

8618

Cap. 2

Kansas Farmer

CONTINUING MAIL & BREEZE

APRIL 16, 1949





If your tractor tires slip— get the new Super-Sure-Grip

— it goes where other tires won't!

On those tractor jobs where tire slippage is your big problem, try Goodyear's amazing new SUPER-SURE-GRIP. It keeps tractors working where they couldn't work before—*yet doesn't cost you a penny more!*

Reason: This premium-performance tractor tire has all the proved superiorities of o-p-e-n c-e-n-t-e-r design PLUS deeper bite, longer wear and far greater traction.

Look at its tread and you see lots more rubber in the lugs — which means lots more rubber *in the ground*. Bigger, broader, longer, *high-shoulder o-p-e-n*

c-e-n-t-e-r lugs that grip like a gear wheel — providing super-long wear and "the greatest pull on earth!"

That's why this great SUPER-SURE-GRIP outpulled other tires in hundreds of field tests — got tractors through slick going where other tires stalled!

And that's why it will save you days on your tougher tractor jobs — will keep your tractor working where it couldn't work before. So get these new Goodyears as replacements for worn tires, and specify them on your new tractor. They cost no more but last far longer — *and go where other tires won't.*

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

GOODYEAR

Super-Sure-Grip Tractor Tires

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

Club Youth to Europe

Stanley Meinen, 21-year-old junior in agriculture at Kansas State College, from Ruleton, and Evelyn Haberman, 21, a freshman in home economics from Heizer, will represent Kansas 4-H Club work in the 1949 International Farm Youth Exchange program. A total of 30 club youth will be included in the summer pilgrimage to Europe.

Mr. Meinen and Miss Haberman will spend most of their time abroad in Switzerland and Holland, respectively. Tentative plans are for sailing in June with the return set for October or November. Last year, Armin Samuelson, Topeka, 4-H youth and junior leader, represented Kansas, and worked and lived for several months on farms in Sweden. (You read his letters from Europe in Kansas Farmer.)

Both parents of Mr. Meinen, who has completed 11 years of outstanding club work in the Harmony Hustlers 4-H Club, Sherman county, were born in Switzerland and did not come to this country until maturity. Stanley will have an opportunity to see many of his relatives for the first time. This semester Stanley is serving as president of the Kansas State Collegiate 4-H Club, an organization made up of 600 former club members.

Thirteen months army training in ski and mountain troops in Colorado interrupted Stanley's college course. His chief project interests have been junior leadership, livestock, crops, and home improvement.

Thoro project work and unusual success in club and community leadership have highlighted Miss Haberman's 5-year club career. Her latest honor was winning the 4-H service award scholarship of \$250 for 1948, given by WIBW. Her club is the Eureka Homesteaders 4-H Club. Her people are of German extraction. She has shown real interest in UNESCO 4-H Club relationships.

4-H Judging at Hays

Four-H Club judging teams in the sixth and seventh congressional districts of Kansas are looking forward to another big judging program to be held Friday, April 29, at the Fort Hays Experiment Station, Hays. Only club judging teams certified by the county Extension agent are eligible to compete. Entries are due at the Fort Hays station by April 21.

Last year more than 600 club members took part in the home economics, livestock, and crops judging. L. C. Aicher, superintendent of the station, has announced the judging contest will start promptly at 9 o'clock in the morning in order to complete the day's work.

Cart for Basket

To eliminate backache from wash-day, I made a handy cart from the baby basket and walker which my children had outgrown. The basket was placed on the walker and tied down securely with strong wire. The clothes may be wrung into the basket directly from the wringer and the basket pushed to the line with no lifting.—Mrs. L. W.

Senator Capper on Radio

Every Sunday afternoon at 3:30 o'clock Senator Arthur Capper discusses national questions over WIBW radio station.

KANSAS FARMER

Continuing Mail & B eze

Topeka, Kansas

Vol. 86, No. 8

ARTHUR CAPPER Publisher
H. S. BLAKE General Manager
Raymond H. Gilkeson Editor
Dick Mann Associate Editor
Edward W. Rupp Associate Editor
Florence McKinney Women's Editor
Dr. C. H. Lerrigo Medical Department
James S. Brazelton Horticulture
Mrs. Henry Farnsworth Poultry
Jesse R. Johnson Livestock Editor
Mike Wilson Livestock Fieldman
J. M. Parks Protective Service
Roy R. Moore Advertising Manager
A. E. Carson Circulation Manager

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

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

Three years, \$1; one year, 50 cents. Copy 5c.

To Save Garden From Insects

By WILLIAM G. AMSTEIN
Kansas State College Extension Horticulturist

WHEN insects move in, our expected returns from the home garden can decline quickly. Good yields from home gardens during these years are important. Garden insects should be controlled, both to give you the personal satisfaction of having a good garden and to make a better contribution to the world's food supply.

The important thing about controlling garden insects is to keep them from getting started. This can be done with little effort if you will give a few minutes once a week to insect control. Here is a simple 3-point program which will help you save your garden from insects:

1. Use rotenone once each week.
2. Apply it carefully and thoroughly.
3. Use other control methods where necessary.

A once-a-week treatment of garden vegetables with rotenone will kill many of the common insects. The relatively few survivors can be taken care of thru other insecticides and methods. The big advantage of rotenone is that you can use it effectively against many insects even tho you aren't an expert in bug control. When in doubt use rotenone.

Apply Once a Week

In dust or spray form, rotenone can be bought from nearly any dealer in seeds and farm supplies. Like other insecticides it is sold under many trade names. Apply it to your vegetables once a week, or as close to that schedule as weather permits, and you will be well on the way toward satisfactory control of insects.

Rotenone will control most of the leaf-chewing beetles and caterpillars. It is useful against bean-leaf beetles and flea beetles on tomatoes, radishes, carrots, beets, and plants grown for greens.

It will control caterpillars on cabbage, broccoli, cauliflower, and lettuce, aphids on turnips, striped and spotted cucumber beetles on melon and squash, as well as melon worms and pickle worms on squash, cantaloups, and cucumbers.

Rotenone can be used with safety on all garden crops. In amounts sufficient to kill insects, it is not poisonous to humans, birds, or animals.

In this once-a-week treatment, be sure the rotenone is applied carefully to both upper and lower surfaces of the plants. The dust or spray needs to reach under sides of the leaves as well as the top sides. Success will depend upon both the regularity and the thoroughness of the applications.

In buying any insecticide, including rotenone, remember the active ingredients are important. The percentage of active ingredients is often shown in smaller print on the label of the container. Be sure to check and see that the percentage is high enough to do the job. In other words, look for the decimal point.

Rotenone preparations for dusting should have at least an active ingredient content of 0.75 per cent (3/4 of 1 per cent) rotenone or better. A 1 per cent dust is even better. (Rotenone in this form may be applied as purchased with a dust gun.)

The powdered product suitable for use in a spray mixture should contain 4 or 5 per cent rotenone. (Such powders are mixed with water and applied with a sprayer.) The derris material you used for cattle grubs is a good one

for your garden since it was usually a 5 per cent material. You can dilute it one half with flour and still have a good dust mixture.

Rotenone will not kill some species of insects, especially the waxy aphids on cabbage and broccoli, or leafhoppers on beans and potatoes. If plant lice (aphids) or leafhoppers get a start in your garden, you will have to use some other kind of insecticide. For aphids, use nicotine sulfate (Black Leaf 40). Use the commercial product diluted in water according to directions on the label. Use it only on plants infested where needed.

For leafhoppers, use a pyrethrum preparation either as a dust or a spray. Pyrethrum is a common insecticide sold under many trade names. Ask for pyrethrum, then look at the label and check the total pyrethins content, which will be given under "Active ingredients." Get a 0.3 per cent preparation.

Squash bugs on pumpkins and squash and harlequin bugs on cabbage are probably best controlled with sabadilla, a rather new insecticide. It won't take much. Use it on the infested plants only. Sabadilla is not so readily available as some of the other insecticides listed. If you have difficulty in finding a supply, consult your county agricultural agent or spray-material dealer.

For cutworms, use a poisoned-bran

bait before planting your vegetable garden. There are a number of good baits on the market and there is no better way to control cutworms. If you wait to treat the ground after you plant, often the best plants are lost.

Paper collars can be used to keep cutworms from eating off the stems of young transplants, and cardboard disks planted at the base and encircling the plants will protect young cabbage, broccoli, and cauliflower plants from the cabbage maggots.

If you find caterpillars on carrots and parsnips, or hornworms on peppers or tomatoes, pick them off and destroy them.

Want Giant Apples

Any apple grower who finds one branch of his tree bearing apples that are about twice the size of the others can do apple-breeding scientists a good turn by reporting the fact to his state agricultural experiment station, or to Dr. George Darrow, who is in charge of the U. S. Department of Agriculture's fruit-breeding work. Doctor Darrow is at the Plant Industry Station, Beltsville, Md.

Giant apples used to be regarded merely as orchard curiosities. Breeders now recognize them as "sports." Some are valuable as breeding material. Giant sports of Delicious, Golden Delicious, McIntosh, Spy, Jonathan, Rhode Island Greening, Baldwin, Rome, and Ontario have already been found. Doctor Darrow is particularly interested in giant apples of the Winesap, Stay-



