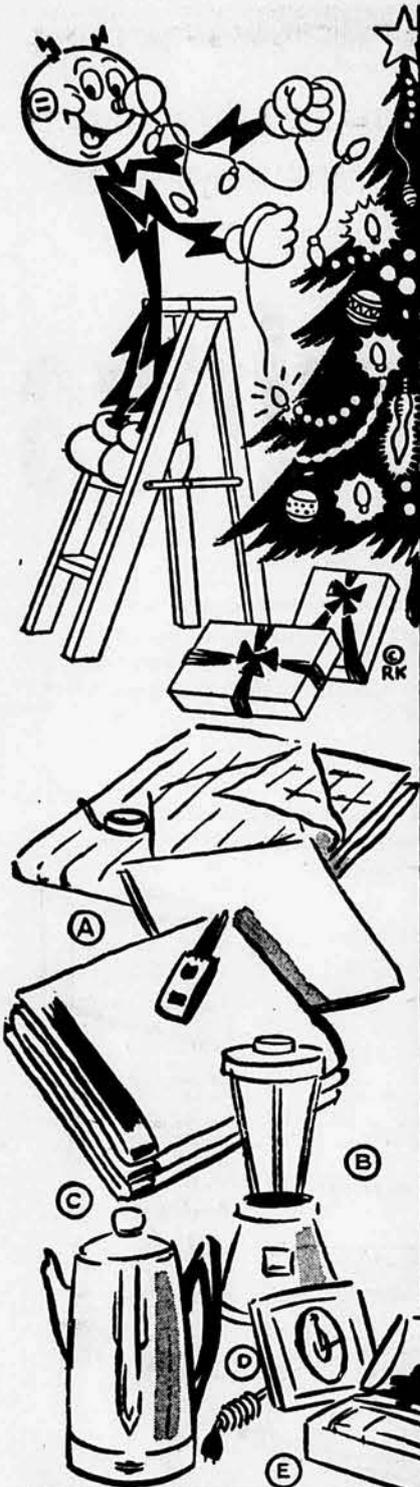
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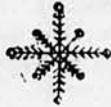
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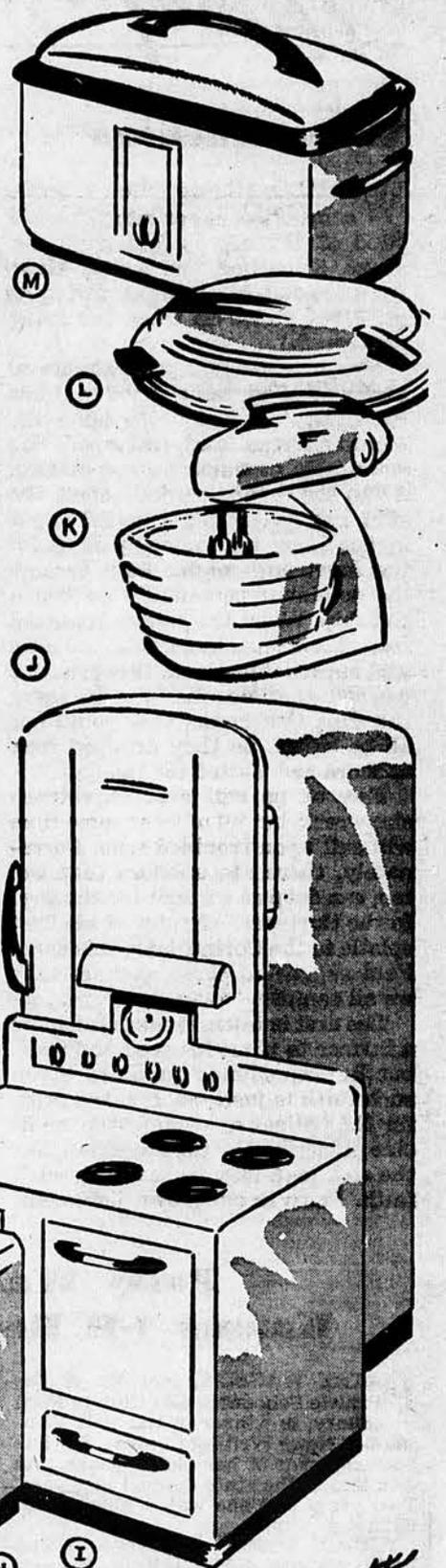
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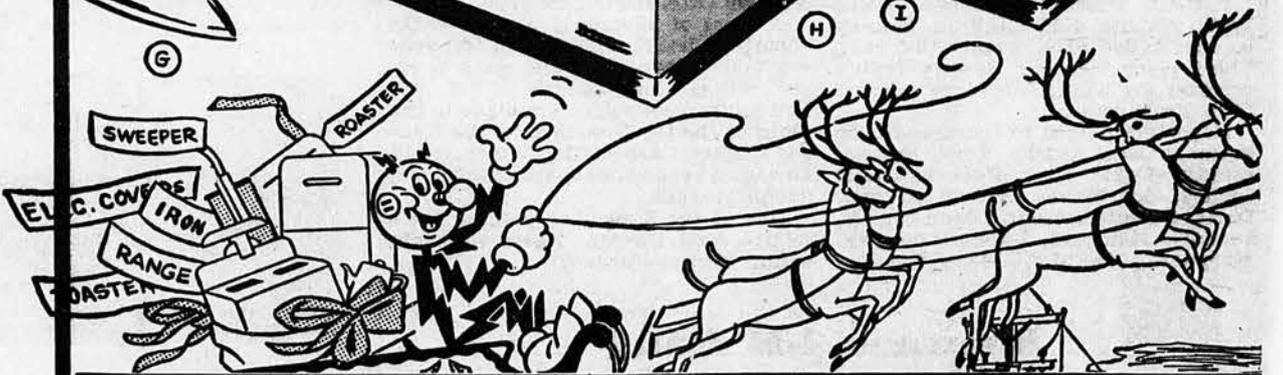


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Coming, Next Issue

Christmas is right on our heels and we're ready in the Home Department of the next issue with ideas for good eating, new recipes for cranberries and a new orange pecan bread. There will be suggestions for table decorations and place cards. A second story gives unique and unusual ideas for wrapping Christmas packages. Watch for the Home Department of the December 15 issue.

New Way to Prevent Vegetable Losses

By WILLIAM G. AMSTEIN, Kansas State College

AS MUCH trouble as most folks have storing vegetables every season, many of us will be interested in a new method now being developed to prevent these losses. Almost spectacular results have been obtained with a new treatment material in keeping stored vegetables from sprouting. In addition, it has been possible to prolong storage life and decrease storage losses in onions, potatoes and certain other vegetable root crops. This material, known as maleic hydrazide, has given good results used in a variety of ways. Much of the work has been done at Michigan State College by S. H. Wittwer, formerly located at the University of Missouri. He is the same man who helped develop treatment for earlier fruiting of tomatoes.

In the Michigan test work they have used a foliage spray of maleic hydrazide on onions at pre-harvest time. This treatment seems to have worked on all varieties of onions and they have kept the bulbs completely dormant. There has not been any unfavorable results on flavor, color, odor or general appearance of the onions. The treated onions have remained firm several months longer than untreated onions.

Better Quality and Higher Yield

Another advantage of this onion treatment will be secured from the fact that better quality and higher yielding varieties that are commonly poor keepers can be used. With hybrid varieties of onions that are now becoming available, this treatment will also be valuable since several of these new ones have not shown too good keeping quality.

Certain precautions are suggested in treating growing onions. The leaves must absorb the chemical and move it into the bulb for the treatment to be most effective. Applied too early, hollow or puffy bulbs that are very poor keepers will result. Usually the treatment worked best applied 1 to 2 weeks before harvest.

In handling Irish potatoes by this

method, the spray has been applied to the vines about a month before harvest. No sprouting developed while potatoes were in storage. Potatoes treated in this way showed no sprout growth although held at 55° F. for 7 months. In fact, when treated with maleic hydrazide, the potatoes remained so completely dormant they were of no value for seed purposes. Folks interested in manufacturing potato chips find this treatment results in better quality, lighter-colored chips since less sugar is accumulated in these potatoes.

Good results have been reported in preventing storage sprouting of carrots, beets, parsnips, turnips and rutabagas. Foliage of these crops sprayed with maleic hydrazide 1 to 3 weeks before harvest gave as complete dormancy as secured on Irish potatoes and onions.

A wetting agent such as soap or a detergent is used with the maleic hydrazide to improve the sticking qualities and a more uniform coverage results. Even though it has rained within a few hours after spraying, storage results have been satisfactory.

Some may question the value of spraying before harvest as contrasted with treating after harvest. Results have usually been better with spraying the foliage rather than the stored products. It is our hope this test work can be made available in trade name products that will be sold in a convenient form for gardeners to use. We will keep you posted in *Kansas Farmer*.

Plan Now For Seed Corn Supply

Make arrangements early to get seed of corn hybrids for planting next spring. Carl Overley, Kansas State College agronomist, says unfavorable weather conditions last summer curtailed yields of crossing fields planted for seed production. Reports from seed producers indicate Kansas-grown seed of both yellow and white hybrids is in shorter supply than a year ago.

GRANDMA By Charles Kuhn



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

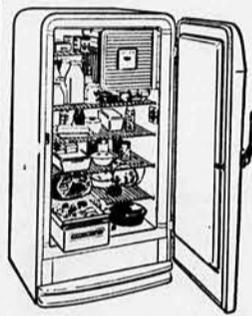
Frigidaire

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

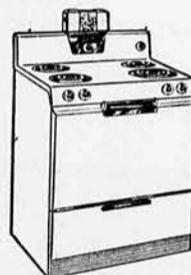
The Frigidaire refrigerator, electric range and food freezer (representative models shown below) are outstanding examples of the year-round quality of Frigidaire gifts. In addition there are the great Frigidaire Automatic Washer, dryer and ironer

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.

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The 30-inch automatic electric range with the largest home oven ever built is ideal for the farm home and priced at only \$222.75.



Here's the 9 cu. ft. Frigidaire Food Freezer (also available in 12 cu. ft. and 18 cu. ft.) which can soon pay for itself in economy. Only \$394.75.

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We Are Seeing America

By FRANCES R. WILLIAMS

Note: As promised last issue, *Kansas Farmer* brings you up-to-date this time on our "Wandering Williams" family. We simply had to get them back on their Marshall county farm from San Francisco—so this article starts out that way. Then Mrs. Williams goes into detail about how they plan trips, how they cook, how they make a bed out in their car, what clothes and foods they take along. This certainly is one article you will want to keep for reference when you make your trips. Next series of articles by Mrs. Williams will be, "We Are Seeing America, West and Southwest." You won't want to miss a single one.
—R. H. G.

THE travel articles published during the summer of 1951 in *Kansas Farmer*, described our 1950 travels and left us, "The Wandering Williams," in San Francisco. We returned to our Marshall county farm home October 1. Spring and summer of 1951 was a trying time for Kansas farmers. As soon as flood danger was past, we again headed west, going directly to Lassen Park in California. Here we camped with our daughter and family on the shores of the beautiful Lake Manzanita. The weeks passed all too quickly. With the 3 little girls, there were many exciting adventures: following the tracks of deer on trails thru the manzanita brush; keeping still as mice to watch a covey of quail; learning names and habits of the birds; identifying wild flowers of the region; pointing out varieties of conifers found in the park.

There were long hikes and mountain climbs, picnics and fishing expeditions in the park and into the adjacent national forest. While some of the family fished I gathered wild manzanita apples, currants, chokecherries and blueberries, making the delectable wild fruit jelly over the camp stove until every empty jar was filled, much to the amazement of our camp neighbors.

It was a thrill counting deer as we drove slowly along the park highway in late afternoon and evening, or sitting silently in the car so we would not frighten away the wild bears that came down from the mountains at dusk to feed at the camp garbage dump.

The homeward trip included a visit to Monterey, first capital of California; Las Vegas, Nevada; the Hoover Dam, Zion and Bryce national parks, the Grand Canyon, Petrified Forest, Santa Fe and Taos, New Mexico. As this is being written we are making plans for a second trip into the Deep South.

Now for the Questions

There have been many questions about our equipment. How do you fix the car to sleep in? How do you cook your meals? How do you plan your trips? What clothes do you pack?

We have a 1950, 4-door light car. When we start on a long trip we lift out the entire back seat cushion and back of the rear seat, which provides a space 7 feet long extending back into the trunk of the car, ample room for sleeping quarters for 2 people.

After the entire rear seat is taken out, one discovers the car floor has a hump running lengthwise and a hump over the rear axle. The problem of making this space level was solved by building a frame of boards, just wide enough to fit inside the car and long enough to extend back to the edge of the trunk. Height of legs of the frame, 12 or 14 inches in front, raised the frame to the level of the floor of the trunk. Other makes of cars may be more simple to convert.

Some of the crosspieces of the frame were left loose. The frame is covered with wallboard in 2 sections. This allows easy access to articles stored under the frame. The result is a smooth platform on which to lay the mattress.

Air mattresses have solved the problem of a comfortable bed for us. Others prefer a sheet of foam rubber.

We consider a dependable gasoline pressure stove of greatest importance for a successful camping trip. A campfire is a comfort to dispell the chill morning and evening air, but pity the poor camper who must depend on a campfire to cook his food. We find the metal folding stand for the stove useful if camp grounds are crowded and tables scarce. In Florida, where electricity is available in most state parks, we found a small hot plate useful. Our folding table has proved its worth on many trips.

Our Cooking Utensils

We manage with few cooking utensils: a small, heavy iron skillet with a fitting aluminum lid; 2 small pans, one 3-quart pan with handles that nest together and fit into a 2½ gallon pail; one square enamel pan, which serves as a dishpan; the pan pressure cooker, which cuts down on the time needed to cook meats and vegetables. We have added a new gadget (still untried), a covered dish oven affair to bake biscuits and potatoes on top of the stove.

The car icebox keeps food in good condition if one can get ice. But if ice cannot be located, the box makes an excellent place to store eggs, bacon and butter. One soon learns to buy perishable food in small quantities. We make it a rule to carry a thermos gallon and 2 glass gallon jugs filled with water. With 3 gallons of water, one can make camp anywhere.

Our sturdy basket, which occupies the space between the 2 of us in the front seat, contains table service for 3 (we sometimes have a guest). Flat bottom enamel cups, enamel plates, plastic glasses, cereal bowls, 1 cooking fork, small pancake turner, 1 utility butcher knife, 1 paring knife, 3 tablespoons, pyrex funnel, 2 can openers, one that cuts a smooth edge around the can, one of the punch type for juice and milk cans; 1 small mixing bowl, and 1 quart pitcher, which doubles as a bowl, a milk or fruit juice container, a tea or coffeepot. All dishes are selected to fit together to save space. Two pint thermos bottles have replaced the quart bottle we carried until it was broken. We also keep in the lunch basket, paper napkins, plastic food bags, a few small cans and jars of assorted meat and cheese spreads, powdered coffee, tea bags, powdered milk, bouillon cubes, cookies, crackers, peanut butter, butter and sugar in small jars with tight lids and salt and pepper shakers.

Food supplies are stored under the

(Continued on Page 15)



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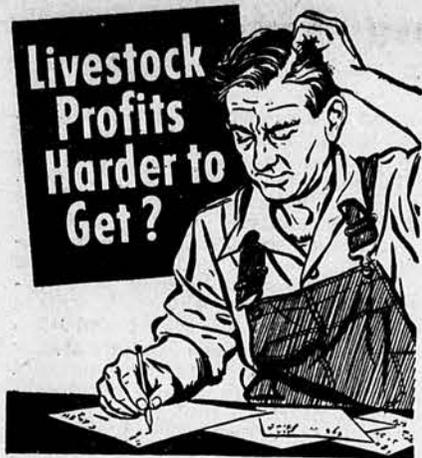
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CAMPING OUT can be pleasant, comfortable and convenient with side-tent for car, air mattress for bed in car, gasoline pressure stove for cooking, suitable but easy-to-pack utensils, and the right clothes. Here Mrs. Williams exhibits stove, table, camp chairs, air mattress and tent.



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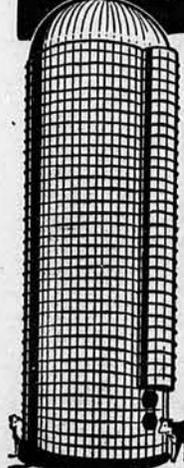


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frame which holds the mattress. We pack the car with a goodly supply of home-canned fruits, vegetables, chicken, jelly and relishes. Vegetables from our garden—potatoes, onions, carrots—stored in mesh bags are fitted in the space around the spare tire in the trunk. Altho we cook most of our meals, we make this chore as simple and easy as possible. We make use of home-canned products as well as condensed soups, stews, canned mixtures and prepared foods. While on the road, we find it convenient sometimes to eat breakfast at a restaurant. When we cook our breakfast, we heat extra water to fill the 2 pint thermos bottles to make hot drink for noon lunch. Sandwiches are made and stored in the plastic food bags. Our lunch is spread on top of the basket between us. Or we may decide on soup. The evening meal usually is more elaborate, but the pressure pan cuts down on time needed to cook meat and vegetables. We save considerable by cooking our meals.

One will need to pack 2 or 3 each of dish towels, hand towels, dishcloths, washcloths and bath towels. Self-serve laundry equipment is located in most towns and trailer parks, but if a long stay is contemplated in a national park, where modern equipment usually is lacking, it is wise to pack a small lingerie washboard. The old-fashioned rub-and-scrub method must be used to take care of soiled linens and clothing that accumulate. Cloth bags with drawstrings hold articles mentioned and a length of sash cord and 2 dozen spring clothespins are included.

How About Clothes?