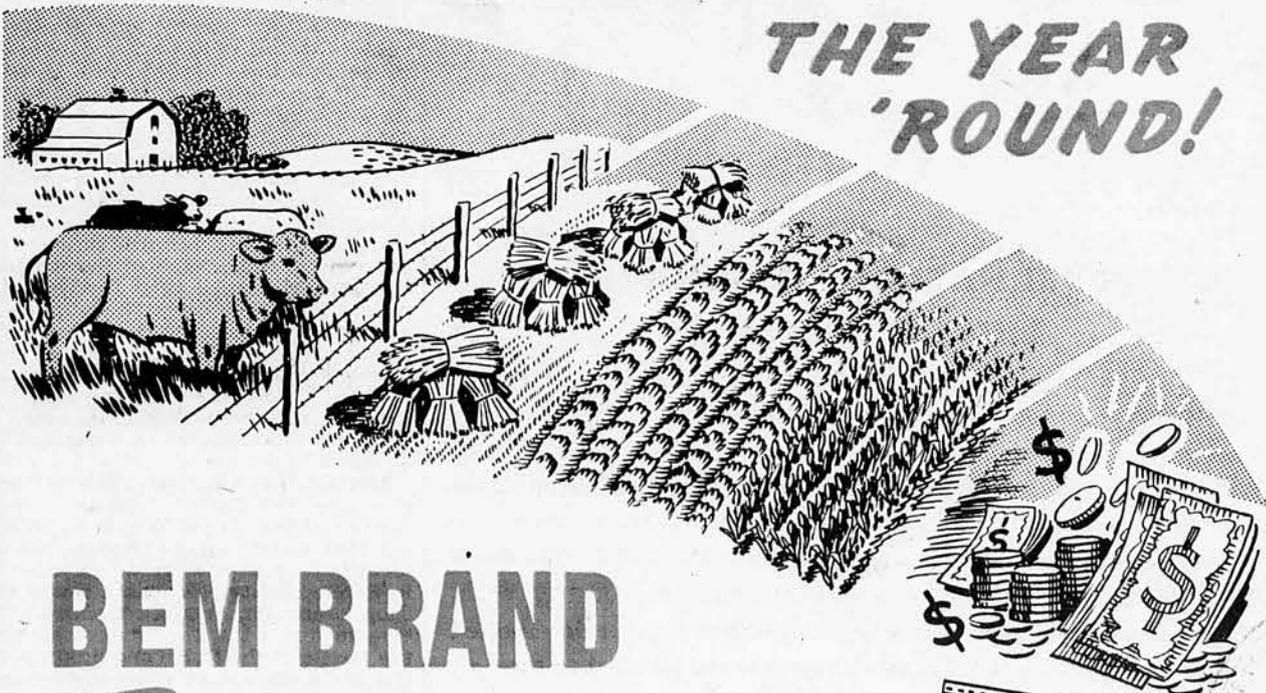
"Do you want it with mustard or without?"

man Winesap, and Yellow Newton or Albemarle Pippin varieties. If examination of a sample apple shows it to be promising, the scientist will want scion wood from the particular branch bearing the giant apples for propagating and for later distribution and use by apple breeders.

Useful Kitchen Tool

I keep a metal nutcracker in with my kitchen tools and find it quite handy for removing bottle caps. Better than pliers for it will not slip.—Mrs. C. M. D.

ON ALL YOUR CROPS THE YEAR 'ROUND!



BEM BRAND

Fertilizer

"BRINGS EXTRA MONEY"

To revitalize your soil—to improve its productivity and increase your profit—use BEM BRAND Fertilizer. Whether you want greener pastures and healthier livestock—or a bigger yield of better corn, soybeans, clover, peanuts, legumes, gardens or grasses—BEM BRAND Fertilizer Brings Extra Money on ALL crops the year 'round. There's a BEM BRAND to help YOUR land. Ask your dealer about it today.

AAA ASSISTANCE

Your P.M.A. program is designed to help you pay for carrying out all approved practices on your farm—but you must first register with your local committee to be eligible for this assistance. Funds are limited, so sign up with your committee today. THEN . . .

1. See your county agent and plan your fertilizer program to fit your soil's needs.
2. Check with your county P.M.A. committee and see how, in many cases, they can pay nearly half your bill for superphosphates when used in carrying out approved soil building practices.



"BRINGS EXTRA MONEY"

WRITE FOR YOUR FREE COPY OF "OUR LAND AND ITS CARE"

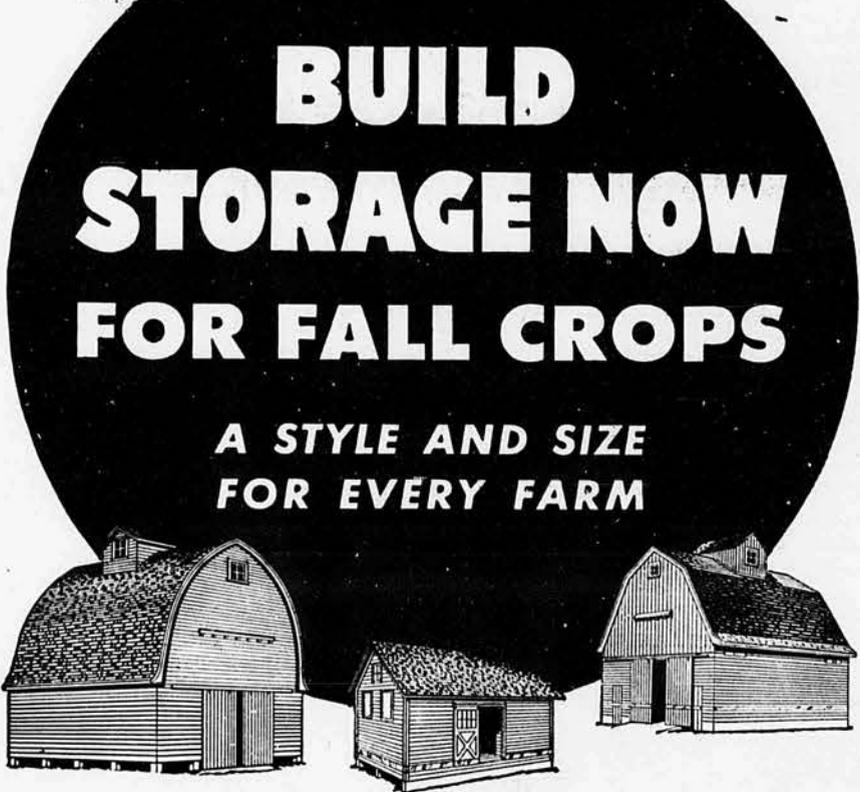
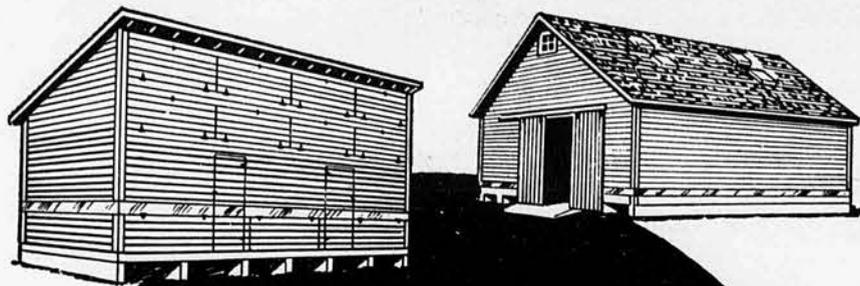
THURSTON CHEMICAL COMPANY

GENERAL OFFICES: JOPLIN, MO.

Factories: Joplin, Mo., and Tulsa, Okla.



"He's not so heavy now!"



**BUILD
STORAGE NOW
FOR FALL CROPS**

**A STYLE AND SIZE
FOR EVERY FARM**

BLUEPRINTS ARE READY

See your

**WEYERHAEUSER 4-SQUARE
LUMBER DEALER**

Grain storage is going to be a problem this year.

Whether you need a large permanent granary or small "knock-down" boxes on skids, you can find exactly the plans you want through the Weyerhaeuser 4-Square Farm Building Service. Illustrated above are five typical storage structures included in this Service. Each one meets fully all the requirements for safe storage on the farm.

Through this Service, you get the benefit of expert engineering applied to design and construction. Storage structures are planned to meet all load requirements . . . to be tight, sound, vermin-proof and weather-proof. Detailed blueprints and material lists, easy to follow, are immediately available through your Weyerhaeuser 4-Square Lumber Dealer.

Would you like to study these plans in detail, and select the one that fits your special needs best? See your lumber dealer. He'll be glad to assist you in every possible way. Or mail the coupon below for illustrated book picturing crop storage and many other farm buildings.

**WEYERHAEUSER SALES COMPANY
SAINT PAUL 1, MINNESOTA**



WEYERHAEUSER SALES COMPANY KF449

2230 First National Bank Building, St. Paul 1, Minn.

Please send me the Free Farm Building Book.

Name _____

Address _____

Town _____ State _____

**WEYERHAEUSER 4-SQUARE
LUMBER AND SERVICES**

The Cover Picture

Things Are Different Over Here

THERE probably isn't another farm wife in Kansas who is enjoying the freedom of farm living more than Mrs. Barton Neubauer, shown on the cover of Kansas Farmer this issue.

You see, there is a special reason the freedom she has found on her husband's Shawnee county farm means so much. Mrs. Neubauer is from Belgium, and she spent 4 years under German occupation before her home city of Brussels was liberated by the Americans.

Before her marriage, Mrs. Neubauer was Francine Baudoux, of Brussels. Her father is a stockbroker there. During the German occupation, her brother was taken to France as a slave laborer and was released only when he became too ill to work because of tuberculosis. Francine, herself, was slated to be taken from her family to serve as a slave maid for German officers. Her father paid a German official \$500 to destroy her birth and school records, after which the family claimed she was not yet 18 years old. All Belgian boys of 17 and girls of 18 were taken by the Germans for slave labor.

If you think the price of butter has been high the last 2 years, you should talk to Mrs. Neubauer. To her, the price of \$1 a pound would seem very reasonable. After her brother was released by the Germans, he needed milk, eggs and butter but they were not to be had, except on the black market. It was a serious offense to be caught with these black-market items, yet Francine's family felt the risk was necessary to save their son.

Butter Cost Pretty Penny

So, one day Francine took her market basket and went to the country to get some of these needed foods. "I paid \$50 for 2 pounds of butter," she says. At the edge of the city coming home she caught a streetcar, which was filled with other Belgian women who also had been hunting food. In the seat in front of Francine sat a German officer. About halfway home German soldiers stopped the streetcar to search the passengers for food. Most of the women were so frightened they threw their precious cargoes out the windows rather than get caught. Francine took a chance and handed her basket to the German officer in front of her, since he appeared kindly. He co-operated by hiding her basket until after the search. "There were some good Germans in Brussels," she says.

During the American occupation, Francine met Barton Neubauer at a dance and they fell in love, but getting married wasn't easy. Barton was a farm boy, born and reared on a farm in Saline county. He was a machine-shop foreman in Army Ordnance about 4 years during the war. He took part in the Battle of the Bulge and fighting in the Ruhr district of Germany before being put in charge of a crew at a large



Mrs. Barton Neubauer is a Belgian girl who married a Kansas farm boy. A former resident of Brussels, Belgium, she spent 4 years under German occupation.

Brussels machine shop near her home.

Had he fallen in love with an American girl there would have been no complications. But in Belgium it was different. "You have to know something about Belgium to understand our problem," states Francine. "Over there, we have 3 distinct social classes—upper, middle and lower. If you are born into any of these 3 classes you stay there for the rest of your life. Our lower classes are very poor and completely uneducated. Because he was a mechanic, Barton was considered by my folks as from the lower class in America, while we belonged to the upper class. They could not understand that in America farmers and skilled laborers were just like anyone else.

"This attitude of my parents was not snobbishness but just the tradition of our country. We don't cross class lines in marriage and they couldn't believe that America didn't have class lines just like ours. They were afraid Barton couldn't support me."

Took a Whole Year

During the 9 months of their courtship, says Barton, he spent about half his time courting Francine and the other half trying to sell her parents on the idea. Then, after he returned to America, it took another year to clear all the red tape before Francine could make the trip over. She came to America on a 90-day visa and took all but 14 days of her visa time getting adjusted before they were finally married. "Barton didn't want me to marry him until I had had time to see for myself what America is like," says Francine.

"When I wrote and told my folks that Barton and I were going to live on a farm," continues Francine, "they were worried all over again. In my

(Continued on Page 5)



Mr. and Mrs. Barton Neubauer, of Shawnee county, are building up a rundown farm under the G. I. "On-the-Farm Training Program." Here they relax in their living room while they tell the story of their farm plans.

country, you see, the farmers are very poor and live in poverty. They have the most modest little homes and the stable is attached to the kitchen. The cows can stand in the kitchen door and watch you eat your breakfast. My folks didn't want me to live like that and it has been hard to convince them what Kansas farm life really is like."

Mr. Neubauer is a skilled craftsman, and Francine studied domestic science and art at the University of Brussels, so they have had a lot of fun fixing up their farm home. They made all their drapes, slip covers, upholstered furniture, and Barton made some of the furniture. He made the coffee table shown on the cover. An interesting point about this table is that the top piece holding the glass is a former picture frame.

Enjoys Women's Clubs

No other part of farm life is enjoyed by Francine so much as the women's clubs. She belongs to the Overseas Brides' Club, at Topeka, and the Home Demonstration Unit, at Silver Lake. "We have no women's clubs in Belgium," she points out. "Women there are slaves to their homes. The husband is their lord and master. They do not leave the house for any purpose without his permission. In Belgium it is considered that a woman is a poor housekeeper if she is interested in anything outside the home. Over here, it is wonderful for the women to be free to come and go as they please."

Barton put in a word at this point. "She learns fast," he grinned. "It took her only 2 weeks to learn that she could be the boss over here." Francine grinned right back. "Actually, he loves to have me think I am the boss. As a matter of fact, it took me 2 years to understand that I could leave the house without his permission. It was the hardest thing I had to learn over here."

Francine has to learn many things. As a city girl of the upper class, she had, of course, never lived on a farm. She didn't know anything about farming or even how to make a garden. "Barton is having to teach me everything and he is the best teacher I ever had," she explains.

Mr. and Mrs. Neubauer moved onto their present farm in November, 1947. It is a quarter section. Barton bought the place under a G. I. loan and is taking G. I. "On-the-Farm Training," at Silver Lake, under Taylor Fitzgerald. His farming program will be livestock and grain. He has 17 head of Hereford cows now and his cash crops will be wheat and corn.

Twenty acres of legumes—alfalfa and sweet clover—will be used in a 3-year rotation. "I am limited now by the productive ability of the farm," says Barton. "When I get my soil built up, I want to start cattle-feeding."

Taylor Fitzgerald, Barton's instructor, says Barton has had a terrific struggle to get his farm in condition so he could adopt a good farming program. The first year, for instance, was spent in just cleaning up the house and surroundings.

In Family Many Years

There is one thing Francine brought from the old country that she cherishes very much. It is some lace work that has been handed down in her family for generations. In our cover picture, she is holding a piece that has been in her family for 125 years. She has other smaller pieces that are more than 200 years old. "Such lovely pieces are mostly made by the older women members of the family," Francine explains. "Many of them go blind because of the long hours they spend doing it."

The bitter war years are no longer a nightmare to Francine. She can laugh now over telling of things that were tragedies at the time. Kansas farm life is smoothing out the terrors of her past. She is happy and content. She will be a success as a farm wife.

Corn Likes Clover

Row crops do better after sweet clover. But when a dry year rolls around, then you really can tell the difference. John Dickson, Lyon county, noticed that particularly in fall of 1947 when it became quite dry in that area. Row crops following legume that year produced much more feed than other row crops not preceded by legume. It made more corn and fodder, too.

Mr. Dickson has used some sweet clover in rotation for nearly 10 years. He always follows clover with row crops. He can produce more corn and atlas sorgo that way.



Kansas Dealers

- ABILENE—Cruse Motor Co.
- ANTHONY—Williams Motor Co.
- ASHLAND—McNickle, Geo. W.
- ATCHISON—Touslee Tract. & Impl. Co.
- BELLEVIEW—Rooney Impl. Co.
- BELOIT—Fuller Equip. Co.
- CIMARRON—Layman Farm Supply
- CLYDE—Feight Farm Equip. Co.
- COLBY—Northwest Distr. Co.
- COLDWATER—Coldwater Motor Co.
- COUNCIL GROVE—Wood-Riley Impl. Co.
- DODGE CITY—Ark. Valley Impl. Co.
- EL DORADO—McClure Tractor & Impl. Co.
- ELLSWORTH—Johnson Farm Equip. Co.
- EMPORIA—Owens Tractor & Impl. Co.
- EUREKA—Bush Tractor & Impl. Co.
- FLORENCE—Roberts Machinery Co.
- GARDEN CITY—Burtis-Nunn Impl. Co., Inc.
- GRAINFIELD—Shaw Motor Co.
- GREENLEAF—Nelson Bros. Mach. Co.
- GREAT BEND—Shumacher Farm Equip. Co.
- GREENSBURG—Gupton Motor Co.
- HADDAM—Rooney Motor Co.
- HAYS—Dreiling Impl. Co.
- HIAWATHA—Rite Way Farm Equip. Co.
- HIGHLAND—McKay Tract. & Impl. Co.
- HILL CITY—Lewis Motor Co., Inc.
- HOISINGTON—Robbins Equip. Co.
- HOLTON—Bottenberg Impl. Co.
- HOWARD—Bryan Tractor & Impl. Co.
- HUGOTON—Hugoton Tract. & Impl. Co.
- HUTCHINSON—Chas. A. Rayl Impl. Co.
- JAMESTOWN—Elniff Motor Co.
- KANSAS CITY, KANS.—Modern Farm & Home Store
- KINGMAN—Staley Tractor Co.
- KIOWA—Lawson Tractor & Impl. Co.
- LACROSSE—Luft Implements
- LARNED—English Impl. Co.
- LAWRENCE—Morgan-Mack Tractor & Impl. Co.
- LEAVENWORTH—Boiling Tractor & Impl. Co.
- LEONARDVILLE—John Stafford Motor Co.
- LIBERAL—Southwest Tractor & Impl. Co.
- LINCOLN—J. G. Miller Motor Co.
- LUCAS—Lucas Equip. Co.
- LYONS—G. C. Schumacher Impl. Co.
- MANHATTAN—Saroff Tractor & Impl. Co., Inc.
- McPHERSON—Callendo Tract. & Impl. Co., Inc.
- MARION—Midwest Tract. Sales & Serv.
- MARYSVILLE—Anderson-Boss Impl. Co.
- MEADE—Layman Tractor & Supply Co.
- MEDICINE LODGE—Sprout Tractor & Impl. Co.
- NATOMA—Farm Tractor & Equip. Co.
- NESS CITY—Schroyer's, Inc.
- NEWTON—Nordstrom-Mack Motor Co., Inc.
- OAKLEY—Shaw Impl. Co.
- OBERLIN—Kump Motor Co.
- OLATHE—Perrin Machinery Co.
- ONAGA—Wentz Tractor & Impl. Co.
- OSAGE CITY—Osage Motors, Inc.
- OSBORNE—McCammern Tract. & Impl. Co.
- OTTAWA—Price Impl. Co.
- PAOLA—Tom Crawford Tractor & Impl. Co.
- PHILLIPSBURG—Broun Tractor & Impl. Co., Inc.
- PLAINVILLE—Plainville Impl. Co.
- PRATT—Rollmann Tractor & Equip. Co., Inc.
- RUSSELL—Russell Tractor & Impl.
- SALINA—Kansas Tractor Sales Co.
- SEDAN—Wall Tractor & Impl. Co.
- SENECA—Anderson-Holmes Impl. Co.
- SMITH CENTER—Jones Tractor Sales & Service
- TESCOTT—Miller Motor Co.
- TONGANOXIE—Laming Tractor & Impl. Co.
- TOPEKA—Barnett Tractor & Impl. Co.
- ULYSSES—Tri-R Sales Co.
- VALLEY FALLS—The Modern Tractor & Impl. Co.
- WAKEFIELD—Brougher Tract. & Impl. Co.
- WAMEGO—Wamego Tract. & Impl. Co.
- WASHINGTON—Pacey Tractor & Impl. Co.
- WAKEENEY—Midwest Marketing Co.
- WELLINGTON—Sumner County Tract. & Impl. Co.
- WICHITA—Wright Tractor & Impl. Co.
- WINFIELD—Stuber Tractor & Impl. Co.

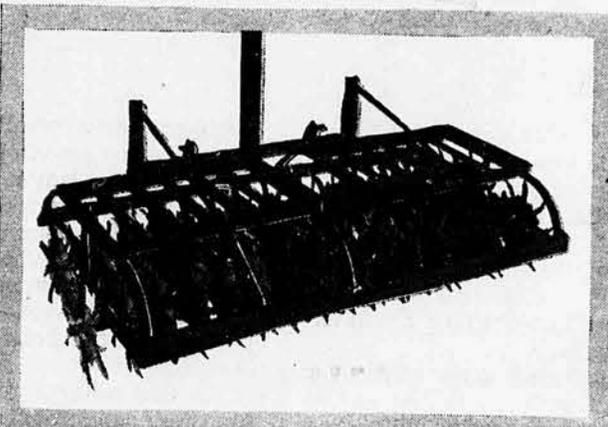
K C TRACTOR & IMPLEMENT CO., Inc.

1340 Burlington, N. Kansas City, Mo.
Distributor for Kansas



DEARBORN CULTIVATING IMPLEMENTS for the Ford Tractor

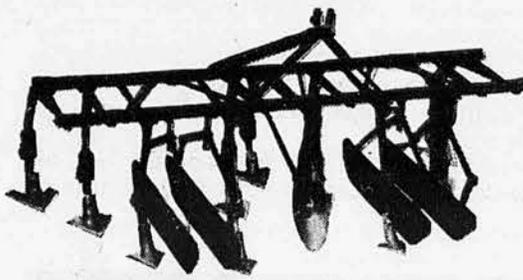
Can be attached to the Ford Tractor—in one minute and detached as quickly—saves time in busy cultivating season, speeds changing to other jobs. Ford Tractor Hydraulic Touch Control means easy lifting, lowering and depth selection.