Keeping one's clothes neat and wearable while traveling is a problem. We learn by trial and error. We bought a wardrobe trunk, which keeps our best clothes in good condition, but it takes up too much room in the car. Plastic garment bags with zippers hang up in the car out of the way, but do not protect the clothing from strong sunlight. We are trying out a canvas-covered car-sac, which can be taken down and carried, folded up like a bag.

We divide our clothing into 3 groups, selecting materials that will launder easily and keep their press. (1) Traveling clothes that are comfortable, proper for sightseeing or calls on friends or relatives. Weather must be taken into consideration, too. (2) Dress-up clothes for special occasions and places. (3) Casual clothes for camping, fishing, bathing. For western trips, which include mountain camping, one suitcase is packed with woolen bathrobes, heavy pajamas, flannel shirts and slacks. Summer in California valleys calls for thin cottons and cool rayons. In winter, one usually is comfortable in ordinary suits, with a topcoat handy. In New Orleans we wore our topcoats over suits while exploring the Old French Quarter and visiting the docks. On the Florida Keys, we wore summer clothes.

How We Plan a Trip

How do we plan a trip? In our reading, when we find a description of some place which sounds interesting, that article is filed in the box labeled, "Places we hope to visit." We watch magazines for advertisements of travel folders. We study our Atlas of the United States. We locate places that have figured in the news, homes of famous people or noted for historical events, or for beautiful scenery. Whatever route one follows, he should be acquainted with interesting places.

One couple may hesitate to embark on a long trip alone. We have found we meet more people, make new interesting friends because we are alone. Two couples may not have the same interest, enjoy the same things and have different standards of spending.

We find it convenient to carry credit cards in 2 or 3 oil companies so cash need not be used to pay for oil and gas used on the trip, but by check upon receipt of the bill. Travelers checks are convenient and a safe method of carrying money.

We make out a list of things to do, and as each thing is taken care of, it is crossed off the list: You have applied and received the guide for your tour thru your auto insurance company or your local filling station; you have loaded your car with equipment; you have checked your flashlight, number of wool blankets; your suitcases are packed; you have identification papers if you should cross the U. S. border; everything is in order. Get into your car, step on the gas, then relax. You are going to enjoy this trip.

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Buy BALL-BAND, the quality brand with the famous Red Ball trade-mark on the sole. For correct fit, lightweight comfort, and hard wear—for warm, dry feet in cold, wet weather, get BALL-BAND Weatherproofs at the store that displays the Red Ball.



Be sure to try the new Liqua-Flex footwear—another BALL-BAND Development, lightest weight and most flexible of all Weatherproofs.

ARCTICS. 4 and 5-buckle heights. Securely anchored buckles, sturdy soles, correct fit.

CORPORAL. Rubber pull-over boot for women and girls. Lightweight comfort with high protection.

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Would Changes Fit?

(Continued from Page 10)

her remodeling plans. Here is how the family solved that problem. They built the door in 2 sections and hinged it down the middle lengthwise. The door-knob is just off center. When you pull out on the knob the door comes out and folds over to only half the width when closed.

On room entrances the Nixons used the old-fashioned doors from the original house, but covered them on both sides with sheets of plywood so they resemble panel doors.

An outstanding feature of the Nixon home is the large amount of storage space worked into the floor plan. An unusual storage idea used by Mrs. Nixon is her sewing center, a recessed closet for storage of her sewing machine, patterns and materials. There also is a slot for ironing board. This closet is only 20 inches deep from wall to outside of door, and certainly is a worthwhile use of space since it holds all the sewing things in one place and all of them can quickly be put out of sight when necessary.

A specific problem in the Roy Schurter farm home was how to modernize a bedroom that had no closet space, without chopping up the room size.

The answer was a floor-to-ceiling storage wall that took off only 21 inches across one length of the room. "We didn't even miss the space it took," says Mrs. Schurter. The closet was built in sections outside the home, then brought in and installed, so there was little or no mess.

Two sliding doors on the storage closet separate 2 types of storage. On one side is hanging storage for clothing, while on the other side are shelves and drawers for storage of flat items. Still more storage for miscellaneous items not often used is provided between the top of the clothes closet and the ceiling. Entire cost of this wall storage closet was only \$130.

Mr. and Mrs. Max Nixon put nearly half of their remodeling money into the

basement, which automatically doubled their living and storage space. Care also was taken in planning so the house could be expanded in size later, if needed. This is an important point if you have a growing family.

According to Mrs. Nixon considerable savings can be made in some areas of the home by buying unfinished furniture and finishing it yourself. This is what she did for her dining and business center areas. Her dining table is of drop-leaf design but has the unusual feature of 4-drawer storage in the center section. These tables can be purchased in the unfinished wood at many furniture stores.

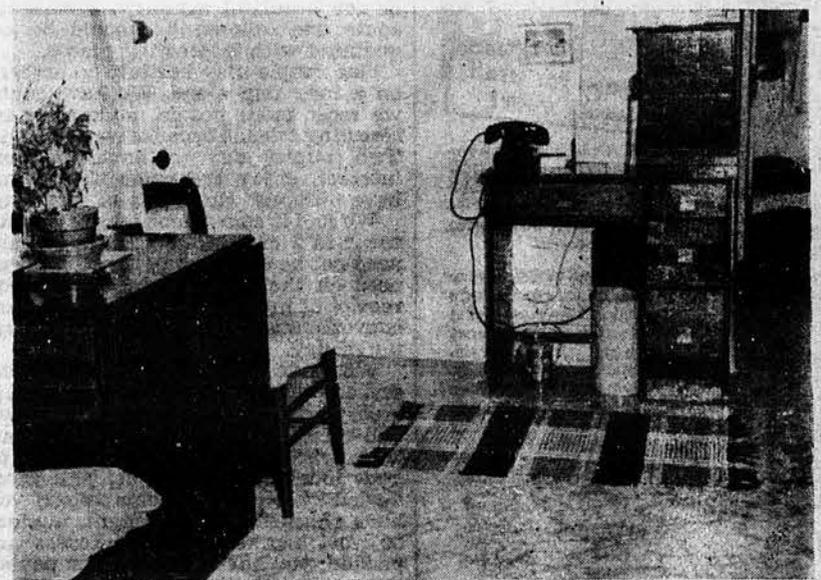
If you will study the picture of the Nixon dining-business center accompanying this story you will note the desk also serves as phone stand and the cubbyhole under desk as an ideal spot for wastepaper basket.



LACK OF SPACE is overcome with this center-hinged cleaning closet door in Robert Nixon home, Greenwood county. Holes are for ventilation.



AN OLD BEDROOM was modernized in Roy Schurter home, Greenwood county, by installation of this wall storage closet that gives 3 storage areas for clothing, bedding and miscellaneous. Total cost was only \$130.



AN EATING-BUSINESS center can be worked out at very little cost by using unfinished furniture and doing your own finishing. This was done in Max Nixon kitchen, as shown here.



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Marketing Viewpoint

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

I have some early fall pigs and will have to buy corn. Would it be better to sell the pigs now or buy corn and feed them? I have a neighbor who has some soft corn and would like to feed some pigs on a share. Can you tell me what would be a fair share to both parties? —J. G.

I think you would be ahead to feed these pigs rather than sell them now. Stock pigs have declined sharply in price as the fat-hog market has declined. We expect the fat-hog market to rise again after early December and go above the \$20 level during February. I would suggest you head for market before the middle of March if possible.

You can make good use of soft corn, feeding it to hogs. However, it is difficult to estimate the feeding value of soft corn. I would suggest if you go into partnership with your neighbor you try to make a deal in which you pay him a certain price per pound of gain added to the hogs. You would get the March price for fat hogs for the original weight of the pigs, plus any margin above the cost for the additional pounds added. This would protect you against overestimating the feeding value of soft corn. Your neighbor would get a return for his corn based on the amount of pork it will produce. This would seem to me to be a fair method of sharing the returns.

When will it be best to buy our protein supplement for winter feeding? What will be the cheapest? —S. J.

During most years there has been a slight decline in oilseed cake and meal prices during October and November. But, prices have been moving up this year. Considerable strength has been shown all fall even tho a large cotton and soybean crop indicates larger cake and meal supplies. I believe protein supplements should be bought more or less on a hand-to-mouth basis, buying in large enough quantities, of course, for economical handling. This means keeping from 1 to 2 months' supply on hand.

Another weak spot in prices frequently occurs in late winter or early spring. If there is no drop in prices during the next 45 to 60 days, then we are not likely to have much change in prices thruout the feeding season except if we should have a general price decline (an unlikely prospect).

Now for your second question, "Which will be the cheapest?" It is interesting to notice how much the prices of protein supplements vary one from another. At one time, cottonseed meal is much higher than soybean meal and at other times, soybean meal is the higher in price. You didn't say what kind of livestock you are feeding but you implied you are feeding cattle. Nutritionists at Kansas State College say cottonseed, soybean or linseed cake and meal have about the same feeding value per pound of protein when used in the ration to fatten cattle. This being the case, you should buy the supplement that is lowest in price per pound of protein.

Some time ago you mentioned ceilings on the farm price of milk were not likely this winter. What is the present situation? —P. D.

Using the latest available information we find on October 15 butterfat prices for the U. S. were 88 per cent of parity while milk was at 95 per cent of parity. While some increases in prices may occur in the next month, it does not appear likely price ceilings will be a problem for Kansas dairymen for the balance of 1951.

Alert for Safety

There still is a limited supply of the little booklet, "Safety First in Kansas Farming," and your order will be given prompt attention. Everyone should be on the alert to avoid accidents and this booklet is most helpful to aid in our thinking of safety. It is well illustrated. Write Bulletin Service, Kansas Farmer, Topeka, for your copy.

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Ford Farming MEANS BETTER WORK ... MORE PRODUCTION

Kansas Farm Home and Family

FLORENCE MCKINNEY, Editor



Flavor Is the Thing

Her cooking, friends will all agree
Is tasty and so nice,
I think it's merely that she's free
With onions, salt and spice.

A GOOD home cook is she who flavors the recipes to tempt the appetite and uses something new in the way of seasoning. The old adage that variety is the spice of life, is never more true than when cooking 3 meals a day. And one of the best reasons for adding variety is the enjoyment it gives the cook. New flavors are in style.

Pumpkin-Mince Pie

1½ cups stewed or canned pumpkin	¼ teaspoon ginger
1 cup light cream	1 teaspoon cinnamon
¾ cup brown sugar	¼ teaspoon nutmeg
½ teaspoon salt	2 tablespoons butter
1 cup mincemeat	2 eggs

Combine pumpkin, light cream, brown sugar, salt, spices and butter in a saucepan. Cook over direct heat until butter is melted. Remove from heat. Beat together one whole egg and the yolk of the second egg, add to pumpkin mixture. Beat remaining egg white until stiff, then fold into pumpkin mixture. Spread mincemeat in bottom of unbaked pie shell. Pour pumpkin filling on top of mincemeat. Bake in hot oven

(425°) for 10 minutes. Lower temperature to moderate (325°) and continue baking for 30 more minutes. For serving, garnish on top the pie with cheese cut in fancy shapes with cookie cutters.

Easy Mince Pie

2 cups mincemeat	½ cup seedless raisins
1 cup applesauce	

Mix mincemeat, raisins and applesauce. Pour into an unbaked pastry-lined pie plate. With the cookie cutter, cut leaves or other figures from remaining pastry. Place them on top and bake in moderately hot oven (400°) for about 35 minutes or until crust is golden brown.

Hamburger Harvest Casserole

1 pound hamburger	2 cups corn, drained
1 cup chopped onion	2 cups lima beans, drained
2 cups cooked tomatoes	½ cup sliced green pepper
1 teaspoon chili sauce	1 cup buttered bread crumbs
2 teaspoons salt	
2 potatoes, sliced thin	
½ cup flour	

Combine hamburger, onion, tomatoes, chili sauce and salt. Pat meat mixture into a 1-inch layer in a 3-quart casserole. Over the meat mixture place layers of potatoes, flour, corn, lima

beans and green pepper. Top with bread crumbs. Bake in moderate oven (350°) about 1 hour.

Sorghum Cookies

1 cup butter	2 eggs
1 cup sorghum	3½ cups flour (about)
½ cup sugar	1 teaspoon soda
	1 teaspoon ginger

Combine butter, sorghum and sugar. Place over fire until melted. Cool. Add eggs and beat well. Add sifted dry ingredients and mix. Chill. Roll and slice. Bake on oiled cookie sheet in a moderate oven (350° to 375°) for 18 to 20 minutes.

Applesauce Refrigerator Cookies

¾ cup shortening	¼ teaspoon salt
1 cup sugar	½ teaspoon cinnamon
1 egg	¼ teaspoon cloves
2½ cups sifted flour	½ cup chopped nuts
½ teaspoon soda	½ cup applesauce

Cream together fat and sugar. Stir in egg. Sift together flour, soda, salt, cinnamon and cloves. Mix in nuts. Add to creamed mixture in 3 portions alternately with applesauce in 2 portions. Form dough into rolls. Wrap in waxed paper and chill in refrigerator. When ready to bake, slice thin. Bake on greased baking sheets in moderate oven (375°) for 10 to 15 minutes. Makes about 5 dozen cookies.



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What About . . .

My Child Who Won't Tell the Truth?

By MRS. MARION QUINLAN DAVIS

A reader asks Mrs. Davis: My children, both under 7 years of age, won't tell me the truth when I question them. Even when I promise that they won't be punished if they tell the truth, it's hard to get them to tell me the truth. What causes this and what can I do about it?

HERE is Mrs. Davis's reply: A child is born neither truthful nor untruthful, nor does he inherit the tendency to lie. Conscience starts to develop at an early age but it develops slowly and irregularly. What mother and father call "good" and "bad" behavior makes up the little child's conscience.

That's why he urges mama to "go way" or to "read" when he wants to do some forbidden act. With his conscience out of sight, he feels he has the green light.

Acquired the Habit

By the age of 8, the child usually has acquired the habit of honesty thru specific instances in his experience and from his parents example. If his experiences have brought him satisfaction as the result of telling the truth, he will practice truthfulness. But if they have brought him pain and discomfort he will be evasive, deceitful and untrustworthy. He has found it dangerous to tell the truth to adults.

Forty-eight per cent of children's lies are based on fear of punishment. Children are easily influenced and eager to receive parental approval. Children who too anxiously scan their parents' faces for signs of disapproval are afraid of their parents. Oversevere punishment in the form of perpetual whipping merely teaches the child to be careful not to get caught and makes it hard for him to tell the truth. Whipping for everything is a lazy method of punishment that gives an outlet to the parent's impatience. It's easier to whip than to discover the cause of the behavior and try to find a learning device that fits the offense.

Other causes for lying are a love of unearned praise, a desire for unearned reward and because he is unable to accurately interpret and report what he sees and hears.

Often he lies because he wishes that what he tells could be true. The parent must try to understand the reasons, his point of view and the circumstances that produced the lie.

Accusing a child of wrongdoing is an invitation to lying. Adult witnesses grow confused in the witness box under the relentless cross-examination of a prosecuting attorney. Think how much more confused they would be if faced with a giant 3 times their height and weight! Often, in case of panic, a lie seems the nearest exit. Self-preser-

vation is a strong drive in all human beings.

The indirect approach is best at any age. "I wonder who broke these glasses?" is more likely to produce the truth than a direct, "Did you do this?" If a reckless child persists in breakage or evasion, try locking away some cherished possession of his. This may help him learn to respect the property of others.

Parents who persist in asking the same old question, "Did you wash your hands," and "Did you brush your teeth," are using a form of lying themselves, because they know he didn't. It's best to look at the hands and teeth and send the child back to do it properly.

Reward your child for honesty with praise. Expect him to be truthful. Express faith in him and tell him he has made a mistake, but you know you can trust him. Never suggest the possibility he may lie to you. Even if he tells you the sugar bowl tipped over by itself, never brand him a liar. He is not a liar, but a small person who has not yet learned to tell the truth. That does not mean adults excuse the incident, but merely means the positive approach is the most effective.

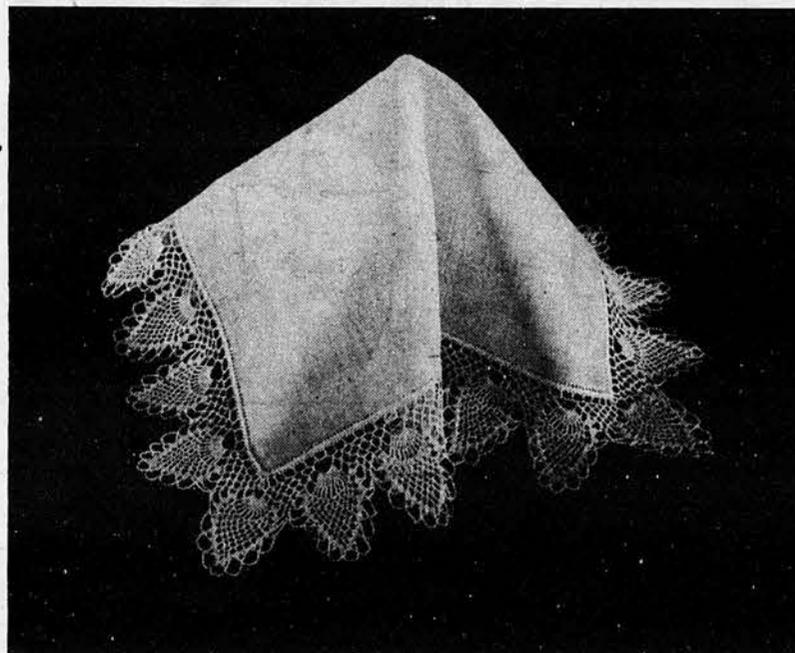
The 6-year-old in particular is likely to evade, deceive and lie in order to do what he wants to do. At this age he has little respect for property rights and is likely to filch shiny objects from mother's purse and to bring chalk, crayons and erasers home from school. In such cases, the parents should see that he gets neither pleasure nor profit from these collections. "We will go back to school and return these things. They belong to the school board," is a good way to handle it.