DEARBORN ROTARY HOE
Revolving steel fingers really get the weeds. 7 ft., 4 in. width, cultivates about 30 acres a day of row crops, also small grains. Gangs reverse for seedbed preparation in stubble mulch farming. Ford Tractor Hydraulic Touch Control permits skimming the surface or deep work as desired.

DEARBORN RIGID SHANK CULTIVATOR

Attached to Ford Tractor in one-minute, detached as quickly to free tractor for mowing and other jobs. Lifts, lowers by Ford Tractor Hydraulic Touch Control. Accurately follows easy steering by front axle steering guide. Shanks easily spaced for row widths. High Dearborn quality.



DEARBORN SPRING SHANK CULTIVATOR

Similar to Rigid Shank but with spring shanks for stony or root filled land. Same one-minute attaching and uniform depth cultivating by Ford Tractor Hydraulic Touch Control.

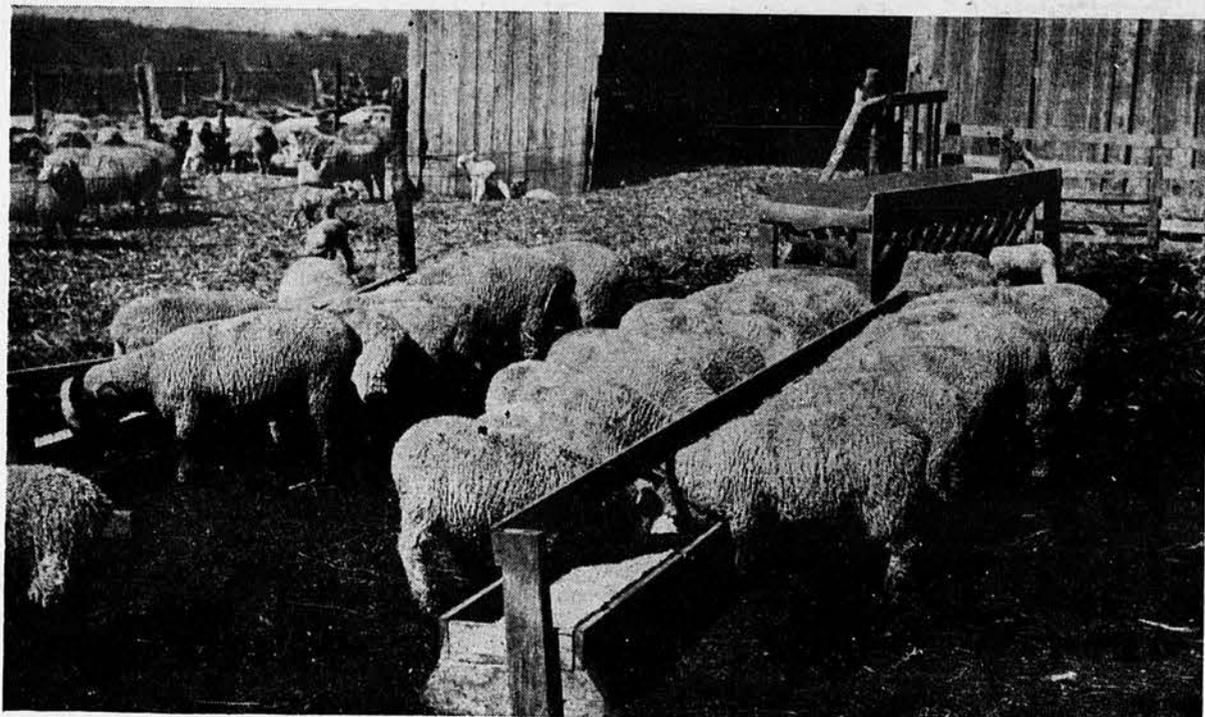


See your nearby Ford Tractor dealer for this equipment, genuine parts and expert service. He wants to know you better to serve you better.

DEARBORN MOTORS CORPORATION
Detroit 3, Michigan

COPYRIGHT 1948, DEARBORN MOTORS CORPORATION

Ford Farming MEANS LESS WORK... MORE INCOME PER ACRE



At Left: This is the second lamb crop produced by Clyde Ware, Franklin county. He is doing all right. Before lambing, ewes are kept in a pen at right not shown in this picture. After lambing they are moved from the barn to the pen at left. Lambs sneak into the feeders thru a creep seen behind the hayrack.

Below: The wool clip is an important part of the sheep program. It usually pays the ewe's board bill. Here Jim Hett, Marion county 4-H member, clips the fleece from a buck on the Wesley Summerville farm.



You'll Make Money on Sheep

By Ed Rupp

IT IS ewe-buying time. Can you afford to pay the price? It will be somewhere above \$20 a head this year. How much above depends on how quickly you get into the market and how you buy.

We have heard quotations of \$21 and \$22 a head, exclusive of shipping charges which can add another 75 cents. Then we have heard expectations of a \$25 price.

Let's take a look at the sheep situation over the nation and over the state. In the nation there were 42,346,000 stock sheep in 1942. From that high point, stock-sheep numbers declined to 27,818,000 as of January 1, 1949. In Kansas there were 687,000 stock sheep as of January 1, 1943. A year ago there were 342,000 and another decline to 318,000 was recorded January 1 of this year.

There is good reason for that decline, as Rufus Cox, of the Kansas State College animal

husbandry department, points out. "When yearling ewes compete in price on the open market with slaughter lambs, as they have many times during the last year, they are too low," he says.

"Because yearling ewes have been in competition on the slaughter market, packers have made deep inroads on the supply," he points out. "That is the reason ewes are in short supply. The spread between lamb and ewe prices is still narrow."

Mr. Cox believes good, young breeding ewes are too cheap until they get well out of slaughter-price range. At present prices ewe numbers stand to get even smaller. In the meantime, demand for ewes is building up. Farmers may soon find themselves competing with range men for the available supply.

That situation seems to be quite near. Figures show range men have depleted their stock sheep at high prices. Farmer demand is becoming intense. Range men are in a position where they must begin building up their own flocks again. That is why you had better get in quickly if you want yearling ewes.

Now, can you afford to pay the price even if

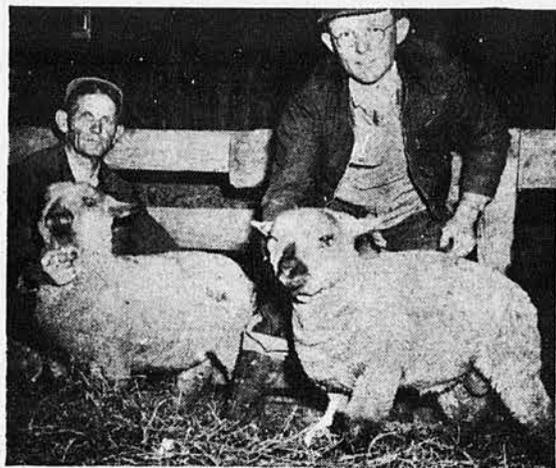
it goes to \$25? Apparently you can and make good money. Predicting the future is hazardous. But you know the supply conditions. Look at past performance to see what sheepmen are doing.

Some sheepmen say they have been clearing \$2 for every \$1 invested in ewes. Putting it another way, flockowners in Kansas have been clearing as much as \$20 to \$25 a year on every ewe.

Judging from past performance of flockowners in Marion county, Carl Elling, Jr., county agent, says if you buy ewes now, breed them in May or early June for November or December lambs, here is about what you can expect:

1. You can sell 100-pound spring lambs next year at around \$30 a hundred.
2. The wool clip off the ewes will pay their feed bill.
3. If you feed the ewe well and sell her on the market next March or April at around 140 pounds, she will bring about 13 cents a pound, which will nearly return original cost.

Of course, most sheepmen keep the ewe 4 or 5 seasons and spread [Continued on Page 40]



Above: Chester Wagner, left, and son, Raymond, hold 2 young lambs from their flock. Picked at random, these lambs would tip the scales at 80 pounds or more, and will be ready for market at 100 pounds before May.

At Right: These young lambs on the Chester Wagner farm, Franklin county, really go for a helping of grain. They will hit an early market and bring a high return.



Farm Matters

AS I SEE THEM

I WOULD suggest that farmers not take snap judgment for or against the "new" national farm program recommended to Congress by Secretary of Agriculture Charles F. Brannan.

That program, if I read Secretary Brannan's statement to the Committees on Agriculture of both branches of Congress correctly, would seem to indicate that the Federal Treasury will be employed—

(1) To guarantee farmers (producers) on the whole an income equivalent in purchasing power to the income farmers on the whole averaged during a 10-year period almost immediately preceding any given year. That is, during the first 10 years of the preceding 12 years.

(2) To assure consumers that they will be able to purchase foods at low prices they feel they can afford to pay.

In other words, Secretary Brannan proposes to restore the federal food subsidy program we had during the war as a permanent program—high prices to be received by farmers; low prices to be paid by consumers.

I thought it very interesting to note that support prices to hold up prices in the market to the levels to be determined by the Government would be used only on some non-perishable basic commodities.

For other farm commodities and products, the proposal is that these go to whatever level supply and demand bring about in a "free" market, without Government interference as to market price.

Then, if the market price on a commodity or product resulted in the farmer getting less than the price determined to be fair by the Government, farmers would get benefit payments direct for the difference, under certain conditions.

Now such commodities as wheat, corn, cotton are not purchased by the ultimate consumers, to any great extent. They are processed (by animals or by manufacture) into products that are sold to consumers.

What interested me is that under the proposal, those commodities sold for processing will get support prices in the market. The product processed from these commodities will be sold in the "free" market. So the consumer, as a consumer, will not have to pay retail prices based on the artificial market prices supported by the Government on non-perishable basic commodities.

The market support-price programs will be continued much as at present—commodity loans and purchase agreements. The "income" support for individual farmers on other commodities will be in the form of direct payments to farmers; sometimes, Secretary Brannan said, Government will buy these commodities to prevent market gluts.

Naturally, if farmers are to get guaranteed incomes based on high prices, and consumers are to get their groceries at low prices, some provision will have to be included in the program to pay the difference. That raises the question: "What price the program?"

Well, the subsidies will have to be paid ultimately with taxes, collected from producers, processors, handlers and consumers.

The price the farmer will pay will be pretty complete control of his farm and his farming operations—Government thru tax collections manifestly cannot afford to pay farmers for unlimited production by every farmer.

In the language of Secretary Brannan, here is what would be required of individual farmers:

"(a) The observance of minimum and sound soil conservation practices.