Learn by Example

Research has revealed that children learn more from parental example than from all the copybook maxims and Sunday school lessons. Always make your word good with your children whether it is a promised punishment or a promised treat. Avoid "white" lies in front of children. They cannot easily distinguish between tact and lying. Children become confused by cordial greetings that turn into post-mortem criticisms. Never warn a child, "Better not let your father know about this." The poisons of deceit and disunity enter the family circle when this happens.

If daddy and others disobey traffic organizations and boast, "I got by that time!" children will imitate their standards of citizenship. Parents who admire the dishonest, rich and powerful, set standards of dishonesty in their children. Stories about great and honest Americans and other world citizens, and the example of parents with moral integrity and honor, will mold our children's attitude in regard to truth.

Popular Pineapple Edging



Handsome crocheted edging for handkerchief or household linens. Order direction leaflet No. 9187 by sending 5 cents to the Home Service Editor, Kansas Farmer, Topeka.

The Poet's Corner



Said a plump little pig, "I'm a goose
To be eating all day . . . what the use?
If I get any fatter,
I'll end on a platter,
What I need to do is reduce."

—By Margaret Whittemore

A Laggard Housekeeper

Dirty dishes in the sink,
Mending piled high,
Work can wait while Paul and I
Chase a butterfly.

Dust upon the parlor chairs,
Streaks across the windowpane.
Work can wait while Paul and I
Pick daisies in the lane.

Yes, work can wait till afternoon
When the sandman takes his cue,
For Paul, the little vagabond
Has just turned two.

—By Margaret Fenn.

Need More Rugs?

Various sizes and kinds of rugs are suggested in our bulletin, "Homemade Rugs." Complete instructions with drawings are given. There also are instructions for making footstool tops, chair seats, and other similar articles every woman likes to have. Send 5c to Home Editor, Kansas Farmer, Topeka, and we will send you the rug bulletin promptly.

A Collector's Item

Some housewives treasure sterling
And some save any antique,
Some go in for hammered copper
And some for Wedgewood seek.

My own collection isn't ancient
But it certainly is sterling,
As we collect from year to year
A family is unfurling.

The "hammered" isn't copper
But I take a pounding nonetheless
In playtime with the family
From Paul and Tim and Bess.

My children are not antiques
Nor hammered copper on the wall
But I prefer collected treasures
Like Bess and Tim and Paul.

—By Margaret Fenn.

New Year's Playlet

It is appropriate for school or club. Each month of the year is represented by individual characters—young folks or adults—or duets or choruses. The costuming is simple, yet effective. Write for 1 or more copies of "the Old Year's Vision," at 5c each, to Entertainment Editor, Kansas Farmer, Topeka.

Sorry to Regret

My refrigerator just now
Is in state I deplore;
Overcrowded conditions
Forbid opening the door.

Clothes closets likewise
Are bulging . . . with reason
They now possess clothes
For both this and last season.

The desk is piled high
With papers not recent;
My housekeeping proper
Is just barely decent.

I know the solution
But hate to admit
I should stay at home
And catch up a bit.

—By C. S. M.

Supertime Chant

Supper's ready
Piping hot
One eye's upon the window
One upon the clock
My mind's turned weatherward
I hope the cows are in
A storm is coming up
The gale is bound to win.
The sound of heavy shoes
Stamping off the snow
All's done and well without
Now on the dishes go!

—By Pauline Bender Rhoden.

Acorn-y Conundrum

If time can take an acorn
And from it grow a tree,
Who knows? Perhaps time yet can
make
A writer out of me.

But while the acorn, treeward
bound,
Knows quiet resignation,
My writing growth is checkered
with
Rejects and perspiration.

—By Alice F. Blackwood.

Refinishing Furniture

To answer many questions from our subscribers, a leaflet, "Refinishing Furniture," has been prepared. The instructions are easily followed and are reliable. If you have questions about this subject—how to remove old finish, fillers for holes and cracks, stain, varnish, shellac, care of brushes—you will find the answers in this 3-page leaflet. Write Farm Service Editor, Kansas Farmer, Topeka, and enclose 3c for postage.

Threads Your Needle



FOR THOSE who have trouble threading needles, here is the Wink needle threader which does it for you. It's made of Bakelite plastic and by the Wink Needle Threader Co., 185 Clinton Avenue, Brooklyn, N. Y. Price \$1. It may be ordered from the manufacturer.



MISS SUSIE WEDEL of Canton, Kan. When we visited her flock in October to take this photo, Miss Wedel said: "My Hy-Line hens have continued to lay well after completing their year's lay. They averaged 66% production during August and September." High egg production for 14 or more months is a plus value in Hy-Lines.

MISS WEDEL'S HY-LINES
Averaged 260 Eggs Per Bird
(From August 1, 1950, to July 31, 1951)

Good Management & Good
Feed Netted \$4.92 Per Bird
With *Hy-Line* Hybrids

MISS SUSIE WEDEL of Canton, Kan., housed 277 Hy-Line pullets on August 1, 1951. These Hy-Lines laid a total of 72,179 eggs in one year for an average of 260.6 eggs per bird housed. Miss Wedel culled 23 birds; 16 died . . . leaving 238 hens in her flock at the end of the year's lay. Her flock depletion was 14.1% for the year. And that is not all. Miss Wedel earned a net labor profit on this flock of \$4.92 per bird . . . over all expenses including the cost of chicks and rearing the pullets.

HY-LINES ARE PRODUCING 20% MORE EGGS In 52 "Divided Flock" Tests

The 52 Kansas farmers who are conducting "divided flock" tests, report: Their Hy-Lines are averaging over 20% more eggs than their standard-breds and crossbreds. These farmers wanted to know: "Are Hy-Lines more profitable?" They have learned that on the average, Hy-Lines pay for their extra cost as chicks in about 3 months of production. Then Hy-Lines earn extra egg profits during the other 9 months of the year. Send for a complete report of these divided flock tests.

RAISE HY-LINE CHICKS IN 1952: Get extra egg profits with Hy-Lines next year.

Write today for free Hy-Line Chick Catalog



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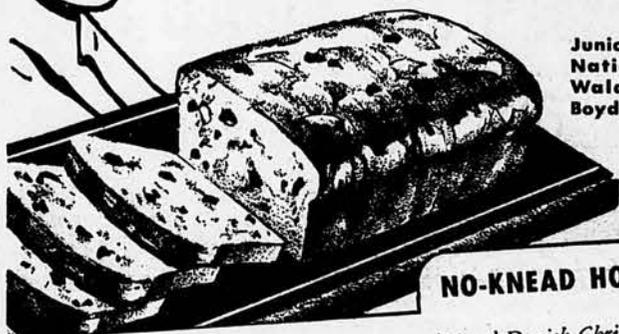
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Contained in pleasant-tasting Syrup Pepsin

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 ¼ cup warm water (110° to 115° F.). COMBINE ¼ cup shortening, ¼ cup sugar, 1½ teaspoons salt, ½ cup scalded milk. COOL to lukewarm by adding ¼ cup cold water. BLEND IN 1 egg, ¾ cup raisins, ½ 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 1½ hours. BAKE in moderate oven (350° F.) 50 to 60 minutes. *If compressed yeast is used dissolve in ¼ cup lukewarm water.

RED STAR IS THE FIRST 3-WAY IMPROVED DRY YEAST



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QUICKER RISING...
KEEPS FRESH LONGER



MAY WE SEND YOU 100 NEW SEALS?



A sheet of 100 gummed and perforated seals will be sent to each person who expects to make a cash contribution to the crippled children fund between now and Christmas. They are four-colored reproductions of this painting by Ranulph Bye and are the kind of seals you like to have on hand to brighten up your holiday mail.

A sheet of seals is now ready for you. Write to The Capper Foundation for Crippled Children, 8th & Jackson Sts., Topeka, Kansas, and say, "You may send me a package of those beautiful seals at once. I expect to make a cash contribution—whatever I can spare—to the crippled children fund sometime between now and Christmas."

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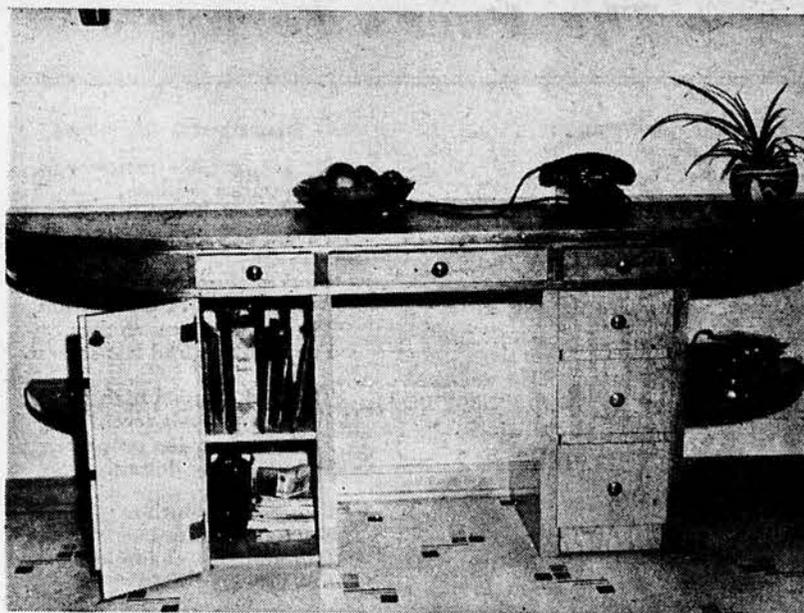
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A Must for Every Farm Home



PLACE FOR PLANNING: Every farm is a factory and needs a bookkeeping and planning center. Here's a place for storing record books, bills, receipts, cook-books and work space aplenty.

Christmas Cards A Family Affair

ONE year the Whitman family waited until the last minute to send their Christmas cards and had quite a mix-up. Mr. Whitman dutifully signed and addressed all the cards stacked in front of him on the dining table. He didn't stop to read them or write anything but the family name, so he failed to notice one box held all-occasion cards intended for gifts.

Fortunately, he forgot to mail the cards and one of the children looked at all the pretty scenes. He discovered that some real surprises were about to be mailed. The couple with the new baby was to receive a sympathy card, the minister, a card addressed, "To My Darling Daughter," and a spinster aunt, "Birthday Greetings from your Son."

That experience gave the family such a jolt they worked out a system for sharing the activity and found the whole problem of sending greetings simplified.

First of all, they agreed to divide the responsibility of getting the cards ready to mail early. They made a list of all names and addresses of the friends to get cards and another list of those who would expect a letter.

On every greeting, each member of the family signed his name with a different colored ink to add a touch of personal giving. After all, a totally printed card is somewhat like a good friend who nods in passing but never stops to chat.

Several weeks before Christmas the children helped address envelopes. A return address was written on each, so

friends would have the correct address and the post office could return the card, if unclaimed.

Mother took care of most of the personal notes. One year the family wrote a friendly letter that they mimeographed and a copy was tucked in with the greeting. The family this year is using colored paper for these Christmas letters.

For years this same family has been receiving Christmas greetings from an unknown C. S. so they are all signing complete names. They know their friends are not cheered by a nameless greeting. So photographs can become permanent souvenirs instead of guessing games, they write the name and date on the back of each picture.

After reading that thousands of Christmas cards are burned every year because of insufficient postage or addresses, they have decided that first-class postage is safer.

Greetings are more fun and less work, say the Whitmans, when that fun and work are shared by all the family. They have learned that: Beginning early gives them more time for writing personal notes. Brief notes or gaily colored mimeographed letters or signatures written in colored ink add a warm personal touch to each card. Names, rather than initials identify the sender. Pictures labeled and dated keep their significance thruout the years. Legible writing and first-class postage help postal clerks and carriers enjoy a merrier Christmas season.

In fact, attending to these little tokens of friendship early makes a merrier Christmas for everybody.

News To You?

THERE is a new scrub brush coming on the market with bristles made of plastic. The manufacturer reports it will outlast ordinary brushes 5 to 1, that bristles will not mat and they will stay stiff.

Canned peach halves may be used in many interesting salad combinations. Fill the center of each peach half with a mixture made of cream cheese, orange juice, grated orange rind and a bit of sugar.

Boldly patterned wallpaper overpowers a picture unless some method is used to separate them. A piece of fabric the color of the wall can be placed behind the picture. Or a wide mat can be used to accent the picture and help to distinguish it from the paper.

To hold a plate or dish in an upright position in a cupboard or shelf, cut a strip from a piece of corrugated cardboard. Glue or thumbtack the strip in place near back of space where you want to put the plate. Paint strip to match woodwork.

Use both ends of your rotary ironer to keep the padding firm and prevent

the roll from scorching at the ends. Iron small articles alternately at one end and then the other.

Try putting ice cream between layers of cake for a simple dessert. No frosting needed.

Winterize Your Coat

If cold winter winds blow up your coat sleeves, insert a pair of ribbed cuffs or gathered sleeve linings. Knitted cuffs are available in department stores and are suitable for sport jackets and tailored coats.

Cut lining material to match your coat about 5 or 6 inches long and as wide as the sleeve plus seam allowance. Sew the seam, then attach the cuff. Insert the storm sleeve into the coat and sew to the lining by hand. Match the seam of the extra piece to the sleeve seam and be sure the seam allowance faces the lining of the coat.

For your dressy coat, you may use the gathered sleeve lining. Buy lining material, allowing about 8 or 9 inches for each sleeve. Make it in the same way, but in this case do not use the knitted cuff. Make instead a casing or heading at the lower edge of the extra lining and sew elastic into it.

Notes from the
**BET SUGAR
KITCHEN**
by Nancy Haven



Our Christmas Gift to you

Here's cheer for the holidays and forever after—a booklet that gives you the secrets of successful home-made candy. Also, outstanding recipes for old favorites and the unusual, including After Dinner Mints, English Toffee and Peanut Brittle. Send now for your free copy. (Address below.)

TYPICAL TIPS

"Candy—And How" explains such puzzlers as the causes of sugary candy and how to prevent them; when to stir and not to stir; sure tests for doneness.

GIFT TRICKS

Pack candy in re-usable containers such as loaf pans, ring molds or wooden salad bowls. Or make a glass casserole "package" by decorating cover with stickers and message or monogram in nail polish. Or invent "snowballs"—small coffee cans covered with cotton, sprinkled with imitation snow and topped with a holly sprig.

Merry Christmas Parties

Thrill for small-fry—these cute, easy, pin-money candy trees for place cards or table decoration. Use large red or green gum drop for base and striped stick candy for trunk. Top with cone of paper lace doily and ribbon bow. Slit gum drop to hold place card.



Fine quality Beet Sugar dissolves quickly, evenly—performs to perfection in candy-making every time.

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To bring fast, long-lasting relief, rub on Musterole. It instantly creates a wonderful sensation of protective warmth on chest, throat and back.

Musterole not only promptly relieves coughing but also helps break up congestion in upper bronchial tubes, nose and throat, bringing amazing relief! Any drugstore.



**Farm Price
Supports Cost**

(Continued from Page 7)

d. Expanded use of marketing agreements, orders and quotas.

Wayne Darrow's analysis, based on a 10-year instead of 15-year history, estimates an annual average cost of 110 million dollars for all price supports—with potato supports out of the picture. This would include 5 million dollars yearly for administrative costs. Wayne, who is one of the few real "experts" on USDA operations and program, figures net cost to taxpayers of supporting storable farm commodities only would average around 35 million dollars a year.

Latest defense official estimate on steel-nitrogen relationship is that 20,000 to 25,000 tons of steel are required for a 500,000-ton nitrogen plant. For every pound of steel, 20 to 23 pounds of nitrogen can be produced in a year.

Agriculture "figurers" can take it from there and roam at will: 1 pound of steel equals 21½ pounds of nitrogen; 21½ pounds of nitrogen can convert 7½ bushels of corn into 94 pounds of hog, 56 pounds of steer, 47 gallons of milk or 65 dozen eggs. The steel will be there to do it again the next year.

At the Mississippi Agricultural Experiment Station they have developed corn-growing practices which produce average corn yields of 72 bushels to the acre. Pre-World War II average for the state was 15 bushels an acre.

"The new plan hinges on proper fertilization and management of corn hybrids developed by Federal-State breeders to meet Southern soil and climatic conditions. Joint research begun in Mississippi in 1945 reveals the new hybrids are most productive when planted in close stands and heavily fertilized with nitrogen, phosphoric oxide, and potash." Department release says. "Some 1,300 farmers in the state used this combination in 1950 to obtain yields of 100 bushels or more per acre.

"The hill and Delta farmers, who in 1944 were advised to fertilize with 24 to 32 pounds of nitrogen per acre are now told to apply 100 to 120 pounds of nitrogen and, in addition, some phosphoric oxide and potash. . . . The new plan calls for 9 to 14 pounds of seed per acre with plants spaced 15 inches apart in 42-inch rows or 16 inches apart in 40-inch rows. These give about 10,000 plants per acre. Prewar stands were one plant every 3 feet in the row, or about 4,000 per acre. . . .

"A comparison of 3 management techniques in the experimental plantings reveals a pyramiding of profits when new techniques are used. In a stand of 4,000 plants per acre with no fertilization, the yield was 22 bushels. Cost of production was \$18.96 or 86 cents a bushel.

"Marketed at \$1.50 a bushel, corn in this type of management brought a profit of \$14.04 an acre.

"In a second planting the 8,000 plants per acre were fertilized with 60 pounds of nitrogen and produced 52 bushels. The cost was \$35.86, or 69 cents a bushel, the profit \$42.14.