"(b) Compliance with or adoption of whatever programs are found necessary to curtail wasteful production or disorderly marketing (such measures as acreage allotments, marketing quotas and marketing agreements which may be adopted from time to time thru referendum or by the authority of the Secretary under terms of specific legislation such as now is on the statute books.

"(c) The limitation of eligibility for price supports (for an individual) to a defined volume of production on each farm—a volume high enough to benefit most farms but one which will not encourage development of extremely large, industrialized farms."

I say farmers will do well to look this particular gift horse in the mouth before taking it.

More Productive Than Ever

I FEEL that agriculture has done a far better job than most folks realize. While looking ahead to another good season, we find this in the records: "That our agriculture is more highly productive now than ever before is hardly open to question. Total farm output last year set another new record—the sixth new record in the last 9 years."

That statement comes from the Secretary of Agriculture in Washington. This record was made despite somewhat smaller livestock production; the drop in livestock production being the result of the short corn crop of 1947, and a reduction in livestock numbers because sales have been outrunning the rate of replacement. Briefly, crop production last year was 15 per cent greater than in 1947 and 37 per cent greater than in the period of 1923 to 1932.

To me this means that farmers have found the key to permanent farming success, and to continued better farm living, or our agriculture could not be more highly productive than ever before. Will a new record be established this season? No one knows yet. It may not even be desirable. But if the weather co-operates, it is entirely possible. Because farmers are ready with the right kind of crop rotations, use of legumes, wider use of fertilizers, better farming methods with power farming equipment, soil saving, moisture saving and the many other things that make up that key to successful farming.

It seems plainly evident to me that farm folks have been using this key to success for many years, intensified in recent years by all the emphasis on soil conservation. This is proved by the fact that farmers have come thru 9 years with 6 new high records. If they can do that, they can go on for 19 years or 90 years, maintaining even more efficient production. I am not minimizing the fact that we have a long way to go yet in protecting our soil. We have a great deal to learn yet about crop rotations, better seeds and all of those things. But let me state again that I am convinced farmers all along

have been doing a far better job of taking care of their soil than the average person believed.

I agree that soil conservation is one of our best investments. Its value is brought out in a little different way in a report I have just been reading. It is a

Department of Agriculture report showing in dollars and cents that the present soil-conservation program not only has helped farmers financially, but it actually has helped Uncle Sam take a nick out of that 252-billion-dollar debt.

This report states that farmers in soil-conservation districts who carried out definite soil-saving programs were able to increase their incomes in 1948 by about 245 million dollars. Now, it is figured this increased income would yield Uncle Sam about 70 million dollars extra on the basis of present income-tax laws. That 70 million dollars would be made up something like this:

By 1948 some 344,827 farms averaging 290 acres had worked out soil-conservation plans. These conservation-treated farms, it is estimated, earned enough extra income on the average that they paid about \$103 more income tax each than other farms that didn't follow soil-conservation plans.

A little arithmetic shows that \$103 per farm from the 344,827 farms, could yield \$35,517,181 in additional tax revenue due to the use of soil-conservation measures. Now, that much tax was paid direct by farmers. But that is only part of the picture. The increased income farmers received provides other sources of revenue to Uncle Sam because some of it was spent for things they wanted and needed. This increased the retail trade in the country; and, of course, an additional volume of products was handled by wholesalers, processors and distributors, as the report states. And all of these businesses pay income taxes.

The report shows that "deducting \$35,517,181 taxes paid direct by farmers from the 245 million dollars of extra income farmers earned in 1948, would leave \$209,482,819 of free income. If we assume half of this amount, or \$104,741,409 went into retail channels to buy things farmers needed, it would yield \$15,187,504 in the 14½ per cent income-tax bracket." Well, this could be carried on until the 70 million dollars extra for Uncle Sam had been reached, and perhaps farther. Because when farmers buy millions of dollars' worth of machinery and buildings and fertilizers and home improvements, it keeps a lot of folks working. And these people all pay income taxes.

It all goes to show the tremendous importance of agriculture in the welfare of our country. We must keep in mind the fact that agriculture must get an even break with other industry, so it can keep itself in better and better condition in the future. Because the strength of our country will be measured by the condition of agriculture.

Arthur Capper

Topcka.

The Goal--High Income, Low Food Prices

By CLIF STRATTON
Kansas Farmer's National Affairs Editor

WASHINGTON is speculating seriously this week upon the probability of Congress adjourning—on time—next July, and then returning in the fall for a special session.

Secretary of Agriculture Charles Brannan's presentation of the Administration's new farm income support program has added to the odds on a special session. It is considered not more than barely possible that Congress can digest the sweeping changes

in the national farm program proposed during a session ending not later than July 31, on top of the even more sweeping world recovery and world-wide military defense program coming up. To say nothing of the Truman "Welfare State" program; labor legislation and promised "civil rights" consideration

the Administration considers pledged to get action by this Congress.

Members of Congress would like to stave off the "Welfare State" proposals, including controls demanded as mandated, until (1) they can have a better idea of what is going to happen to prices and business generally; and (2)

get the "grass roots" reaction to the Administration proposals. Incidentally, there is a yearning among the members of Congress to get from the home folks whether they really meant last November 2 that the new Eighty-first Congress was to undo the work of the Eightieth Congress. It may be remembered that President Truman based his successful campaign on the charge that the Eightieth Congress was the "worst" (Continued on Page 44)



"I WANT STRONG SEED FOR A QUICK START AND A STRONG GOOD CROP"

The Great Corn with Strong Vitality

Write PEPPARD SEED CO. Kansas City, Missouri For Name Of Your Peppard Dealer Who Has Seed IN STOCK

PEPPARD'S HYBRID

Fair Ready for Fliers

AN AIRSTRIP 2,200 feet long is being constructed on the grounds of the Kansas State Fair, Hutchinson, William Wegener, vice-president of the fair board, told Kansas Farmer. The project accedes to the demands of exhibitors, industries and Flying Farmers, and will afford easy access to the exhibition areas.

The strip will be located directly east of the race track and will run north and south. Mr. Wegener said construction would necessitate removal of 2 power lines, grading and seeding. No servicing or tie-down facilities will be installed, since gasoline and hangars are available at Hutchinson Municipal Airport on the other side of town.

Approval for the strip has been obtained from the Civil Aeronautics Authority and the Hutchinson Chamber of Commerce. Construction will be started immediately, which should have the strip ready for use within 2 months, according to Wegener.

"In keeping with the Fair's tradition of being up with the times," Wegener added, "September 20 will be designated as Flying Farmer day with a special program for the rural pilots." Mr. Wegener is an active flier, a member of the Kansas Flying Farmers, and owns a farm in Norton county. He also is a member of the State Board of Agriculture.

Cull for More Profit

Poor-producing hens in laying flocks in Kansas are causing great loss of income according to M. E. Jackson, Extension poultry specialist, Kansas State College. Poultry producers should follow a continuous system of culling, observing the birds every time they enter the poultry house. Any out-of-condition birds should be removed.

Hens with shrunken combs, yellow beaks, yellow legs, new feathers or birds that are losing weight should be removed from the laying house. High production can be held by removing those poor producers. A non-producing hen on a farm is a poor investment.

"Constant culling in the laying flock," Mr. Jackson concludes, "can be easy, especially if you remove undesirable birds as soon as noticed. A catching hook hanging in the laying pen makes the catching easier and does not disturb the other hens. A constant culling program to remove the loafers means higher average production and more profits. A few minutes spent in culling means dollars in the bank."

1949 National Angus Show

The National Aberdeen-Angus Show for 1949 will be held in connection with the State Fair of Texas at Dallas, October 8 to 15, announces Frank Richards, secretary of the American Aberdeen-Angus Breeders' Association, Chicago. Premiums totaling \$11,500 will be offered Angus breeders competing in the national show.

Arrangements already have been completed to allow Angus entries at the national show to be released in time to be exhibited at the American Royal in Kansas City. Angus cattle entered in the American Royal will be released from the Dallas show Thursday, October 13, and a livestock "special" train will be in Kansas City at midnight Friday ready for the opening of that show on October 15.

One of the top sales of the nation is planned to be held October 12, in connection with the national show. Entries will be selected from herds exhibiting at the event. The sale will be managed by the Texas Aberdeen-Angus Breeders' Association. Premiums for the National come from the fair association, the American Aberdeen-Angus Breeders' Association and the Texas breeders' association.

Test Crops and Livestock

Recent action by the state legislature setting up a sixth permanent branch experiment station of Kansas State College puts the institution in the million-dollar-a-year-for-research category, according to President Milton S. Eisenhower.

The new permanent experiment station is to be in Labette county, near Mound Valley, where experiments with crops and dairy and beef cattle will be carried on. Crop-response experiments by the K-State agronomy department

have shown Southeast Kansas deficient in phosphorus.

Heavy rainfall and the leaching it causes are responsible for mineral deficiencies.

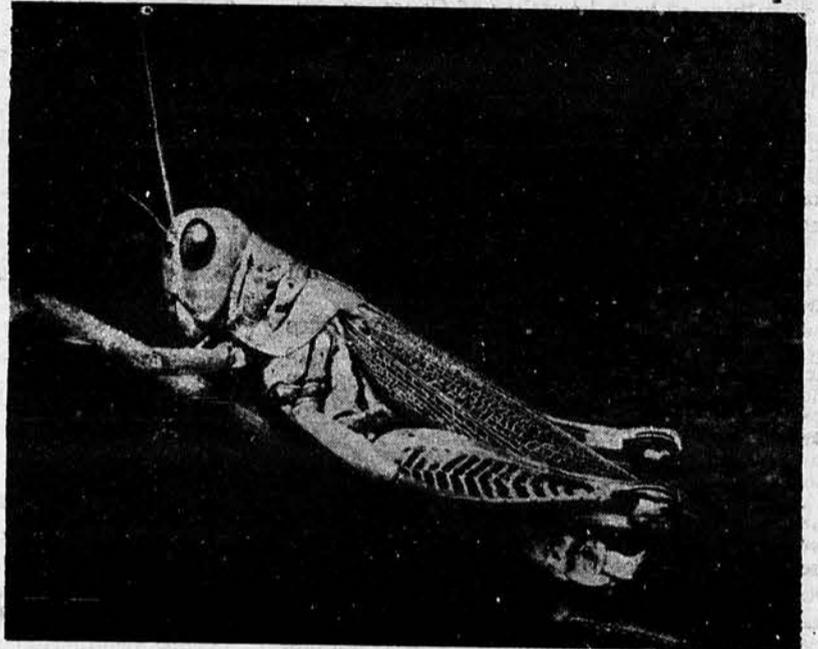
Cattle and crops from that area will be used in the experiments. Results of the studies should help answer questions of dairymen and farmers in Southeast Kansas.

An enabling act for \$120,000 in the

next biennium starts the Southeast Kansas research program. From \$20,000 to \$30,000 annual appropriations is probably all that will be needed once the station is in operation.

Of the million dollars spent annually in research by the college, about one half is provided by the federal and state governments; the other half comes from sale of products and services at the various stations. Five other permanent stations are located at Fort Hays, Garden City, Colby, Tribune and Manhattan.

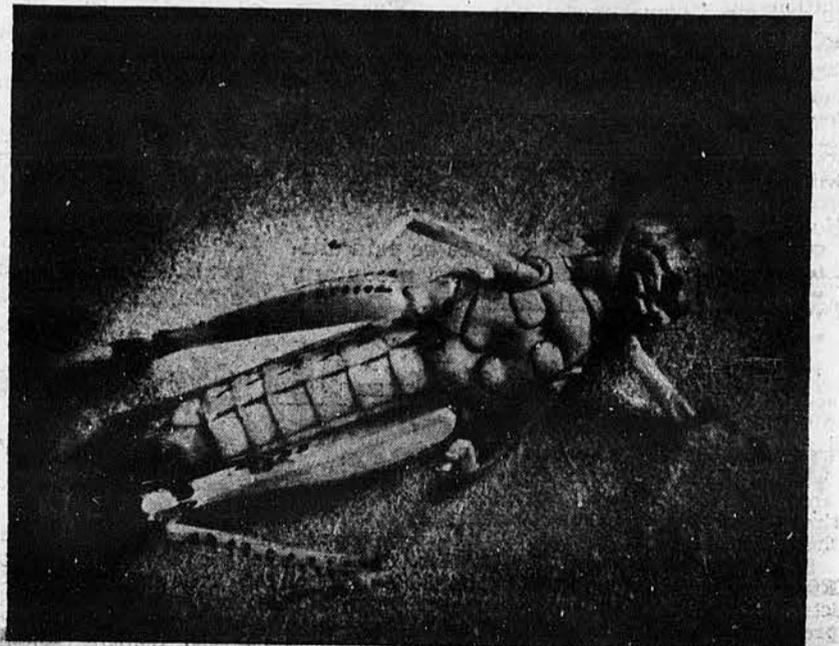
Help in 'Hopper War



Kansas farmers will see a lot of this fellow right soon. This husky "hopper" is digesting a heavy meal at somebody's expense.



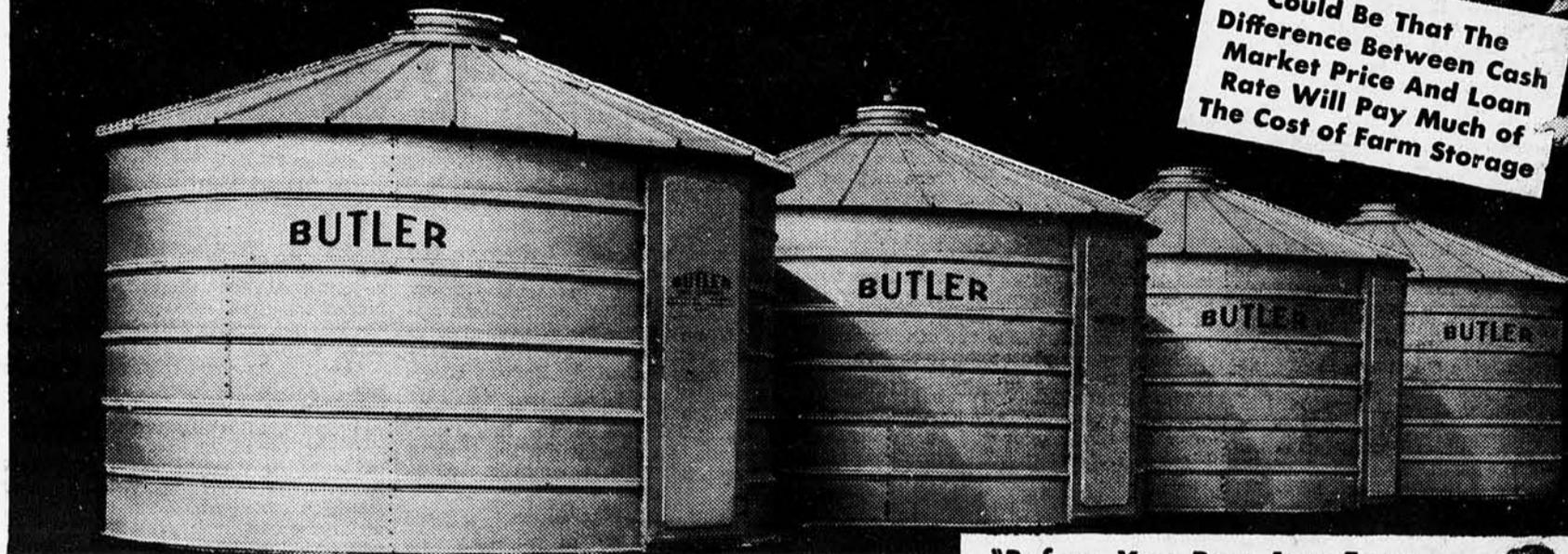
After being dusted with Toxaphene, a new chemical being used in the grasshopper war, our friend is holding her head in sudden surprise.



Over she goes into a coma from which there is no return trip, thanks to Toxaphene. It won't be long now. (Pictures by Vishniac from Hercules Powder Co.)

DON'T SELL YOUR GRAIN FOR LESS THAN LOAN VALUE!

Could Be That The Difference Between Cash Market Price And Loan Rate Will Pay Much of The Cost of Farm Storage



New Crops Within The Next 90 Days Will Put Another Terrific Load On Price Supports. It's Getting Late. Farm Storage Facilities Must Be Relied Upon Heavily To Relieve The Price Depressing Pressure.

Alert Farmers are cooperating with the Government by preparing to get the benefit of Government loans with loan eligible...

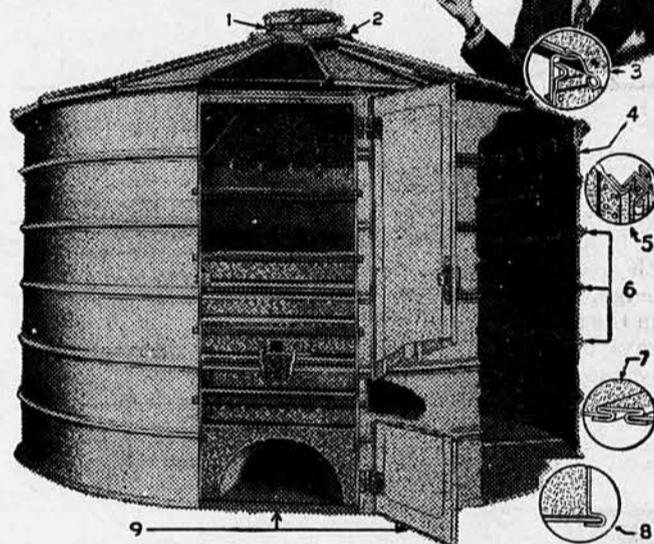
GRAIN BINS Galvanized Steel

Recognizing that "on-the-farm" storage would be the most desirable solution to the grain storage problem, the U. S. Dept. of Agriculture and U. S. Dept. of Commerce made arrangements with the steel industry for allocation of galvanized steel for manufacture of grain bins.

To help as many farmers as possible shell and seal corn before the June 30th sealing deadline—and to help farmers prepare storage before wheat harvest—Butler factories are geared-up to speedily produce famous Butler Bins and deliver them at the lowest possible price.

But remember—steel allocations are limited and the steel mills are pushed to deliver full allocations before new crops become ready for harvest. Some, who need storage, may be disappointed.

"Before You Buy Any Farm Storage CHECK These 9 Points of Butler Construction."



For more than 40 years, Butler Long Life Bins have been improved. See your dealer or write for complete description and consider especially the 9 features pointed out in the above illustration.

3 POPULAR SIZES... Get Yours Before BUTLER Production Is Sold Out

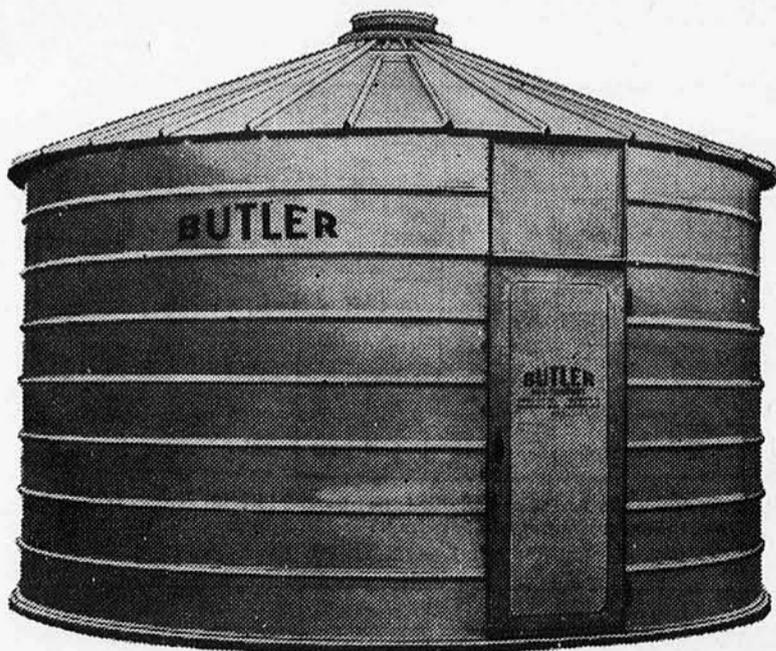
Great as is their capacity, Butler factories can produce bins only as fast as steel is received from the mills and no more of them than steel allocations permit. So, don't delay permanently improving your farm with Butler Bins and at the same time get into a position to benefit from present Government supports and any additional advantages new legislation is apt to afford to those who invest in on-the-farm storage.

Check up on the superior construction features which have made Butler the most preferred steel grain bins. Do this and compare price against any other construc-

tion and you will want nothing short of the permanent, fire-safe, rat-proof, weather-tight and quick, easy-to-erect grain storage superiority which only Butler galvanized steel bins afford.