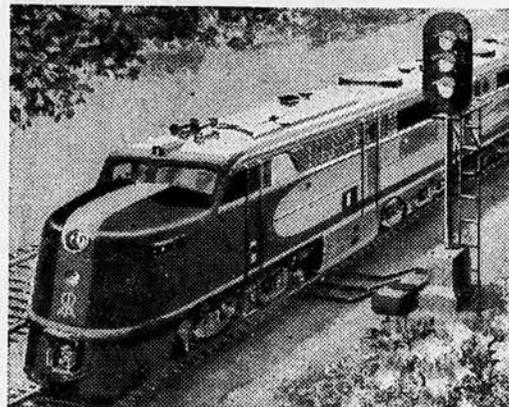
"Under the recommended practice of 12,000 plants to the acre, fertilized with 120 pounds of nitrogen, the yield was 72 bushels an acre, the cost of production \$48.75, or 68 cents a bushel, and the profit per acre, \$59.25." It pays to fertilize.



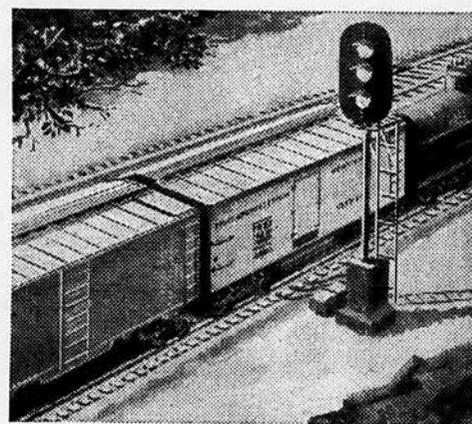
"That's funny. Daughter and her young man both said you called me."

Here's what America's
railroads have added in
the last six years:

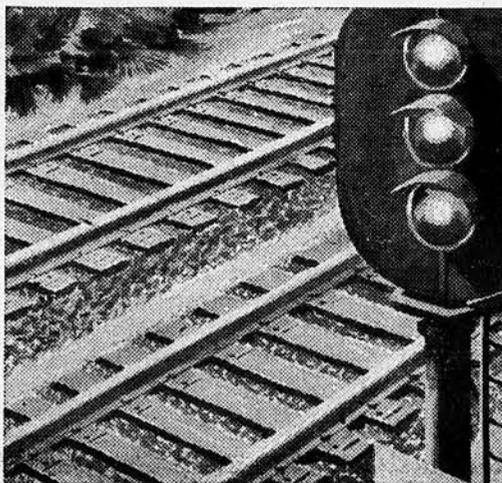
13,000
new, more
powerful
locomotive
units



400,000
new, better
freight cars



and
\$2 Billion
worth of new
rail, terminals,
signals and
other facilities

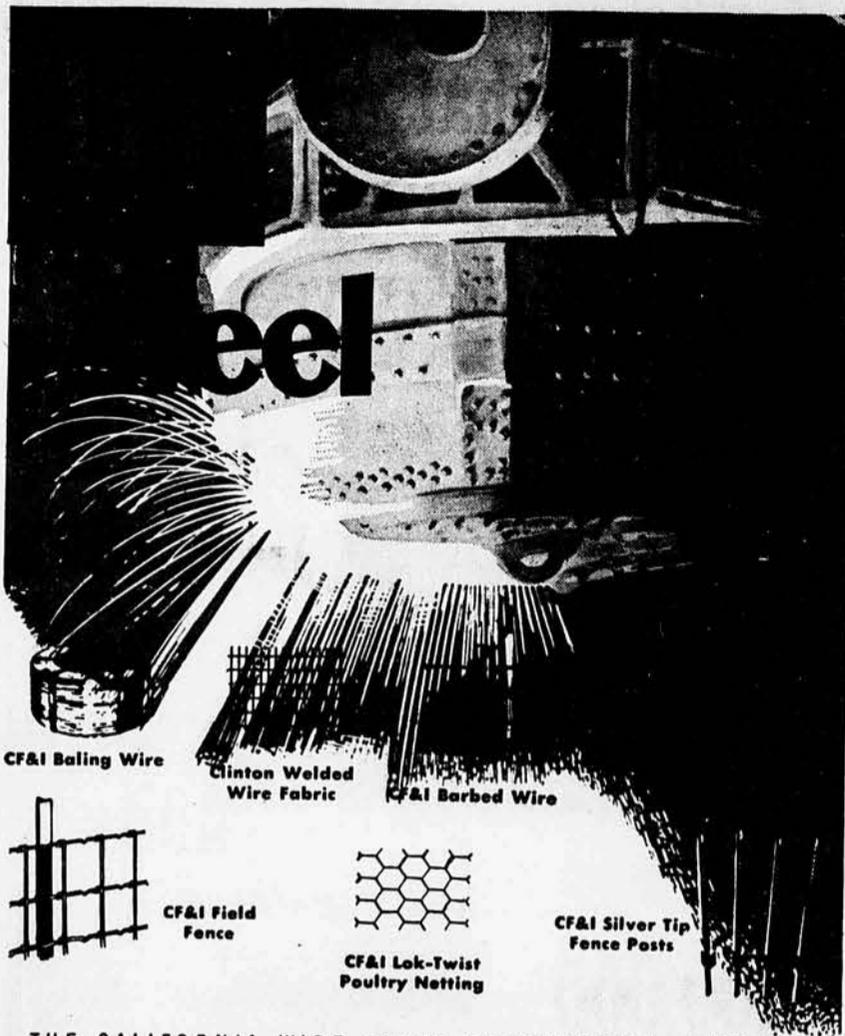


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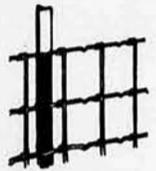
ASSOCIATION OF AMERICAN RAILROADS
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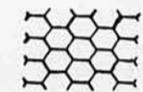
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Next time you're in town ask your local concrete products manufacturer about the advantages of concrete masonry construction. Always insist on concrete masonry units which comply with the specifications of the American Society for Testing Materials (ASTM).

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Name Winners for State Safety Contest

WINNERS are named for the 1951 State Safety Contest for Kansas! Patsy Wasson, member of the Prairie Schooners 4-H Club in Ford county, is the girl winner. Keith Lauer, Holland Sunflower 4-H Club in Dickinson county, is the boy winner. To his club goes the honor of winning safety club.

Individual winners will receive \$50 gold watches from Senator Capper thru *Kansas Farmer*. Sponsor of the contest is the Farm Safety Committee of the State Safety Council.

Patsy is 15 years old and has completed 5 years of club work. She lives on a 960-acre farm, and this year is State News Writing Champion in 4-H activities. She has carried 27 projects—in clothing, foods, room improvement, junior leadership, poultry, dairy and garden. Patsy says the slogan of every club member should be "Cultivate safety and harvest happiness." She comments, "Our whole family has become more conscious of safety since I have taken it as one of my club activities. Even my little sister is always on the alert for hazards." She surveyed her farm, then did something about it: fixed a place for garden tools so they would be out of danger, labeled poisonous insecticides and put them out of childrens' reach, enlisted family's help in cleaning up trash and weeds, put up no smoking signs in barns, repaired ladders, checked fixtures and cords in the house, provided first-aid kit for family car, helped a brother erect a gun rack for hunting guns, took part in a safety play. It was her third year for safety activities and promotion.

Keith is 15 years old, too, and has been in club work 5 years. His projects have included breeding beef, deferred-fed steers, corn, wheat and junior leadership. His safety work included cutting weeds on a county road corner, gave a safety demonstration, cleaned up the farm yard of trash, served on a committee for safety booth at county fair, placed red flags in holes along county road, entered state safe driving contest, and repaired ladders.

Keith's club, Holland Sunflowers, had an outstanding record in safety activities. The club started their safety work in 1946. The leaders are Frank and Mrs. Clarence Lauer. Members and leaders outlined their work with a Safety Plan, indicating 7 activities: club safety project, member projects in safety, window displays, enter state safe drivers contest, safety talks, demonstrations, and a safety booth at county fair. Their Work Accomplished Plan shows they completed all their projects. A club project was to gather all wastepaper from club members' homes to stop fire hazard. They gath-



Patsy Wasson, Ford County

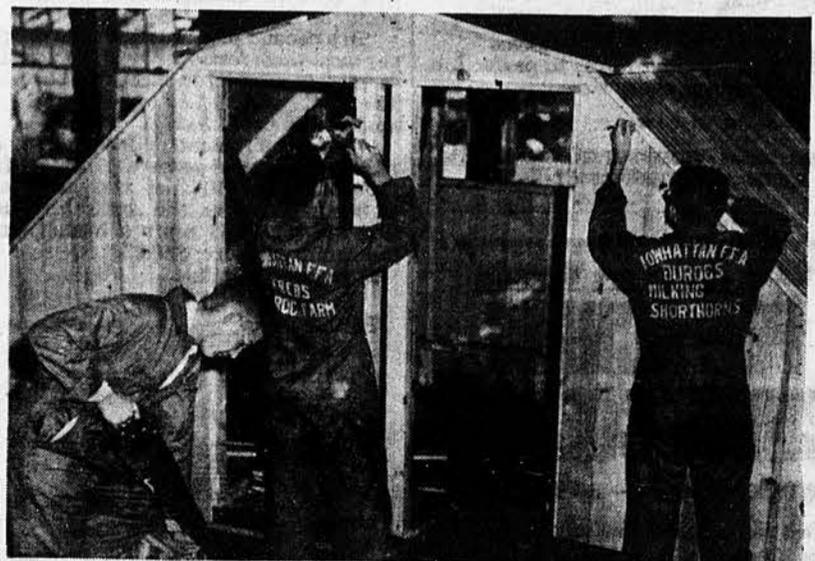


Keith Lauer, Dickinson County

ered 3 tons of paper. They made posters and also obtained some from the National Safety Council to put up in local store windows. The club handed out books entitled "Fire Safety on the Farm" to each family with a 4-H member. At one club meeting all present took a safety test asking questions about their homes to see how safe they were.

Powhattan FFA Success

(Continued from Page 1)



MOST of their hog equipment is built by association members. Here, left to right, Donnie Lowe, Clair Krebs and Maurice Cashman, Jr., work on a 2-sow, walk-in type farrowing house that takes the "stoop" out of caring for sow and litter.

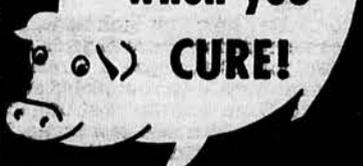
In their first month of operation as an association the boys held their first sale. At this sale they sold a total of 58 hogs for an average well above market prices. This year they cut the number of hogs offered to 40 because, as President Draney expresses it, "We found it didn't pay to sell our gilts if they were

too small, as some of them were last year. Some of our members are holding back more gilts this year, too, to build up their breeding stock."

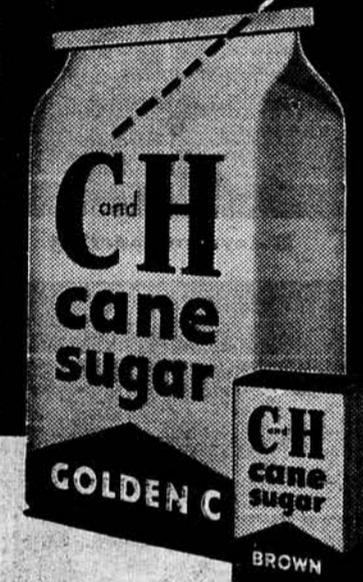
Some idea of the interest stirred up in the community by the Swine Improvement Association is indicated by

(Continued on Page 25)

Be sure when you CURE!



FARM FOLKS FAVOR



Sugar at its best!

the fact the boys held a breeder's banquet last spring at the high school gymnasium and about 150 persons attended.

Most of the equipment used by the boys in their swine projects is made by them in the Vocational Agriculture shop under direction of Walter Petr, instructor. A favorite farrowing house is a 16- by 16-foot, 2-sow, walk-in model designed by previous Vocational Agriculture students of Mr. Petr's. This walk-in model takes the stoop out of chores at farrowing time and, says Mr. Petr, actually requires less lumber to build than some other models. A removable panel in the house allows the entire floor area to be thrown into one room to house the shoats on range.

Altho hogs have been stressed in the Powhattan FFA chapter, there also are some excellent beef and dairy projects carried. About 50 head of deferred steers are entered by chapter members in the Economy Beef Production Contest to be held in St. Joseph, Mo., in December.

License Plates Get New Tabs

Kansas' 1951 car and truck tags have to last 2 years, so good care will help them carry their extra burden. On January 2, 1952, small rectangular metal tabs, 3/4 by 1 1/2 inches will go on sale. These will bring old plates up-to-date for a year. Then another sale will be made one year later. Tabs will cost the same as full-size license plates.

According to C. M. Voelker, state motor vehicle superintendent, the plan is to save steel for defense effort. Tabs are to be attached to the upper right-hand corner of front and rear 1951 plates.

Expand Wheat Mosaic Studies

Webster H. Sill, Jr., on the Kansas State College agricultural research staff, has been appointed to the botany and plant pathology department as an assistant professor to do research on mosaic disease of wheat. His new duties are effective January 1.

Shell Eggs Manual

"Candling and Grading Manual for Shell Eggs," is a recent publication by the Kansas State Board of Agriculture. It was prepared for use in helping develop a more thorough knowledge of the egg, importance of its care and factors which constitute quality. Candling and grading eggs are featured. Write Farm Service Editor, Kansas Farmer, Topeka, for a free copy of this bulletin.

Greek Specialist Studies at KSC

Emmanuel Maroulianos, Athens, Greece, is at Kansas State College for 2 months to study U. S. methods for handling, grading, processing and analyzing cereals and oilseeds. He is a representative of the Greek ministry of commerce, and is chief of the section concerned with chemical research on agricultural products and foodstuffs.



"They're all empty—I just like to watch him go thru his act!"

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HERE'S HOW THE PLAN WORKS: Order your Phillips 66 Motor Oils, Gear Oils, and Greases now. Set a delivery date before May 31, 1952.

The single delivery saves us time, trouble and handling expense. So we can offer you these special benefits:

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And above all, you get high quality Phillips 66 Products ... products you can depend on to do the job and do it well.

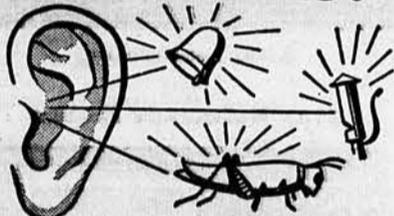
See your Phillips 66 Tank Truck Driver. Get your order in now and save money on Phillips 66 Motor Oils, Gear Oils and Greases.

IMPORTANT! Phillips 66 Heavy Duty Premium Motor Oil is available under the Discount plan. You can get all the special advantages of this great new motor oil—and save money at the same time. This motor oil is truly "Heavy Duty"... can be used in your car, truck or tractor. It gives you a new high in Lubri-tection. It's designed to increase engine life—keep your machinery out of the shop and on the job. Save your machinery—save your machinery with Phillips 66 Heavy Duty Premium... everything you need in a motor oil.



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

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If you suffer from those miserable ear noises and are Hard of Hearing due to catarrh of the head, write us NOW for proof of the good results many people have reported after using our simple home treatment. **NOTHING TO WEAR.** Many past 70 report ear noises relieved and hearing improved. **SEND NOW FOR PROOF AND 30 DAYS TRIAL OFFER.**

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Economical Cough Relief! Try This Home Mixture

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.

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Something new — THE DODSON HAY-KEEPER — has been added to the list of famous Dodstone buildings and silos. This hay-keeper, with ventilated walls and adjustable air damper, makes the finest hay regardless of season. The Dodson Hay-Keeper or Silo can save you up to \$1,500 per year on feed for 25 cows and you can have either for only \$38.00 down and the balance from income.

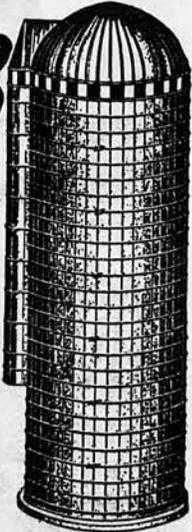
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Couldn't Spend Fortune

(Continued from Page 6)

from the college, some from magazines, and then cooked up some of our own."

Cost of materials for the 12-foot addition to the Edwards house amounted to \$1,600. Original cost of the house was \$100 and another \$300 was required to move it to the present location. Paints, wallpaper, flooring, plaster, an additional \$300. The propane gas wall heater was \$103, plumbing materials and fixtures, \$600. Another \$1,130 was spent for equipment in the kitchen-utility room. This brings the total cost up to \$4,133 without any labor included since Mr. and Mrs. Edwards did all the work themselves. What this meant in savings is shown by comparing their expenditures with figures of the other families.

Mr. and Mrs. Robert Nixon started out with a house 26 by 28 feet already on the site. To this they made a 16-foot addition to give them a house 26 by 44 feet. They also remodeled an old wash-house and cave back of the home.

More Storage Space

In the original house, as so often is true of old farmhouses, the only storage space was a small cupboard. So, in planning her improvements, Mrs. Nixon concentrated on storage areas. She now has 5 regular closets, 2 linen closets, a cleaning closet, and a recessed sewing center with closet doors.

We were able to get fairly complete and detailed costs on this house. Here is a summary as given by the Nixons:

Lumber used for old house, \$150; foundation of house, utility floor and cementing floor and walls of cave, \$361.91; roofs and siding, \$305.24; all windows, complete with screens, \$330; plaster material for house and utility, \$145.31; flooring and finishing materials for floors and woodwork, \$375.69; materials for closets, doors, facings and baseboards, \$325.95; materials for all plumbing—pressure system, sink, bathroom fixtures, drains, complete, \$351.22; all materials for wiring, \$134.54; nails, not included in any of above figures, \$86.83; cost of all materials, \$2,479.86; cost of all hired labor, \$1,600.23; total cost, \$4,080.09.

Breaking this down another way, Mrs. Nixon says house remodeling and improvements cost \$3,400 and cave and utility house improvements \$700.

Mr. and Mrs. Roy Schurter bought an old house and moved it to their present home site 5 years ago. They paid \$800 for the original house and had an additional cost of \$900 that included moving the house and building a three-fourths basement and foundation. Other costs included \$300 for furnace, \$130 for a wall storage closet, and \$1,300 to install a bath and water system. Improvements have been made over 5 years and about all labor was hired.

Not Many Changes

A look at the floor plans before and after show the Schurters made a minimum of changes in the house design. No major partitions were changed. An unsightly chimney in the original kitchen was moved over so it now is out of sight in a closet. One bedroom was divided off into the bath and den and the old pantry came out to make way for kitchen equipment. This left room in the kitchen for a dining area.

Mr. and Mrs. Nixon greatly improved the livability of their home by making a few minor changes in partitions, adding a closet to the bedroom, adding a small enclosed back porch and front stoop, and a complete basement.

The original house here was 26 feet square and was moved to the site. Cost of house was \$400 and cost of moving was \$700. The full basement and foundation cost \$2,000 and remodeling and steel kitchen cabinet installations totaled another \$2,000.

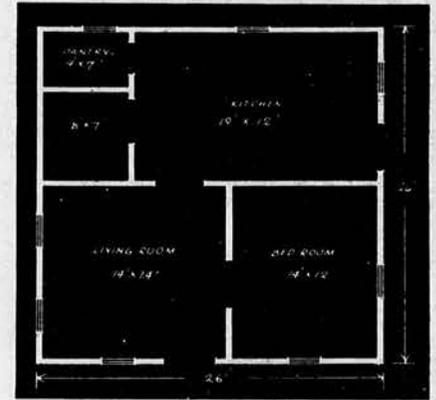
In the old house there was an extra-large kitchen, pantry, a small den or utility room, living room and bedroom. The pantry was torn out and one partition of the utility room came out. This allowed the Nixons to install a modern kitchen and dining area in one end of the old kitchen. In the other end they put in a bath, a hallway and a basement stairway. The hallway was placed so an addition to the size of the house could be made at a later date.

Mrs. Nixon uses the basement for her laundry room and says: "I would prefer to have it on the first floor, but we felt we could not duplicate the other advantages of a basement at the same cost if we tried to add it all above

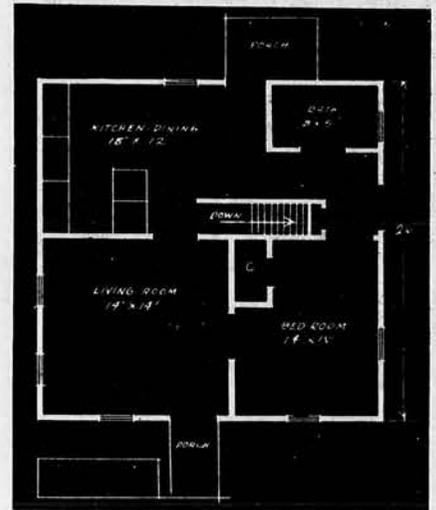
ground." The Nixons needed the extra storage space provided by the basement and Mr. Nixon has his shop there. Most of the labor on the Nixon house was hired.

No matter how you look at it, building or remodeling these days is an expensive job. But, these 4 Greenwood county families have remodeled at from one third to one half the cost of getting the same facilities in a new home. Perhaps their experiences will serve as a guide to help you decide whether to build a new home or make improvements.

Max Nixon Home

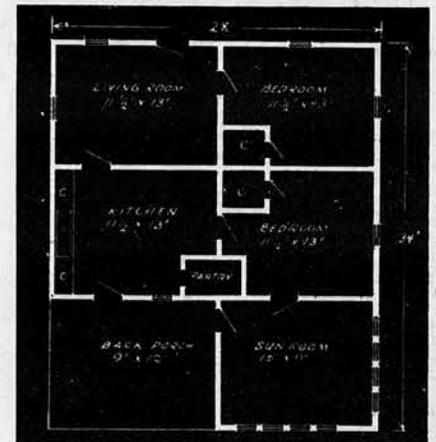


Before remodeling

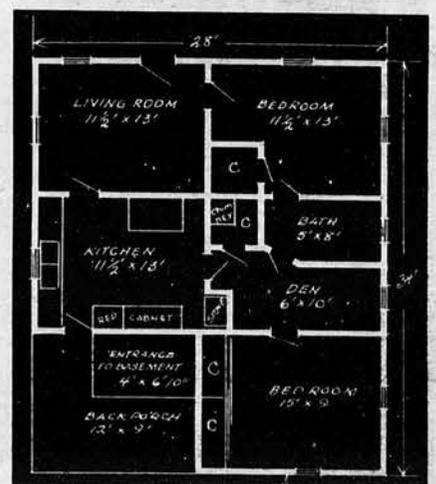


After remodeling

Roy Schurter Home



Before remodeling



After remodeling

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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Results almost unbelievable. No bait-shyness — keep eating until they all die. Choice of 2 forms:

BANARAT BITS — ready-to-use pellets. New bait formula: 1-lb. self-service bag \$1; 5-lb., \$3.95; 4-oz. Mouse Bits, 50 cents.

BANARAT PREMIX — mix with any acceptable bait. 1/4-lb. makes 5 lbs. bait, \$1.75; Big 1/2-lb. makes 10 lbs., \$3.00

Ask for genuine BANARAT by name, at your dealer's or write American Scientific Laboratories, Madison 1, Wis.

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WE SPECIALIZE IN NEWEST, BEST SEED OATS of heavy yields and high ratings. Two new kinds . . . Abegweit and Fortune. Also, big yielding Beaver and best U.S. standard varieties. REAL PRICES. Write today for full particulars and DIRECT TO YOU SAVINGS; also, circular entitled *Oat Growing Secrets and Facts Worth Reading and Knowing* answering 14 questions about oats. FREE SAMPLES postpaid. GET THEM BEFORE YOU ORDER ANY OATS. Dept. K.

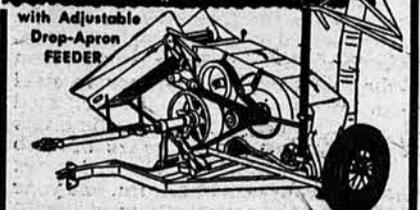
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WILL SUMMER BE RAINY?

Check your 1952 St. Joseph Calendar and Weather Chart. Other facts. At any drug counter—**FREE**

New BEAR CAT

COMBINATION Grain and Roughage Mill also Ensilage Cutter



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

Get full information on this real honest-to-goodness grinding outfit. Four sizes available. Write Western Land Roller Co., Dept. 132 Hastings, Nebraska—Manufacturers

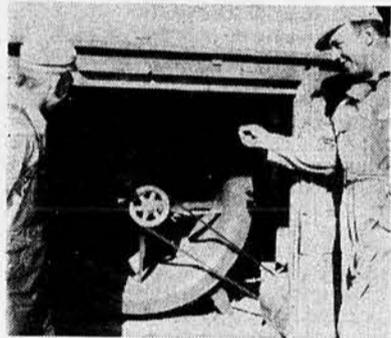
Coming Events

- December 1—Shawnee county 4-H achievement party, Topeka, city auditorium, evening.
- December 3-8—Riley county, ice cream-making short course, Manhattan.
- December 3—Dickinson county, 4-H achievement banquet, Steel Hall, Abilene.
- December 3—Johnson county, first Extension Council meeting. Extension Board election, Olathe.
- December 3—Chase county, landscape meeting, Cottonwood Falls.
- December 4—Miami county Extension Council annual meeting, Paola.
- December 4—Thomas county, DHIA annual meeting, Colby.
- December 4-5—Riley county, Kansas State Horticultural Society, 85th annual meeting, Manhattan.
- December 5—Cheyenne county, officers training school and demonstration techniques and training for 4-H, with Glenn Busset assisting, Court House, St. Francis.
- December 6—Miami county 4-H leaders training school, Paola.
- December 6—Mitchell county, day meeting with Extension engineer, Concordia.
- December 6—Cherokee county, dairy and marketing school in charge of Ralph Bonewitz, KSC dairy Extension specialist, Columbus, 4-H building.
- December 6-7—Riley county, fertilizer conference, Manhattan.
- December 7—Thomas county, 4-H leader training school, with Glenn Busset and Velma McCaugh, KSC specialists.
- December 8—Clark county 4-H achievement banquet, Ashland, 4-H building, 6:30 p. m.
- December 10-15—Annual Extension agents conference, Manhattan.

Have You Heard?

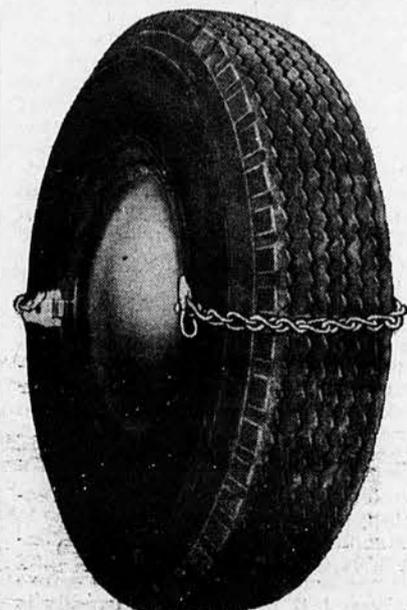
NEW, nonskid Firm-Grip grating is especially adaptable for platforms, stair treads, ramps, catwalks, running boards, skitmats, steps for trucks, ladder rungs and trailers. For more details, write to Bustin Iron Works, Inc., 110 E. 130th St., New York 35.

Ted Lahr, right, Dickinson county farmer, shows Virgil Derrick how this large electric fan is used in drying small

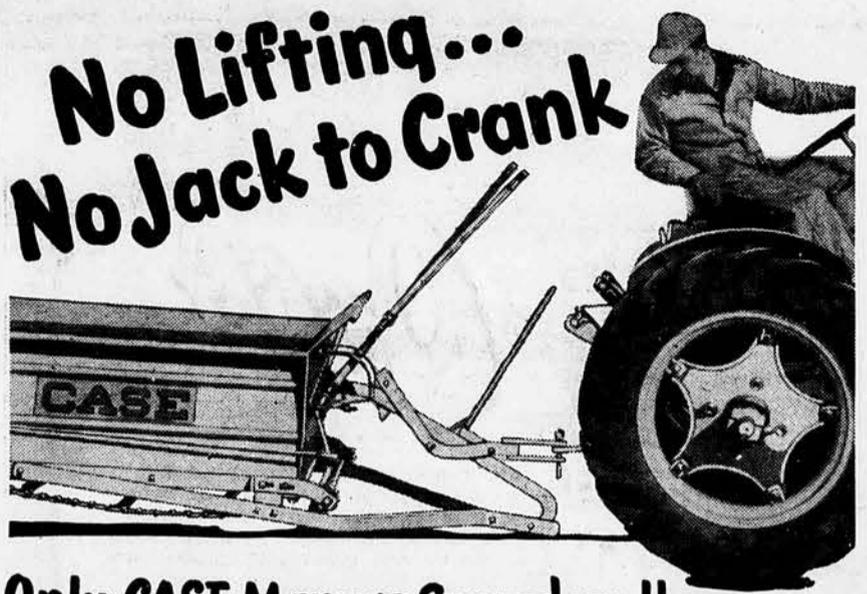


grains on Mr. Lahr's Talmadge farm. A demonstration was given November 12, in co-operation with the Loudon Machinery Co., Fairfield, Ia., makers of the Hi-Dri.

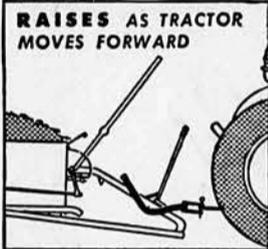
New on the Market are Presto Emergency Tire Chains. They snap on wheel rim, give quick and successful results. The product is made by Presto Chain Co., 211 W. 7th, Des Moines. A clip holds side plates firmly under lip



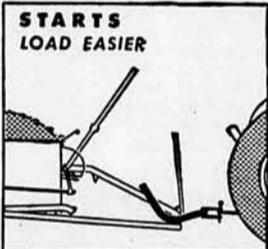
of wheel rim. It's easy for anyone to fasten them on. Last winter Presto Chains were tested on wet highway shoulders, on ice, in heavy snow, in mud and ruts, and in loose sand. Weaknesses brought out have been corrected.



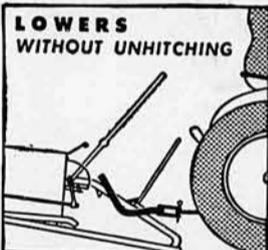
Only CASE Manure Spreaders Have... SELF-RAISING HITCH



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



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



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.

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During Gestation . . . Mineral Needs of Your Sows Vary . . .

THEY NEED

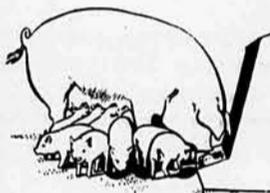


Occo

Experts agree that 20 to 33 per cent of all pig embryos are lost before birth, but the right feeding program can cut these losses. A brood sow needs more minerals as gestation progresses. At 30 days, for example, the embryo will weigh about 1/16 of an ounce. If this sow gets the right nutrients, the embryo will grow, otherwise it withers and dies. At 80 days, the bony structure of the fetus is developing and it needs more and more minerals. Three-fourths of the new pigs weight is made during the last 38 days of gestation . . . so mineral requirements increase greatly.

Give Your Sows the Right Mineral Balance Every Day

THEY NEED



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Occo in the rations and free choice is the best method for making sure brood sows get all the minerals they must have. You can't mass-produce feed with perfect mineral-protein ratio for thousands of different sows . . . but free choicing Occo you can give your sows the right amount of minerals during every day of gestation. She's able to keep her own health good while developing strong, vigorous, young in her body. Occo fed free choice can help her give you big litters and cut down on losses of new pigs. They'll be born well boned, with more body hair, they'll take to feed better and flesh up with good pork better than pigs that aren't getting enough minerals. Remember, in state after state, feeding experts and nutritionists warn that you'll have better luck with your pigs if you free choice minerals. Yes, sows and pigs need Occo.

Help Your Sows Do Good from Start to Finish

THEY NEED



Occo

You and your Occo Service man, working together can plan a feeding program for brood sows that will do the best job from start to finish. He'll help you build the right ration for your animals . . . He'll show you how little it costs to give sows the minerals they need every day . . . with Occo. You'll find him a real friend . . . and a real help in solving your feed problems. He lives in your community . . . probably just down the road. Give him a chance to help you. If he hasn't been at your place yet . . . you'll know him by the Occo emblem on his car or truck.

SOWS NEED

Occo

EVERY DAY



What Is Being Said About Livestock Diseases

NEW and old livestock diseases, their control or eradication, got a good going over recently at the 55th annual meeting of the United States Livestock Sanitary Association, held in Kansas City.

Here, in brief, are some of the reports made by individuals and committees.

The final solution of the hog cholera problem, it was reported, will rest upon more basic information on hog cholera as a disease and on a better understanding of the virus, both of which were said to be inadequate at this time. Hog cholera was listed as still leading all other swine diseases.

While use of antibiotics was praised for some things, stockmen were warned to use caution in their wide-scale use. There is danger of substituting antibiotics for good nutrition, it was stated.

It was charged some trace mineral mixtures are being sold with the idea they will prevent or treat mastitis and brucellosis and other diseases of cattle and swine. "Such claims are made without factual basis," it was reported at the meeting.

Use of live virulent virus on young chickens to prevent infectious bronchitis has brought losses up to 15 per cent in some flocks, it was reported. More study on control of this disease was urged.

The Federal Bureau of Animal Industry reported Mexican school children in some areas are co-operating on hoof-and-mouth disease eradication. In such areas children report all sick animals during school roll call.

Foresee Germ War

One federal authority suggested there is some danger that enemy agents might release foot-and-mouth disease germs in U. S. during war. Columbia and Venezuela, both in South America, were reported to have hoof-and-mouth disease now and some has appeared again in Western Europe. Vaccination has not proved generally successful because there are 6 types of foot-and-mouth disease. It was urged at the meeting that present legislation designed to safeguard the U. S. against foot-and-mouth disease be maintained.

Only 22 per cent of all dressed poultry during 1950 was under inspection, it was reported, yet there are several poultry diseases communicable to man. The worst effect of not having inspection, however, is that marketing diseased birds hurts consumption of poultry meat. PMA was criticized severely for putting U. S. grade labels on poultry not inspected for disease. The committee reporting at the convention went on record against using USDA grade labels on any products not guaranteed as to wholesomeness.

No Progress on Rabies

No progress is being made on eradication of rabies, it was reported. The Bureau of Animal Industry has drafted a bill for Congress to authorize the department to take part in a national rabies control program.

Possibilities of Newcastle and Fowl Plague germs being used against the U. S. in event of war were discussed. Present knowledge of Fowl Plague or Pest is considered sufficient to localize outbreaks if they should occur, but more work is needed on Newcastle control.

Control of pullorum disease has allowed U. S. approved hatcheries to achieve an average livability rate on chicks of 97 per cent plus under 3 weeks old. Fowl typhoid needs some attention on a national control basis.

Coccidiosis control was said to be generally successful. More research is needed to determine whether exceptions indicate a failure of the treatment or the unknown presence of other diseases. Sanitation on the poultry farm was said to be of utmost importance in all poultry disease control. Infectious bronchitis is becoming increasingly troublesome to poultry production, especially in broiler flocks.

Atrophic Rhinitis came in for considerable discussion. This disease may be in the swine herd 4 or 5 years before discovered, it was said, and usually is accompanied by one or more other diseases. The disease can be quite advanced without showing clinical signs.

Edema disease of swine is an acute and usually fatal disease of young swine that has been on the increase

since 1933. It occurs in pigs 8 to 20 weeks old. Seventy per cent of the cases come in May, June, July and October, with 50 per cent in June. Since the disease runs a swift course and affects 4 to 40 per cent of the herd, prompt action in calling a veterinarian is urged.