Butler Steel Bins, more than 40 years old, are still being used. For more than 40 years Butler engineers have continuously improved the design and construction just as grain growers have developed better strains of grain. Available now in the 1000 bushel, 2200 bushel and 3276 bushel sizes at prices which add relatively little to your farm investment, but add tremendously to its worth.

Send Coupon For Full Information—or Better Still SEE YOUR BUTLER DEALER TODAY!



BUTLER 2200 BUSHEL LONG LIFE BIN

BUTLER MANUFACTURING COMPANY

Kansas City, Mo. Galesburg, Ill. Richmond, Calif. Minneapolis, Minn.

Send Name of Nearest Dealer and Full Information on:

- 1000 Bu.
- 2200 Bu.
- 3276 Bu.

Butler Grain Bins.

7409 East 13th St., Kansas City 3, Mo.
909 Sixth Ave., S.E., Minneapolis, Minn.
Dept. 111, P.O. Box 1072, Richmond, Calif.

NAME _____
P.O. _____ R.F.D. _____
STATE _____

Thoughts TO LIVE BY

Faith

IF ONE has a sense of humor, he has a good defensive weapon, and if he has a dynamic faith, he has a good offensive weapon in the battle of life. Let's think about faith for a little while.

No, faith is not just a pious subject for a sermon. It is a vital necessity in every man's life. Without faith, the farmer wouldn't plant his seed, the engineer wouldn't build a bridge, and the miner wouldn't sink his shaft. No one would drill for oil without faith. Without faith, experimentation would stop, our money would lose its value, and our homes would fall apart. Without faith, the pupil would not believe the teacher, the patient would not take the drugs prescribed by his physician, and people would turn from the discipline and sacrifice that develop character.

Because faith is so valuable, it is sometimes counterfeited. Then men are urged to believe something contrary to the evidence. Their willingness to do so is portrayed by the sinister salesman as a great virtue, whereas it is just credulity. On the other hand, Kirsopp Lake gave us a definition that echoes reality. He said, "Faith is not believing something despite the evidence; it is daring something despite the consequence." Faith develops heroes.

Faith normally increases with knowledge. The faith of Albert Einstein in the ability of man to control his environment, for instance, greatly exceeds that of a primitive bushman. The bushman knows about

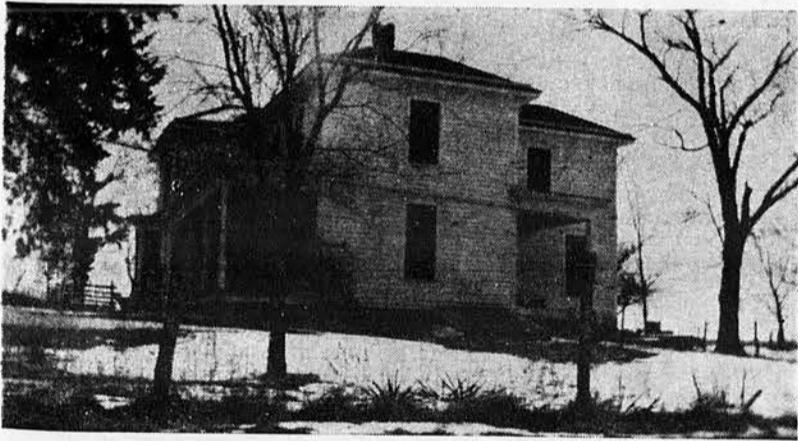
domesticating animals; Einstein knows about harnessing atomic power. Faith is not contrary to reason. It is the extension of knowledge. A trained chemist gets a hunch. He mixes certain elements together. They may explode in his face. But his knowledge of chemistry gives him confidence that they will produce a much better result. His new discovery will be the product of a faith that is founded upon knowledge.

Faith benefits others as well as the believer. We are all sustained because others believe in us more than we deserve. If we dare trust the people we do not like, we can overcome our own fear of them and help in the transformation of their characters. Our confidence in them will help them to be their best.

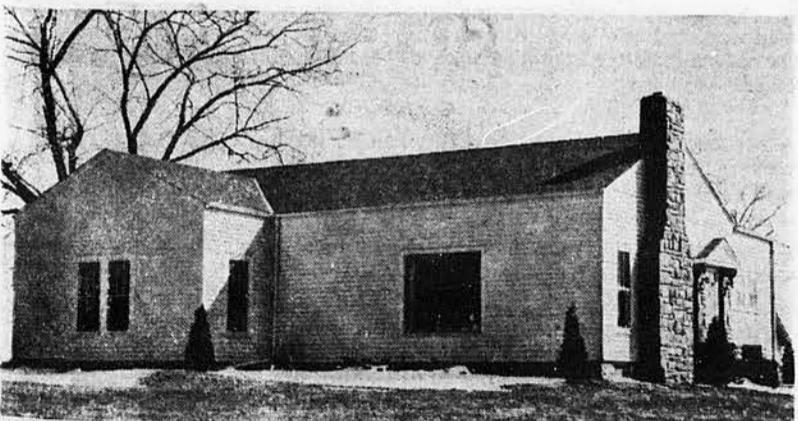
Fortunate is the man with faith in God. He has resources which others lack. When in England the liberal cause was temporarily defeated, Gladstone, the Prime Minister, arose and said, "I appeal to time." A man with faith in God can say that. He has the assurance that the good will eventually prevail. At this Easter season, we think of One who had such faith that He chose to die on a cross rather than to be unfaithful. He believed in the goodness and power of God. He also believed in the latent possibilities for good in our corrupted natures. Today, He lives in the hearts of multitudes of men who know the joy of His presence. His faith was justified.

—Larry Schwarz

Would You Believe It?



THE new home in the lower photograph belongs to L. L. Murphy, Franklin county. Actually, it is the remodeled result of the large, old-style home in the upper photo. Both pictures were taken from about the same direction. Second floor of the old home was cut off and a new home fashioned out of the lower floor. Picture window and fireplace were musts for the new Murphy home. Every room except one on the first floor was rearranged to suit modern needs. The new home is a 3-bedroom house, completely modern. Total remodeling cost was between \$5,000 and \$6,000. That included new heating system, all new bathroom equipment and fireplace.



NOBLE Model 'M' Cultivator



FOR
SUB-SURFACE TILLAGE
PASTURE RENOVATION
AFTER-HARVEST CULTIVATION
CONTROL OF CANADA THISTLE, COUCH, Etc.

Five sizes available—a size for every tractor.
MODEL M illustrated, cuts 6½ to 8½ ft.,
for use with 2-3 plow or 3 plow tractor.

the *
Cultivator
that
won't PLUG

STOPS EROSION by sub-surface tillage to leave all trash on top. Cuts off every thing without skips. Useful for pasture renovation, and perennial weed control.

EXTREME STRENGTH to withstand rocks. The strongest cultivator of this size made. Does a first-class job of breaking virgin prairie. Works at extremely uniform depth, either shallow or deep, like a plow.

NOBLE CULTIVATORS
BLADE
NOBLEFORD, ALBERTA, CANADA

* For descriptive literature and advice to the most suitable equipment, see your local dealer, or write us giving your tractor power, soil type and prevailing weeds.



now is the time to
**AVOID HARVEST
BREAKDOWNS**

Replace worn chains and sprockets
with **UNIVERSAL V-BELT DRIVES**

Harvest breakdowns are expensive! NOW IS THE TIME to insure trouble free, efficient operation during harvest by replacing worn chains and sprockets with Universal V-Belt Drives. Complete replacement kits or individual drives are now available at your nearest dealer.

Universal V-Belt Drives are easily installed, wear longer, prevent vibration and are safer. Check your combine NOW and prepare for a trouble free season. See your local Universal Dealer or write direct for information.

UNIVERSAL PULLEYS INC.
330 NORTH MOSLEY • WICHITA, KANSAS

We Are Seeing America

Why Don't More Farm Folks Take Vacation Trips?

By FRANCES R. WILLIAMS, Marshall County

Are you hungry? This time Mrs. Williams writes about New England cookery. She says, "I submit this article, not as a professional in foods, but as a housewife, with 30 some years of experience in cooking for a family."

EACH section of the country is noted for some particular food: Maryland Fried Chicken, Virginia Baked Ham, Boston Baked Beans, Maine Clam Chowder, New Orleans Chicken Gumbo. New England cookery has its place in the category of sectional foods. Many of our Midwest dishes have their origin in New England.

Kenneth Roberts, well-known novelist, found Maine cookery interesting and has written a book on the subject. His book is the result of testing and tasting old and unusual recipes from the coastal and interior regions of the state. His vivid descriptions of these dishes makes one's mouth water.

Fish and seafood form the basis of many New England dishes. While modern refrigeration and swift transportation bring these perishable foods to the markets of the Midwest in good condition, the fresh product which is available in the coastal markets is superior in flavor.

Swordfish is perhaps the highest priced of the fish. This fish is caught in the cold waters off the coast of Cape Breton Island, Nova Scotia. A single specimen weighs several hundred pounds. The steaks are similar in size to the "round" cut of a good-size beef, the meat is pinkish in color. Whether served broiled or "chicken fried," (dipped in meal or flour and fried in fat) the flavor is delicate and delicious.

Halibut, fresh cod and salmon steaks are priced a cent or two under the price of swordfish. Haddock is cheaper and not as fine grained as halibut, but when dipped in a batter and fried in deep fat,

haddock can make a very delicious meal. "Fillet of sole," which appears on the menu is in fact "flounder," a flat fish, which is excellent and tastes much like our channel cat.

There are quantities of mackerel in the markets. New Englanders often prefer this variety of fish, because the fresh mackerel are not only very good, but much cheaper a pound than any of the others mentioned. The mackerel are small, dark in color and not as attractive to the eye as the other fish.

Shrimp, scallops and clams are plentiful. Clams are the most popular shell fish because of the many different ways they may be served. Since Colonial times, salt codfish has been the standby for the New England housewife to use for codfish cakes, creamed codfish and fish chowder. Finnan haddie, smoked haddock is a favorite dish with some of the old-timers.

Because of a shorter growing season, early varieties of vegetables are planted. August is the month when the garden is at its best. Sweet corn, green beans, summer squash, turnips, cucumbers, beets and carrots are plentiful. Tomato plants must be started inside to mature before frost. One gardener has a small greenhouse where he starts the tomato plants for his garden. As soon as all danger of frost is over (June 1), he plants the greater part of the tomatoes in the open ground, but keeps a few in the greenhouse. These are tied up to tall stakes, and come into bearing after frost has killed those in the open.

Yellow turnips are grown in preference to the white variety. One housewife confessed that when she was a bride, she cooked turnips for hours. In desperation she called her mother by phone to ask, "What do you do to turnips to make them turn yellow?" She had bought the white variety which was unfamiliar.