State, county and township brucellosis committees were urged as the best method of combating brucellosis. States that have such committees have made the most progress toward eradication, it was said. Standard milk ordinances that will require all milk to come from brucellosis-free herds are in the foreseeable future.

There is need to develop a therapeutic agent for anaplasmosis in cattle 2 years or older, it was said. Farmers must catch the disease early to save animals that normally die. The secret of stopping anaplasmosis, it was said, is to find some simple test to locate carrier animals. First symptom of the disease is loss of appetite, followed by standing apart from herd with head down. Animals affected tire easily if driven and hang back.

Cause Needless Re-testing

Many stockmen have had to needlessly re-test their herds for TB due to carcass examination at the slaughtering plants, it was reported. Laboratory examinations in Denver on 108 cases of tuberculosis-type lesions in beef cattle disclosed that 48 per cent were due to other conditions. It was recommended that all tuberculosis-type lesions be examined in the laboratory before requiring a re-test.

More care needs to be taken in reporting TB discovered at slaughtering time, and we need a better system of identifying and trailing diseased cattle back to farms of origin for testing of remaining live animals, it was said.

Some concern was expressed over a transfer of attention from TB to brucellosis control. "It is cheaper to keep TB at the present level of less than 0.2 per cent than to let it get started again," it was reported.

Bovine Leptospirosis, which has been reported in both Kansas and Missouri, is a somewhat new disease that is both-ering dairymen. The disease is spread thru urine and may sometimes be mistaken for mastitis because one of the symptoms is a thickening and yellowing of the milk, altho there is no fever and no soreness or swelling of the udder. In advanced stages the disease causes bloody milk and bloody urine. Abortion occurs in about 25 per cent of cows getting the disease.

Name More 4-H State Champions

Several more 1951 state 4-H Club champions have been announced by the State 4-H Club Office, Manhattan.

Millicent Schultz, Pawnee county, won a trip to Chicago to attend the National 4-H Club Congress as winner in 4-H dairy achievement. She has had consistent success in breeding and showing Brown Swiss dairy cattle.

Stanley H. Witt, Brown county, is state winner in the meat animals project. He also won a Chicago trip. Last year he deferred-fed 5 Angus and 5 Herefords, which won first in a 4-state contest. He received \$34.50 a hundred-weight for his steers and made \$190 per head. This year he is feeding 45 head of cattle by this system.

Also winning a trip to Chicago was Bryon Reida, Harper county, as state winner in better farm and home methods electric activity. His story on electrical use began back when the Reidas were tenant farmers, continues to the present when the farmstead is well on its way toward complete electrification.

Maurice Pivonka, Rush county, won a trip to Chicago as winner in field crops. He works a partially-irrigated 560-acre farm near Timken. His crops projects during his 10 years of club work include 7 years of wheat, 4 years of sorghum, 3 years of alfalfa, one year of barley and one year of clover.

Eugene Morgan, Franklin county, is winner in beef production, and won a Chicago trip. A member of the Berea Boosters club, he is establishing an Angus herd.

Charles Hanzlick, Belleville, is state champion in sheep and won a trip to the National 4-H Club Congress. Don Krotz, Cuba, also won a similar trip, as state winner in the swine project.

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DeForest Blue-blood Chicks Production or Broiler breeds. Hatching year around. Broad-breasted Bronze and Belts. White Fauts in season. DeForest Hatcheries, Box E, Peabody, Kan.

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Wanted to Buy—Mammoth White Pekin Drake for breeding. Clyde Kohler, Cheney, Kansas.

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King Ranch Bluestem Grass Seed. Planting instructions and prices. Guy Hutchinson, Uvalde, Tex.

● PLANTS AND NURSERY STOCK

Quick Bearing Fruit and Nut Trees, Shade Trees, Grape Vines, Berry Plants, Everblooming Rose Bushes, and Flowering Shrubs at Money Saving Prices. State and federal inspected. Satisfaction guaranteed. Write for free colored catalogue. East's Nursery, Amity, Arkansas.

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Free Rose Catalog—32 pages, full color, showing 1952 All-American winners and 140 varieties of rose garden favorites. Arp Roses, Inc., Box 178-KF, Tyler, Tex.

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Rat Terrier Puppies. Bred for ratters. Crusaders Kennels, Stafford, Kan.

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904-1126 West Euclid McPherson, Kansas

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1949 MM 14-ft. Self Propelled Combines, very good, \$3,500. 3-1950 VAC Case Tractors, wide front end with one row cultivators, \$1,350 each. Crane Implement & Welding, Walnut, Ill.

One-Way and Disc Sharpener \$27.50 prepaid. Operates from any farm power. No dismantling. Guaranteed. Write for circular. Tri-State Automotive Co., Kimball, Neb.

● SAVINGS AND LOANS

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

● HELP WANTED

Wanted: Men-Women to sell Name Plates for rural mail boxes. Thompson Co., Dept. W, Baldwin, Michigan.

Wanted—Men to work on ranch, married or single. Robbins Ranch, Belvidere, Kan.

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3c Deckledge Reprints 3c

Reprints size as negative 3c and oversize prints 4c. 6- or 8-exposure roll developed and printed one each 25c or two each for 35c. Three 5x7 enlargements for 50c. Four 8x10 for \$1.00. Your favorite photo copied and 10 billboard pictures 65c.

Summers Studio, Unionville, Mo.

20 DECKLEDGE REPRINTS 50c

6-8 Exposure roll developed and printed 25c; 12-exposure, 30c; Jumbo prints 4c each. Request complete prices.

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Box 1068-KF Topeka, Kan.

Two Sets of "Deckledge" Prints with every 8-exposure roll finished 40c. Very finest quality. "Deckledge" reprints 3c each. Jumbo reprints 4c each. Brown Photo Company, 1910-32 Emerson, Minneapolis, Minn.

Don't Bother with Small Pictures! Get them all blown up, 8-exposure roll printed in Giant Size 35c. Beautiful work, fast service. Giant Foto Service, Box 2084, Dept. K, Lincoln, Neb.

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

12 Jumbos From Roll 35c, 8 Jumbos 25c, with this ad. Skrudland Photo, Lake Geneva, Wisc.

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Wanted: Horse Hair, Tail and Mane. Rabbit skins, wool, pelts, beeswax, raw furs. Write for prices, shipping tags. Sturges Co., 2630 "N" St., Omaha, Neb.

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

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

Wedding Invitations, Napkins, Registers for Golden, Silver Anniversaries. Maas & Co., Bonner Springs, Kansas.

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United Farm Agency's big Free Winter catalog of farm and country real estate bargains can help you plan soundly for your future security in the country. Good pictures, many states, easy terms, many equipped, hay and feed included. For Special Service, state requirements, desired location. Write for your catalog today... it's Free! United Farm Agency, 2825-KF Main St., Kansas City 8, Mo.

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Strout Catalogs: East and Midwest Red cover; West Coast edition Blue. Farms, homes, businesses, bargains galore. Either mailed free. Strout Realty, 20 West 9th St., Kansas City 6, Mo.

Free—New list of Southwest Missouri: diversified farms, ranches, grade A dairies, ideal climate, 10 months grazing; \$40 to \$100 per acre. Globe Realty Co., 2427 College, Springfield, Mo.

Improved 640-acre Farm Cheyenne County, Colo. 234 acres under cultivation. 320 acres leased grass. Price \$19,200. Louis Miller, Frankfort, Ind.

For Sale—In Sunny Arizona a fine small chicken farm, hundred acres. Box 302, Prescott, Ariz.

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Personal Rubber Stamp saves time and money! Use on stationery, envelopes, cards, labels, books, etc. Send coin; no C.O.D. Name and address 40c; inkpad 25c; postpaid. Order now or send for free catalog, enclose 3c for return postage. Stamp Shop, Box 382, Rochester 2, New York.

Outdoor Toilets, Cesspools, Septic Tanks cleaned, deodorized with amazing new product. Just mix dry powder with water; pour into toilet. Safe, no poisons. Save digging, pumping costs. Postcard brings free details. Burson Laboratories, Dept. H-81, Chicago 22, Ill.

Dependable Watch Repairing Done very reasonably. Send watch for free estimate. All work guaranteed one year. Park Watch Repair Service, 132 Wexford SE, Grand Rapids 8, Mich.

For Sale—ledge posts, all kinds. Ralph Murray, Pomona, Kan.

Public Sales of Livestock

Aberdeen-Angus Cattle
December 10—Registered and Commercial Sale, Dodge City, Chester I. Bare, Sale Manager, Protection, Kan.
December 21—Round-Up Aberdeen-Angus Sale, South St. Joseph, Mo. Donald J. Bowman, Sales Manager, Hamilton, Mo.
December 22—2nd Round-up sale, St. Joseph, Mo. Donald J. Bowman, Sales Manager, Hamilton, Mo.
January 24—Chisholm Trail Aberdeen-Angus Breeders' Association, Caldwell, Kan. Donald Morton, Secretary, Argonia, Kan.
February 25—C. E. Reed, Wichita, Kan.
February 25—Ed Knell & Son, Carthage, Mo.
March 9—Pennney & Janas, Hamilton, Mo. J. B. McCorkle, Sale Manager, ATU Building, Columbus, Ia.
April 2—South East Kansas Breeders' Association, Iola, Kan. Clarence C. Ericson, Sale Manager, Savonburg, Kan.
April 21—Ericson, Thalman and Davis Production Sale, Hutchinson, Kan.

Brown Swiss Cattle
December 6—Virgil Holem Estate, El Dorado, Kan. Norman E. Magnussen, Manager, Lake Mills, Wis.

Hereford Cattle
December 3 and 4—Mulyane Hereford Ranch Dispersion, Topeka, Kan.
December 7—South Central Kansas Hereford Association, Newton, Kan. Phil Adrain, Secretary, Moundridge, Kan.
December 8—A. R. Schlickau & Sons, Haven, Kan.
December 12—Charles and Russell Stewart, Quinter, Kan.
December 19—E. K. Hereford Ranch, Longford, Kan. Sale at Minneapolis, Kan.
December 20—McCartney & Hazlett, Clay Center, Kan.

February 2—North East Kansas Hereford Breeders' Association, Topeka, Kan. Elmer Becker, Sale Manager, Meriden, Kan.
February 4—1952 Kansas Range Bull Sale, Dodge City, Kan.
February 6—1952 HG Hereford Farms, Colby, Kan.

February 7—1952 Olivier Bros., Harper, Kan.
February 8, 1952—Kaw Valley Hereford Association, Manhattan, Kan. Bass Powell, Sale Manager, Manhattan, Kan.
February 9—Dickinson County Hereford Breeders' Association, Abilene, Kan.
February 22—Sam Gibbs, Clay Center, Kan.
April 12—Kansas Hereford Association, Horton, Kan.

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

Jersey Cattle
December 1—Louis Hodgson, Manhattan, Kan.

Holstein Cattle
December 13—Kenneth Herschel, Oskaloosa, Kan.

Duroc Hogs
February 9—Bred Sow Sale, Vern V. Albrecht, Smith Center, Kan.

Corriedale Sheep
December 3—Missouri Breeders' Association, Chillicothe, Mo. L. L. Livengood, Secretary, Maryville, Mo.

Hampshire Sheep
December 15—Northwest Missouri Breeders' Association, St. Joseph, Mo. F. B. Houghton, Secretary, Maryville, Mo.

Suffolk Sheep
December 1—Herman Popp, Haven, Kan. Sale at State Fairgrounds, Hutchinson, Kan.
December 7—Pembroke Dispersion, Milan, Mo. P. V. Ewing, Manager, Columbia, Mo.

Sheep
December 14—Harold Tonn, Haven, Kan.

Trend of the Markets

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

	Week Ago	Month Ago	Year Ago
Steers, Fed	\$37.50	\$38.75	\$30.00
Hogs	18.85	19.60	18.25
Lambs	30.50	30.50	29.00
Hens, 4 to 5 lbs.	.23	.21	.25
Eggs, Standards	.53	.50	.51
Butterfat, No. 1	.68	.68	.53
Wheat, No. 2, Hard	2.63 1/2	2.51 1/2	2.28 1/2
Corn, No. 2, Yellow	1.96 1/2	1.80	1.53 1/2
Oats, No. 2, White	1.14 1/2	1.11	.98 1/2
Barley, No. 2	1.54	1.45	1.38
Alfalfa, No. 1	44.00	44.00	35.00
Prairie, No. 1	26.00	26.00	16.50

● OF INTEREST TO ALL
Cesspools, Septic Tanks, outdoor toilets, cleaned and deodorized with amazing compound; saves digging, free details. Dig-No-More Co., 2611-1 Harriet, Minneapolis 8, Minn.

● FOR THE TABLE

HONEY Mixed 60-lb. Can \$10.50

Extracted—Pure as bees can make it.
60-lb. Can Clover, FOB, \$12.00
60-lb. Can Mixed, FOB, \$10.50
12-lb. Can Clover (Postpaid to 600 mi.) \$3.85
12-lb. Can Mixed (Postpaid to 600 mi.) 3.50
Order Promptly—Supply Limited
HAHN APIARIES, 1715 Lane St., Topeka, Kan.

PEERLESS ROLLER MILLS
Portable Power Take-off and Stationary Models
Crimp, crack all grains better, faster with less power. AVOIDS DUST. Giant 10-in. Tuf-Cast rolls. Farm, Feeder and Mill sizes. Write for literature and prices.
PEERLESS JOPLIN MISSOURI Dept. 107

GRIND AND SHELL FASTER... EASIER WITH THE PORTABLE VERMEER POW-R-DRIVE
THE LEADER IN THE FIELD!
Thousands of farmers now depend on their Vermeer POW-R-DRIVE for fast, trouble-free grinding and shelling jobs. It's the original portable power take-off drive for hammermills and shellers—the Drive with the Belt Tension Release. Reduces wear and saves on belts. The POW-R-DRIVE is fully adjustable to fit all makes of mills and shellers. Farm tested and proved over 3 years. Fully guaranteed. Here's a low-priced, profitable labor saver. See your dealer, or write for FREE circular.
Vermeer MFG. Co. Pella, Iowa
Distributed by PRICE BROS. EQUIPMENT CO. WICHITA, KANSAS



Now! Ready-Built Presdwood Poultry Houses

Precision-built with rugged Masonite Tempered Presdwood on strong wood framing, it's 12 feet wide by 12 feet long. You can make longer with extra four-foot sections. With a helper you can assemble it completely in one day.

All outside surfaces of 3/16" Tempered Presdwood prime-painted. Curved design for greatest wind resistance. Rafters and studding one piece laminated. All sections accurately machined and pre-drilled for easy bolting and tight fit.

All types and sizes of farm buildings; poultry houses also come in 16- and 20-foot widths. Order now. Immediate delivery.

JUNCTION CITY MILL, INC.
Box 402 Junction City, Kansas Ph. 841

KANSAS FARMERS! HOL-DEM ELECTRIC FENCERS

HOLD STOCK WHERE OTHERS FAIL!
KILLS WEEDS ON CONTACT!
Model 45 ONLY 115 Volt A.C. \$27.75

FAMOUS HOL-DEM FENCERS are guaranteed to hold all your stock, even on driest ground. Hol-DEM delivers the wallop in all soil and weather conditions—controls stock the year 'round on thousands of farms. "Weed Kutter" feature kills weeds on contact!

5 YEAR GUARANTEE!

Satisfaction or your money back. Investigate the "Famous" Hol-DEM Fencer. Six models to choose from. Write for FREE folder with prices on III-Line and Battery operated units. Save money, work and time... order today!

ASK YOUR DEALER OR ORDER DIRECT
HOL-DEM FENCER CO.
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B-M-B Utility Digger
Makes Your 3-Pt. Hookup Tractor A Post Hole Digger
Dig clean, deep holes! Dig where others can't with BMB Utility Digger. Scientifically designed auger flight of digger quickly raises dirt out of hole. A release clutch allows operator to stop auger from turning while raising or lowering. This prevents auger from sticking when encountering obstruction or tough soil. By raising auger from hole without turning, hole is not torn down. Quickly attached to Ford or Ferguson Tractor. Rugged—built to last! If your dealer can't supply you, call or write
BMB COMPANY, INC. HOLTON 1, KANSAS
K. C. Tractor & Implement Co., 1340 Burlington North Kansas City, Mo., Telephone NOrcay 4700

Symbol of Quality
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Tongue-Lock CONCRETE STAVE SILOS
QUALITY
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An Early Order will assure you of a Silo.
McPHERSON CONCRETE PRODUCTS CO.
904 W. Euclid St. McPherson, Kansas

Buy U. S. SAVINGS BONDS

DODGE CITY REGISTERED & COMMERCIAL

ANGUS CATTLE SALE

Dodge City, Kansas
December 10, 1951

Over 250 Head of Registered Bulls Sell
Over 200 Head of Registered Females Sell

Some of these bulls are good enough to head registered herds as they are of good strong breeding age. This is a grand opportunity to purchase cows and calves, and bred and open heifers. Over 800 head of commercial cows, heifers and steers will sell December 10 at Dodge City. There will be some extra good commercial cattle in this offering. Lora Locke Hotel, Sales Headquarters. Sale sponsored by the

KANSAS ABERDEEN-ANGUS BREEDERS' ASSN.

For information write CHESTER BARE, Sales Mgr., Protection, Kan.
Roy Johnston, Auctioneer Mike Wilson for Kansas Farmer



IN THE FIELD

MIKE WILSON
Topeka, Kansas
Livestock Editor

The HALLMARK FARM JERSEY DISPERSAL, at Kansas City on October 29, averaged about \$400 on 66 lots selling. Top bull at \$1,500 and top female at \$725 were purchased by Ayres and Slegenthaler, Fort Smith, Ark. The sale was managed by L. B. Gardner, Memphis, Tenn., and selling was done by Tom McCord.

On November 15 the WILLOW CREEK STOCK FARM POLLED HEREFORD SALE made a total of \$30,970. The 50 head of cattle sold made a general average of \$619; 20 bulls averaged \$747 and 30 females sold for \$534. Top bull was lot 7, Leskan A 70th, and sold for \$2,000 to J. B. Turner, McLean, Ill. Top female was lot 32, Lady Leskan ABC 1st, and went to J. W. Stewart, Pritchett, Colo., for \$800. The sale was conducted by Freddie Chandler and Gene Watson.

In the FRANK WORDEN POLLED HEREFORD DISPERSION SALE at Winfield on November 14, 73 lots totaled \$46,315 to average \$634. Nineteen bulls sold for an average of \$623 and 54 females \$638. Top bull in the auction was lot 1, Pawnee Domino 34th, brought \$1,000 from Crowe Creek Ranch, Forest City, Ark. Top female was lot 62, Silverglow 52nd, and she was bought on the bid of R. H. Leniton, Juanita, on the bid of \$1,410. Freddie Chandler sold the offering. Vic Roth, Hays, capably managed the sale.

On November 14 the KREHBIEL 4K RANCH HEREFORD SALE, at Hutchinson, brought a total of \$25,775, making a general average of \$379 on the 68 head of cattle sold. Many of the cattle were of short ages and the offering was presented in pasture condition. Nineteen bulls made an average of \$477 and 49 females averaged \$341. Top bull was lot 1, 4K Domino 960th, and went to Miller Bros., McPherson, for \$800. Top female, lot 34, New Princess 53d, bred to Walnut Hill Bobby 5th, sold at \$490 to Ralph Howard, Mt. Hope. Gene Watson sold the sale.

The 89 head of Holstein cattle offered for sale in UPHAM & JUNGHANS DISPERSAL SALE, on November 6 at Junction City, totaled \$25,735. The cattle made a general average of \$289 per head. Forty-nine head of mature cattle including the bull and 5 springer heifers, averaged \$385, the bull selling for \$460. The top 20 cows sold for \$9,192, averaging \$460 per head. This included 2 registered cows which sold for \$535, being the top cow of the sale, and the other one sold for \$500. Three of the grade cows brought \$500 and the baby calves under a month old sold from \$85 to \$115. Col. Bert Powell sold this fine offering.

The CENTRAL KANSAS POLLED HEREFORD ASSOCIATION sold 44 head of cattle for \$22,495 on November 20, at Herington. Twenty-seven bulls averaged \$561 and 17 females sold for \$432 per head. Top bull was lot 14, BO Rollo 20th, consigned by O. J. Shields, Lost Springs, and brought \$1,100, going to W. A. Christy, Oswego. Show champion, lot 11, MHF Advance Blocky 3rd, consigned by Cecil Medley & Sons, Tampa, sold to Harold Gingrass & Sons, Sedgwick. The show champion and top female champion was lot 42, Dew Drop Domino, consigned by Arthur Wittorff & Son, Inman, and sold for \$800 to John Lewis & Sons, Alfalfa Lawn Farms, Larned. Freddie Chandler sold the offering, assisted by various men of the livestock press.

The O'BRYAN RANCH POLLED HEREFORD SALE held at Hiattville, November 17, was attended by a large crowd of buyers and spectators. The 117 lots of cattle sold for a total of \$70,360 to average \$601. Forty-six bulls sold for an average of \$430 and 69 females averaged \$706. Lot 21, Eureka Beau Queen, bred to EER Victor Tone 4th, topped the entire sale at \$3,000, and was purchased by Buck Moore, Senatobia, Miss. Lot 4, O'Choice Domino 77th, topped the bull sale at \$900, and sold to Earl Allen, Walker, Mo. Several states were represented in this sale. Heaviest buyer was E. E. Schmidt, Eureka Springs, Mo., who purchased 11 head of Polled Herefords. The sale was conducted by Jewett Fulkerson and Gene Watson, assisted by 10 men, members of the livestock press.

The MISSOURI HAMPSHIRE BRED EWE SALE, at Columbia on November 23, averaged \$72.50 on 84 head. Ages of the ewes was from yearlings to 7-year-olds with over 20 head passing the 4-year-old age. There were no extreme tops and only 15 head were sold for \$100 or more. Top ewe sold for \$210 to Sky Bell Farms, Manteno, Ill. This was a yearling ewe consigned by Glenn Armentrout & Son, Norborne, Mo. Third high ewe at \$150 was an Armentrout yearling, J. R. Poague, Lincoln, Mo., had the 2nd high-selling ewe, 2-year-old at \$152.50, and she went to Estill & Wilcox, New Franklin, Mo. Buyers were conservative in their bidding and some good buys could be made on choice ewes from \$75 to \$100. While 75 per cent of the offering stayed in Missouri, buyers bought them from Illinois, Arkansas and Iowa. Bert Powell was the auctioneer.

WESTERN MISSOURI CATTLE BREEDERS' ASSOCIATION sale of registered Herefords, Angus and Shorthorns (Polled and Horned) at Clinton on November 13 made the splendid average of \$476.70 on 63 head. Thirty-seven bulls averaged \$490.80 with 26 females averaging \$456.73; 15 horned Hereford bulls averaged \$585; 14 Angus bulls averaged \$493.21 and 8 Shorthorn bulls averaged \$311.85. Eight Angus heifers averaged \$461.25 and 15 Hereford heifers averaged \$454.72.

The top bull, a Hereford, sold for \$1,500. He was consigned by William Peters, Leeton, Mo., and purchased by Longview Farms, Lee's Summit, Mo. Two Angus bulls sold for \$1,000 each. They were consigned by J. W. Bradley & Sons, Calhoun, and one went to Jay Pyett, Butler, the other to E. E. Waller, Nelson, Mo. Leo Stroppe & Son, Montrose, had high-selling Shorthorn bull at \$450. Buyer was E. M. Breckenridge, Eldorado Springs, Mo. The price paid for top Angus heifer, a Bradley heifer, was \$850, and the buyer was Ed Frazer, Drexel, Mo. The W. A. Oberkrom estate, Clinton, had the top Angus heifer, at \$750. Buyer was Jerry Chitty, Adrain, Mo. Kansas buyers made selections in this sale. C. C. McGennis, Rich Hill, Mo., assisted by press representatives, conducted the sale.

Beef CATTLE

SOUTH CENTRAL KANSAS HEREFORD ANNUAL SALE
December 7
Newton, Kansas

50 head both horned and polled cattle will be sold. 31 Bulls—All but 3 are ready for heavy service. 18 Females—The females are either bred or old enough to breed.

For catalog and information write
PHIL ADRAIN, Sec.-Sale Mgr.
MOUNDRIE, KANSAS
Gene Watson, Auctioneer
Mike Wilson for Kansas Farmer

REGISTERED BROWN SWISS

at Public Auction
Monday, December 17
11:30 A. M., FFA Barn
Iowa Falls, Iowa

53 Head: 45 Females, 8 Bulls, Th. and Bang's tested—mostly vaccinated. Consignments from Iowa and Wisconsin, with a top bull consigned from High Meadow Farm in Connecticut. It's a good time to buy cows—milk is going up!

For catalog write
NORMAN E. MAGNUSSEN
Lake Mills, Wisconsin

Dual-Purpose CATTLE

BROOKVIEW MILKING SHORTHORN HERD
Cows classified and DHIA tested. Visitors always welcome.
LEROY HARVEY, Hill City, Kansas

For list of REG. MILKING SHORTHORNS now offered for sale by breeders, write
Kansas Milking Shorthorn Society
C. O. Heldebrecht, Secretary, Inman, Kansas

MILKING SHORTHORN BULLS
2 months to serviceable age.
J. E. HUGENOT, Moline, Kansas

REG. MILKING SHORTHORNS, 18 mo. dark red bull, sire classified Ex. Dam: V. G., 9,041 lb. milk record. Also bulls 12 to 14 mos. from Ex. sire and RM dams. Also some females. Elmer Knackstedt, Inman, Kan., 2 N. and 1 1/2 W.

HOGS

POLAND CHINA SPRING BOARS and GILTS

Of the same good quality as we have produced in the past. Come visit and inspect our registered Polands at our new location. The farm is 1 mile northeast of Big Springs. The P. O. is Lecompton. We will be looking for you.

RAY SAYLER & SONS
Lecompton, Kansas

POLAND CHINA BOARS

of top quality sired by the Aristocrat-Jeffersonian and Advancer. We have them priced reasonable. Write us. We are just over the line in Nebr.
BAUER BROS., Gladstone, Nebr.

PUREBRED SPOTTED POLAND BOARS

The Profitable Type
Ready for Service
CARL BILLMAN, Holton, Kansas



Reg. OIC Hogs
Chester Peterson
Osage City, Kan.

FOR SALE

2 Duroc Herd Boars. Champion breeding. King of Diamonds—best sire and individual I ever owned—he by Red Diamond. Also Deet's King, reserve junior champion Kansas 1949, by Royal King Nebraska champion 1948. Spring boars at \$60.

MEL SHEPHERD, Lyons, Kan.

DUROC BOARS FOR SALE

Serviceable age. Registered, vaccinated and guaranteed. Farmers type boars at farmer prices.
GEORGE C. WREATH, Belleville, Kan.

FOR SALE—REGISTERED

Hampshire Hogs and Hereford Bulls. Either for sale or share. Reasonable.
DWAIN HOLCOM, Gypsum, Kansas

HOLSTEIN DISPERSAL SALE

At farm 5 miles south of Oskaloosa, Kan., and 16 miles north of Lawrence, Kansas
27 HEAD SELL

Thursday, 1 P. M. on December 13

Selling 8 Registered Cows, 10 Registered Heifers, 2 Registered Bulls, 4 Grade Cows and some Grade Heifers. Production—2 years of DHIA records. Herd average last year 380 pounds of butterfat. Several of the better cows were recently fresh. Note—Some of top females in Holstein auctions have come to this herd. Health—Health papers will be furnished. All heifers are calfhood vaccinated.

KENNETH HERSCHEL, Owner, Oskaloosa, Kansas
Auctioneer—Bert Powell, Topeka, Kansas

DATE CHANGED!!!

We have changed the date of the 2nd St. Joseph Round-up Aberdeen-Angus Sale from December 4 to
Friday, December 21, 1951

The sale will be held at the Purebred Livestock Sale Pavilion
SOUTH ST. JOSEPH, MISSOURI



Plans are to sell 100 head of unfitted Aberdeen-Angus. Mail your consignments today to Sales Manager.

For Further Information or Sale Catalog Write
DONALD J. BOWMAN, Sale Manager, Hamilton, Missouri
Auctioneer: Col. Roy Johnston, Belton, Missouri

Polled Hereford AUCTION

At the Atwood Sale Barn
Atwood, Kansas
Thurs., Dec. 13, 1951

13 BULLS — 20 FEMALES
Bloodlines: President Mischief 30th, Advance Worthmore Huskly Treadway and Modest Anxiety.

Consignors
GEO. N. HAWKINS & SONS, McDonald
H. L. HUESSMAN, Atwood
EUGENE HOLMDAHL, Herndon
OLSON BROTHERS, Herndon

Cattle in pasture condition.

For catalog write to
DELBERT HAWKINS
McDonald, Kan.

FOURTH ANNUAL SHOW AND SALE
Hutchinson, Kansas
December 10

Fairgrounds

Show: 9 A. M. — Sale 1 P. M.
48 HEAD—31 Bulls, 17 Females

Top Polled Cattle from Top Kansas Herds. Annual meeting and banquet will be held at the Bisonte Hotel, Hutchinson, on the evening of December 9. Visitors welcome.

For catalogs and further information write
VIC ROTH, Sec.-Sale Mgr.
Box 702 Hays, Kansas

KANSAS POLLED HEREFORD ASSN.

Freddie Chandler, Auctioneer
Carl L. Tassul, Jr., Judge
Mike Wilson for Kansas Farmer

REGISTERED HEREFORD PRODUCTION SALE
December 12
Quinter, Kansas

Sale Pavilion
71 Head—37 Bulls, 34 Females

Some cows with calves, 17 bulls serviceable age, 16 open heifers, 8 mature cows, some with calves.

For catalog write
Charles and Russell Stewart
Quinter, Kansas
Owners
Freddie Chandler, Auctioneer
Mike Wilson for Kansas Farmer

Buy U. S. Savings Bonds

Northwest Missouri Hampshire Sheep Breeders' Association

BRED EWE SHOW & SALE

Saturday
Dec. 15, 1951

Show 10 A. M.
Sale 1 P. M.

PUREBRED LIVESTOCK SALE BARN

South St. Joseph, Mo.

50 Head of Ewes that will be bred to some of the outstanding rams of the breed.

For catalogs or additional information write
F. B. HOUGHTON, Secretary
Northwest Missouri State College
Maryville, Missouri
Auctioneer: Bert Powell



Beef CATTLE

100 HEAD

Banbury's POLLED SHORTHORNS
For sale: "Supreme Hallmark" calved March 18, 1949. Dark Red, among the best in Polled Shorthorns. Guaranteed. Herd sire: Cherry Hill Hallmark 3rd in Get of Sire at the Kansas State Fair in 1950. Princess Coronita—Champion female at the Kansas State Sale in 1950. Calves vaccinated, deliver at cost in Kansas.
9 miles southwest of Hutchinson, then 14 miles west on blacktop road.
J. C. BANBURY & SONS
Plevna, Kansas

POLLED SHORTHORN BULLS

We are offering an outstanding lot of growthy, good colored young bulls that will please. All are Bang's vaccinated and healthy. Fifteen head available.
THE MILLER STOCK FARMS, Mahaska, Kan.

Reg. ANGUS Cattle

For Sale — Young Bulls 7 to 18 months old, sired by "Bar Ever Prince 2nd" a good son of "Ever Prince of Sunbeam," out of top cows. Also bred and open heifers.
HARVEY HALL, Pierceville, Kan.

REG. ABERDEEN-ANGUS BULLS

For Sale. Sunbeam Breeding.
CHESTNUT & RAILSBACK, Quinter, Kan.

TRY JOHNSON'S

HEREFORD BULLS

LOOK—Just the bull calves you have been waiting for. Choice registered bulls, 7 to 10 months. Herd bull prospects. They are sired by a grandson of Larry Domino 50th. Inquire of
LEONARD B. JOHNSON, Alta Vista, Kan.

REGISTERED

HEREFORD BULLS

Domino and WHR bred, 14 to 18 months old, well grown, and in good breeding condition. Also a few commercial yearling heifers.
JOHN D. ERICKSON
Olsburg, Kansas (Pott. County)

OFFERING REGISTERED POLLED HEREFORDS

20 choice bull calves and several heifer calves, sired by Advance Choice 16—a grandson of Advance Domino 50, and Advance Domino 8, a son of CMR Advance Domino 35. Priced reasonable. Write or visit.
MARTIN I. SHIELDS & SONS
Lincolnton, Kan., near Highway 77 & 50 N.

POLLED HEREFORD BULL For Sale—18-months old. Reg. Bull. Smooth and yellow. Sired by P. V. F. Beau Advance and out of real Madonna 3.
RICHARD L. SCHMIDT, Rt. 2, Newton, Kan.

Dairy CATTLE

SUNNYMEDE HOLSTEINS

Bulls of service age for sale. Burke Breeding—Proven Herd Sire
PABST BURKE LAD STAR
Son of "Burke," Junior herd sire
PABST ROBURKE ADMIRAL
Son of Pabst Roamer
Sunnymede herd has completed 21 years of continuous test (2x) in the Holstein-Friesian herd test.
C. L. E. EDWARDS
Route 9 Topeka, Kansas

HOME FARM DAIRY

For Sale—20 Guernsey Heifers
Coming 2-year-old, starting to calve March 1. This is a nice marked group and in good condition.
PAT CHESTNUT
Denison, Kan. Phone 8F55

Ayrshire Bulls & Females

For Sale—Bulls of serviceable age and from "Excellent" and "Very Good" cows with records of 435 lbs. fat and up. These bulls are priced right and near market price. Cows we offer have records of 335 lbs. fat and one over 400 lbs. fat.
KOW KREEK FARM
FRED AND LOWELL STRICKLER
Route 3 Hutchinson, Kan.

AUCTIONEERS

HAROLD TONN

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

BERT POWELL

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

Kansas breeders consigned 61 head to the **KANSAS STATE HOLSTEIN SALE** that averaged \$523.50. Top was \$880 on the cow Bollman Lyons Korndyke Walker, consigned by Raymond Bollman, Edna, and purchased by R. L. McConnell, Cherryvale. Next highest cow was consigned by St. Joseph's Home Farm, Abilene, and purchased by the Enid State Hospital, Enid, Okla., at \$875. Five bulls consigned averaged \$459. Top bull was consigned by Burgers Holstein Farm at Seneca, and purchased by Marvin Osborne, Oklahoma City, Okla., at \$650. Ten head of heifer calves all born after July 1, 1951, sold to 4-H boys and girls, averaged \$243.50. The sale was under management of the state sale committee with Grover G. Meyer, Basehor, chairman; R. L. Evans, Hutchinson, and Roy Chamberlain, Olpe. Bert Powell was auctioneer, assisted by Charles Cole, Wellington, and Mike Wilson, Topeka.

MFA ARTIFICIAL BREEDING ASSOCIATION, Springfield, Mo., held an auction at the farm just south of Springfield on November 2. Ninety-two head of Jerseys, Guernseys and Holsteins were sold and they were all sired artificially by bulls at this farm. It was the 1st sale of this kind ever sponsored by a breeding association in this part of the country. Both registered and grade females were sold. The sale included females only: 92 head were sold for an average of \$234.34. Despite snow the day previous and the night before, with an ice condition on the roads that made travel hazardous the morning of the sale, results of the auction was entirely satisfactory.

Breaking down the sale average it was as follows: 11 registered Jersey cows—\$381; 3 registered bred Jersey heifers—\$223; 9 registered open heifers—\$220; 9 grade Jersey cows—\$283; 15 grade Jersey bred heifers—\$192; 20 grade Jersey open heifers—\$141; 3 registered Guernsey cows—\$423; 1 registered Guernsey heifer—\$305; 5 grade Guernsey cows—\$298; 6 Guernsey open heifers—\$164; 9 grade Holstein cow—\$605. This cow was the sale top. Top Jersey and top Guernsey cow, both registered, each sold for \$500. J. Warren Nordyke is manager of this association. Bert Powell, Topeka, and Tony Thornton, Springfield, were auctioneers.

Despite heavy snowfall at starting time the **WESTERN REPUBLICAN VALLEY HEREFORD ASSOCIATION TOUR** started off as scheduled on Thursday, November 15. Later the weather cleared, making it an ideal day for a tour.

The association covers 2 counties, Cheyenne county, and Dundy county, Nebr. Herds belonging to ranchers from the 2 counties were looked at by the 200 attending the tour.

In the morning the tour route took the group to the ranches of Thad Douthit, Jim Douthit, John Keller and Sons, and Marvin Mills all of St. Francis, and the Dave Semler ranch of Hagler, Nebr. Lunch at noon was served with the compliments of the banks of the 2 counties. Afternoon stops were made at Paul Freehling's and Forest Scrivner's ranches of Hagler. From there the route moved to ranches belonging to Chris Ferguson, St. Francis, and Sam Drunswig, Benkelman, Nebr. The tour was terminated at the Alvin Kehlbeck feed lots, Bird City.

The importance of good grass was also stressed on the tour. A Sandlove grass seeding was to be looked at, but was covered with snow. A stop was made at a 2-year-old stand of intermediate wheat grass. Practical management was emphasized in the herds visited on the tour as well as other herds in the territory. No extremely fitted show herds were evident nor were any hobby herds on display.

The **GOLDEN WILLOW RANCH POLLED HEREFORD SALE** held at the ranch south of Liberal, Mo., and 12 miles east of Pittsburg, on November 16, made the satisfactory average of \$784 on 63 head. This average was about \$180 over their 1950 sale average. Bulls, 22 head, averaged \$992. Females, \$41 head, averaged \$672. Offering went to buyers from Missouri, Kansas, Arkansas and Oklahoma. A number purchased several head each. Bulls topped at \$2,500, with 1 bull selling for \$1,750 and 2 bulls selling for \$1,500 each. The top bull was an April yearling bull sired by CMR Mischief Domino 30th. He was purchased by E. V. Owens, Kidder, Mo. Top bred heifer, also sired by CMR Mischief Domino 30th, went to E. V. Owens, at \$1,250. The top open heifer, a daughter of Beau Battle, was bought by E. V. Owens for \$900. Twelve sons of CMR Mischief Domino 30th sold for an average of \$1,130. Second high-selling bull at \$1,750 went to Dickinson Brothers, South Coffeyville, Okla. He was sired by Prince D. Rollo, Don S. Myer, McBlaine, Mo., paid \$1,500 for a CMR Mischief Domino yearling bull. Joe Roark, Neosho, paid \$1,500 for another yearling son of the "Domino" bull. Fifteen head of bulls and females sold for \$1,000 or more.

It was a cold, raw day but the crowd put up with the weather as they wanted to buy Polled Herefords and they liked the offering sold by George K. Brinkman, Pittsburg, and George E. Harmon, Liberal, Mo. The owners held the sale in a large tent. Hamilton James, assisted by press representatives, conducted the sale.

The **MCPHERSON COUNTY MILKING SHORTHORN SALE** was held in the new 4-H Building at Moundridge, November 8. This was the 8th annual sale sponsored by the McPherson county organization. The sale was well attended and much interest in the breed was shown. This new 4-H building, completed last summer as a community project, would be a credit to any city or community. The city of Moundridge and the community needs to be congratulated for the completion of this project and it should prove to be an asset to the community as well as the city.

Melvin M. Harris, Hamilton, was top buyer, getting 5 head. He got the top bull at \$400 and one of the top females at \$525. These were consigned by Martin M. Goering and J. E. Ediger & Sons, Inman, respectively. The other top female sold at the same figure and she was consigned by Irvin Knackstedt, Conway, and bought by J. Hobart Goering, Moundridge. The 2nd high-selling female was a bred heifer bought by Melvin M. Harris for \$370 and she was also consigned by Martin M. Goering. Howard Spurrier, Cheney, was the buyer of the 2nd high bull, for \$360. This was a white polled bull consigned by Milton W. Goering, Inman.

Ten young bulls averaged \$293 and 18 females \$297. The over-all average of 28 head was \$296. This was considered a good average since 13 of the 28 sold were 1951 calves. Cattle were sold in ordinary farm condition, and all were bought by Kansas buyers. Others buying 2 or more head each were: Edward N. Mater, Olmits, 3 head; Morrison & Otte, Great Bend, Clarence E. Perrin, Jennings, and Victor Wittig, Hanston, 2 head each.

Gus Heidebrecht was on the block and was assisted by Dale Lechlitter and Ted Krehbiel. Joe Hunter read the pedigrees.

LARRY CALF SALE
7TH ANNUAL BK HEREFORD RANCH CALF SALE
Wednesday, December 19

at the Minneapolis Sale Pavilion

Minneapolis, Kansas

Sale at 1:00 P. M.

The pavilion is heated and lunch will be available.

24 Bulls — 18 Heifers



All sired by Dandy Larry D. 48th. The offering is of late 1950 and early 1951 calves. We are selling our entire calf crop. You may study the tabulation of Dandy Larry D. 48th, our herd sire. You will find he is a son of Bridwells MW Larry Domino 30th. He is in his working clothes but he is very thick fleshed, deep, smooth and a lot of breed character. A number of his sons last year went into some of the top herds in Kansas. He sires calves with great depth of body and good heads. Our cow herd is based on strong Hazlett, WHR and Advance Domino breeding. If you will be needing a future herd sire or replacement heifers of top quality and outstanding breeding, don't fail to attend this sale.

Dandy Larry D. 48th 5378745, Nov. 7, 1947, Herd Sire

- | | |
|---|---|
| Larry Domino 50th 2624412
Breeder, J. S. Bridwell | Larry Domino 2085736
Breeder, Ken-Caryl Ranch Co. |
| MW Larry Domino 30th 3729237
Breeder, Milky Way Farms | Miss Sturges 2189934
Breeder, J. S. Bridwell |
| Larry's Lady A. 45th 3312109
Breeder, J. S. Bridwell | Dandy Domino 107th 1857520
Breeder Chas. Rule |
| Larry Domino Jr. 2358567
Breeder, J. S. Bridwell | Pueblos Lass 30th 1375003
Breeder, Dos Pueblos R. & I. Co. |
| Belle B. Blanchard 2406678
Breeder, J. S. Bridwell | Larry Domino 2085736
Breeder, Ken-Caryl Ranch Co. |
| | Bright Duchess 73d 1880139
Breeder, R. V. Colbert |
| | Bull Blanchard 1st 2146916
Breeder, Colbert Land & Cattle Co. |
| | Belle 4th 1500167
Breeder, R. V. Colbert |

For catalogs write

BK HEREFORD RANCH, Longford, Kansas

Owners: Clarence Bergmeyer and Clarence Loerner
Gene Watson, Auctioneer Mike Wilson for Kansas Farmer

A. R. SCHLICKAU & SONS HEREFORD SALE

ANNUAL SALE

Haven, Kan., December 8

60 HEAD



25 Bulls—all sons of HC Larry Domino 50th, 5 Open Heifers by "THE 50TH", 5 Heifers by "THE 50TH" and bred to Hillcrest Larry 41st, 20 Heifers bred to HC Larry Domino 50th and 6 Heifers bred to a son of HC Larry Domino 50th. Both of the latter groups of heifers are sired by Unawep Domino 77th, Mischief Domino 1st and Advance C. Domino 28th.
We would be pleased to send you a sale catalog. Please write us.
Auctioneers: Freddie Chandler and Gene Watson
Sale at the farm at HAVEN, KAN., 1 mile south 1/4 miles east.
18 miles southeast of Hutchinson 36 miles northwest of Wichita on Highway K 96.

BRED SOUTHDOWN EWE SALE

at Valley View Ranch

3 miles west and 3 1/4 miles south of

HAVEN, KANSAS

DECEMBER 14, 1951

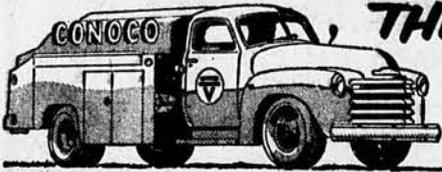
Sale at 1:00 P. M.

60 Head Southdowns will be sold to reduce flock. Ewes are of the bloodlines of Kentucky's top breeding. Ewes are bred to these rams: Elmcroft 24A, Don Ead Farms, Canada bred ram; Maplecrest 377-48, A. H. Stephenson, Lexington, Ky., bred ram; Sherman Farm's 1215, B. C. Cotton, Dry Ridge, Ky.; OAMC, bred by Oklahoma A. & M. College. Rams all have been shown and have show records. Lambs shown in 4-H work from this flock have won champion at the state fairs and Fat Stock Show the last 4 years. Also 25 head of Shropshires from flocks of O. W. Fishburn & Son and Wayne Worthington. Ewes bred to outstanding show rams. I intend to have this an annual affair. Free delivery to anyone buying 3 lots or more.

HAROLD TONN, Owner & Auctioneer

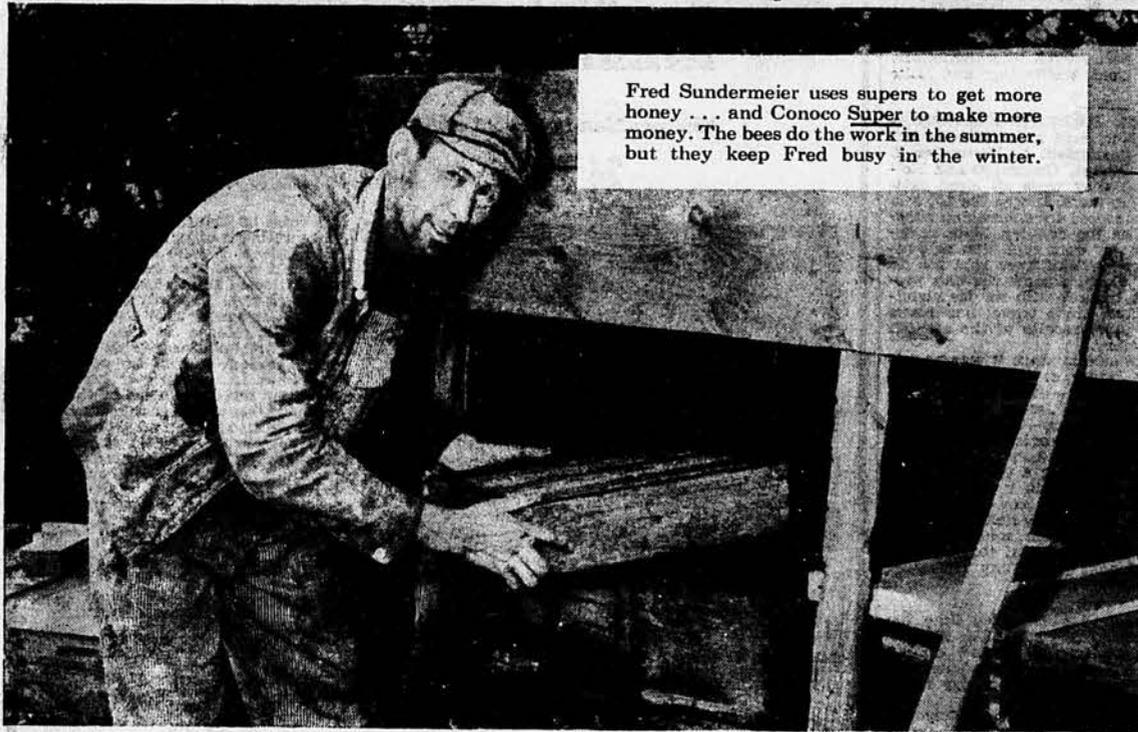
Mrs. Harold Tonn, Clerk Mike Wilson for Kansas Farmer

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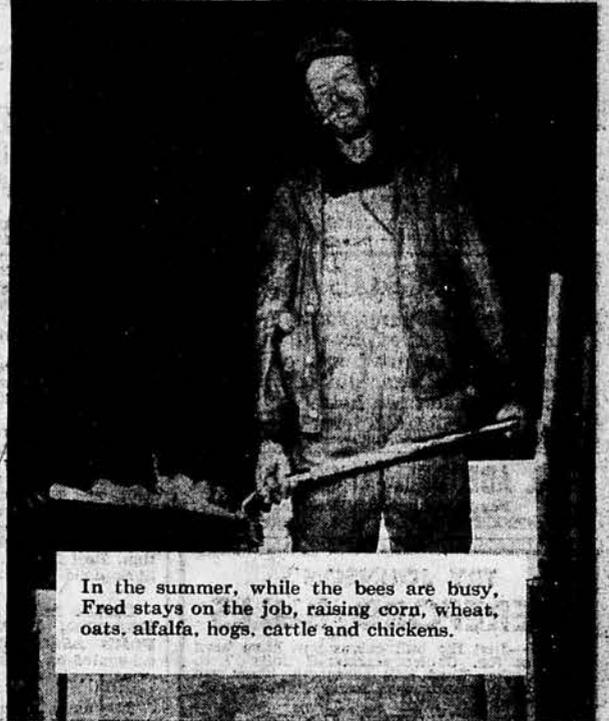


THE

TANK TRUCK



Fred Sundermeier uses supers to get more honey . . . and Conoco Super to make more money. The bees do the work in the summer, but they keep Fred busy in the winter.



In the summer, while the bees are busy, Fred stays on the job, raising corn, wheat, oats, alfalfa, hogs, cattle and chickens.

Who's Busier Than a Bee?

IF YOU THINK THE BEES ARE BUSY . . . YOU ought to see the beekeeper!

That's the opinion of Fred Sundermeier, who raises a lot of things on his Blue Hill, Nebraska, farm—including honey.

Fred produces wheat, corn, oats, alfalfa, hogs, cattle and chickens on his 320-acre farm, but he says there have been a couple of seasons when it was the honey harvest that was the money crop of the place.

Although bees do most of their work in the summer, Fred puts in his longest hours in the winter, getting everything ready for spring. Empty hives must be ready for

swarming time. The water supply has to be kept plentiful for the brood-rearing season.

And above all, he must have plenty of supers . . . the movable sections of the hive in which the bees store the honey.

Yes, Fred Sundermeier depends on supers

for his honey profits. And he depends on another "super" . . . Conoco Super Motor Oil . . . to keep down his operating costs and increase the profits from his other crops.

"I've used Conoco Products for 5 years," Fred says, "and I wouldn't use anything else."

"I usually have my tractor checked over every year, but since I have been using Conoco Super, I haven't had much done to the tractor, and it runs just like new. Conoco Super Motor Oil is the best, and I have urged many of my neighbors to use it also."

Report from Alma

"I own a 190-acre farm south of Alma, Arkansas," writes W. C. Wood. "I've been using Conoco Products 100 per cent since 1929. Recently I traded a Ford pick-up that had been driven 185,000 miles using



Conoco motor oil exclusively—and the head and pan had never been removed from that engine! I've been using new Conoco Super Motor Oil since its introduction, and in my estimation it can't be beat!"

Ice Box Roll



Mrs. John F. De Honey
P. O. Box 31
Raytown, Missouri

5 eggs, separated
1 cup sugar
2 rounded T. sifted flour

3 scant T. cocoa
1 t. vanilla

Beat egg yolks thoroughly, add the sugar and mix well. Sift in the flour, cocoa and vanilla, blending until smooth. Beat egg whites and fold in carefully. Pour batter in greased and floured square layer cake pan. Bake in 350 degree oven 15 minutes. Remove from oven, place on damp cloth and allow to cool. Whip ½ pint of whipping cream, adding sugar and vanilla to taste. Spread whipped cream on cake and roll up like a jelly roll. Place in ice box to cool while preparing icing.

ICING

2 cups powdered sugar
1 ½ T. cocoa
1 rounded T. of shortening

1 t. vanilla
2 T. hot coffee

Mix thoroughly. Remove roll from ice box and ice. Place back in ice box and let stand an hour before serving.

Send your favorite recipes to Mrs. Annie Lee Wheeler, Dept. 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.

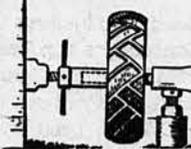
FARM KITCHEN

No Ridges



Add a spool and another disc, 4" smaller than the rest, to your tandem discs, to keep from making a ridge and a deep furrow, suggests Celestin Stremel, McCracken, Kansas.

Wheel Adjuster



To adjust rear tractor wheels on axle for various widths, set rear wheel on jack near a building, place a short pipe over axle, and push wheel in with another jack against building, says Fred Stanek, DeKalb Hybrid Seed Corn, R. 1, Fort Dodge, Iowa.

SAWS FOR IDEAS!

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

"50,000 Miles - No Wear"

After a punishing 50,000-mile road test, with proper crankcase drains and regular care, engines lubricated with new Conoco Super Motor Oil showed no wear of any consequence . . . in fact,



an average of less than one one-thousandth of an inch on cylinders and crankshafts. AND gasoline mileage for the last 5,000 miles was actually 99.77% as good as for the first 5,000! This test proved that new Conoco Super, with OIL-PLATING, can make your cars and trucks last longer, perform better, use less gasoline and oil.



YOUR CONOCO MAN