There may be no large commercial apple orchards in New England, but there are apple trees in every yard. Blackberry vines grow wild in meadows and in old cemeteries, where they are a great nuisance. The fruit is small and seedy. The wild raspberries are of the red variety and have a wonderful flavor, altho a bit tedious to pick. The blueberry is the typical New England fruit. One housewife exclaimed, "You don't raise blueberries at home? Huh, I wouldn't live in such a place."

One of the many excellent meals we ate while in Maine was at the home of Mrs. Emma Peterson, Yarmouth. Most of the food had come from her garden. We were served roast chicken with dressing, gravy and mashed potatoes,

deep baking dish with dough; fill with sliced apples; sweeten with molasses or sugar (go easy on the sweetening), flavor with spice, add top crust as for any pie. Bake in a 450° oven for 25 minutes, then reduce heat. Cook slowly until the apples are done. (Mrs. Clough took a spoon and broke the top crust down into the apple mixture). Serve warm with sweetened cream.

BLUEBERRY BREAD

1/4 cup fat	1 teaspoon salt
1/2 cup sugar	1 1/2 teaspoons soda
2 cups flour	1 1/2 cups sour milk
	1 cup blueberries

Cream fat and sugar; sift flour then measure, sift dry ingredients, add alternately with liquid. When well mixed, add berries. Bake in a well-greased 8-by-10-inch pan, in a 350° oven for 30 minutes. Cut in squares and serve with plenty of butter.

Mrs. Clough's rule is never to use egg in griddle cake, gingerbread, or quick bread batter, if sour milk is used for the liquid.

MOCK CHERRY PIE

1 cup cranberries	1 cup sugar
1/2 cup raisins	1/2 cup water
	1 teaspoon vanilla

Chop cranberries and raisins, mix well and bake between 2 crusts.

BAKED INDIAN PUDDING

1 cup yellow corn meal	1/4 cup fat
1/2 cup black molasses	1/2 teaspoon salt
1/4 cup sugar	1/2 teaspoon baking powder
	2 eggs, well beaten
	1 1/2 quarts of hot milk

Mix thoroly, these ingredients in half of the milk, bring to a boil in a very hot oven. Stir in remainder of milk. Pour into a well-greased stone crock and bake in a slow oven 5 to 7 hours.

LOBSTER STEW

Break boiled lobster meat in small pieces and place in a shallow pan. Cut 1/2 pound of butter in small pieces over the lobster and place in a slow oven. Stir often, cook for 1 hour. (The butter and slow cooking bring out the red color). Add 1 cup of hot water, stir well. Place lobster meat in a kettle, add 2 quarts of cold milk. Cook slowly until milk is scalded. Never let the milk boil, keep hot until served. Season with salt and pepper.

LOBSTER SALAD

Use 1 cup finely cut celery, 3 or 4 cups of lobster meat broken in small pieces; salt and pepper to taste; moisten with mayonnaise, serve on lettuce leaf.

Good Pie Carrier

A handy way to carry 2 pies in the same box is to take a piece of heavy cardboard a little larger than the pie, and tack large spools to the corners of the box. This cardboard can be placed over one pie, and a second pie placed on the cardboard.—Mrs. E. H.

Cap Corks Useful

Before throwing away bottle caps remove the corks from the inside. They have many uses around the house. Glued to the bottom of furniture legs, boxes, vases, ash trays, they prevent scratches on the floor or table top.—Mrs. B. B.

Party Suggestions

"The Bride-to-be Tea Shower"	price 3c
"Mary Ann's Chapter for Brides and Mothers"	price 5c
"Games for Young and Old"	price 3c
"Here Comes the Bride"—a play	price 5c
"A Ticket for Amy"—a play	price 5c

Your order will receive prompt attention. Please address Entertainment Editor, Kansas Farmer, Topeka.

baked summer squash seasoned with butter and spice, corn on the cob, garden salad, home baked bread, butter, jelly and pickles.

The dressing was unusual and delicious. I inquired how it was made. "Oh, just bread crumbs soaked in hot water and seasoned with salt, pepper and poultry seasoning."

"Perhaps I have been too lavish with the eggs in my dressing," I thought. "Mine never tasted like this."

Our hostess confessed she always added a pinch of baking powder to the mashed potatoes to make them fluffy. For dessert there was fresh apple pie made with the Red Astrakin apples in the yard, accompanied by a generous wedge of cheese with coffee.

Mrs. Blanche Clough, Portland, Maine, is an excellent cook. She has had years of experience cooking for her family and has managed hundreds of church dinners. She brought out her cherished recipes and generously allowed me to copy any that appealed to me. Some of these recipes had been handed down in the family for 4 generations. She demonstrated her famous hot water gingerbread, popovers, blueberry bread and apple pan dowdy. The following are a few of Mrs. Clough's recipes:

CLAM CHOWDER

Cut 3 slices of salt pork into small pieces and fry until a golden brown. Slice 2 medium onions and 4 medium-size potatoes into the hot fat. Add 1 cup hot water and cook until potatoes are soft. Add 1/2 pint clams and 1 quart milk. Let come to a boil, add salt, pepper to taste and 1 tablespoon butter. Allow to simmer a few minutes. (This recipe may be used for corn or fish chowder.)

APPLE PAN DOWDY

Apple pan dowdy is really deep-dish apple pie. In the old days, molasses was used for the sweetening. Make enough pastry for a large 2-crust pie. Line a



"SOIL SAVER"

Bill Bertholf
is an unusual farmer. Everything he produces on his 280 acre farm outside of Wichita stays at home! He markets a small amount of wheat and all of the milk he gets from his herd of 110 grade Holsteins and registered Guernseys, but that's all.

Farmer Bertholf's "Soil Saving" background is unusual, too. With the practical experience he learned from his father who was a Soil Conservation Farmer in Kingman County; he started terracing his land in 1945 and finished the work last year. His complete farm program includes terracing, rotation, and contouring.

To provide plenty of feed for his large herd, "Soil Saver" Bertholf uses Spencer's Ammonium Nitrate in his farm program along with phosphate and lime.

Whether or not you are like Bill Bertholf and keep almost everything you produce at home, following a planned soil conservation program will give you more from your land . . . more in crops, herds, and profits.

Ask your Farm Expert how you can be a "Soil Saver."
It Pays!



SPENCER CHEMICAL COMPANY, KS
Dwight Building, Kansas City 6, Missouri
Clip and mail for your FREE Booklet, entitled, "GRASS".

Name _____
Town _____ County _____
State _____ R.F.D. _____

Manufacturers of
NITROGEN AND
CULTURAL PRODUCTS

Please Be Careful

WHILE attempting to shut off a windmill during a storm, a young farmer was struck by lightning and killed. Riding a horse or operating farm machinery during a lightning storm, greatly increases the hazard of being struck. If no shelter equipped with lightning rods is available, lie on the ground.

A farmer was trampled to death when he attempted to stop a team of runaway horses. Handle farm animals cautiously, no matter how well-tamed they seem.

Never allow a child to ride as a passenger on farm machinery of any kind—a number of Kansas children have been accidentally killed this way.

A farmer was fatally burned in a barn fire, caused by smoking in a barn. To prohibit this practice would be a good safety rule, protecting both lives and property.—Kansas State Board of Health.

Baby Bee Can Sting

WANT a baby bee? Probably not. The baby bee has an experienced stinger—same as her mother. Also, one baby bee is of little value to anyone. But multiply it by more than 3 billion, and we have a "livestock crop" that has a very stimulating effect on American agriculture, say U. S. Department of Agriculture specialists on bee marketing.

Many of these young bees, often only a week old, will go to commercial apple growers to transfer pollen that sets the fruit. Some may be shipped to pollinate cucumbers in greenhouses, or to seedsmen growing red clover, alsike, alfalfa or sweet clover who want to increase their chances for a profitable crop of seed.

Most baby bees, however—more than three fourths of a million pounds of them—will move by truck, rail, express, mail, or airplane express to commercial producers of honey in the northern states and in Canada. The severe winter killed thousands of bee colonies which need replacing. Other beekeepers need vigorous young bees to put verve and pep into colonies that suffered last winter. For the last year or two there have been increasing shipments of package bees to Latin America and even to Europe, moving swiftly by air.

Usually package bee shippers feel happy at this season as they prepare the wire cages in which bees are to travel, or as they fix the small queen cages in which Her Majesty, the Queen, travels with only a few worker bee attendants. This year, however, all is not joy with package bee shippers. The U. S. Department of Agriculture's spring report said that demand for package bees is down and that shipments will be at least 8 per cent below 1948, and perhaps more. Orders are being canceled. Southern dealers ship young bees in 2-, 3-, 4-, or 5-pound "packages" that usually contain a queen cage also. Many are marking down prices in an effort to bring a meeting of minds between sellers and buyers. March prices were \$4.50 to \$5 for 3 pounds of bees and an Italian queen—10 to 20 per cent lower than in March, 1948. Prices of queens also have been reduced 20 per cent or more.

In the meantime, in the southland states of Louisiana, Alabama, Georgia, Mississippi and Texas, which with California include the main part of the package-bee producing territory, bees are flying busily every day, gathering nectar and pollen from willows, maples, berries and other plants, substantially earlier than in the average year. Colony strength is building up rapidly. Shipments of bees began about April 1, and continue as long as there is a demand for them.

Saves Feed

Here's how we protect our supply of chicken feed from rodents. We store it in a 35-gallon garbage can divided by a wooden partition down the center. The can then will hold 2 kinds of feed—100 pounds to the side.—Mrs. F. T.

Handy Kitchen Tool

One of the handiest tools in my kitchen is a cheap putty knife bought at the dime store. It can be used for scraping out hard-to-get-at corners of woodwork and utensils, is strong enough to pry up jar or can covers, lifts tacks, and is easy to keep clean. Its uses are countless.—Mrs. F. F.



W. Middlecamp

"Now here's a tub I could go for—NO water!"

AS NEW AS YOUR NEW TRACTOR!



Get All 3 Modern Oil Qualities . . . !

"Anti-Acid"? YES!
"Detergent"? YES!
"High V.I."? YES!

*High Viscosity Index — means high resistance to change in body under extremes of heat and cold.

1 **Free-Flowing**—Here's fast engine turnover — instant flow of lubricant to all moving parts.

New Mobiloil's high V. I. and rich lubricating qualities result from years of research by Socony-Vacuum.

2 **Full Protection**—Choice stocks and "built-in" cleaning properties mean unsurpassed protection against friction, wear, deposits.

3 **Maximum Economy**—Special processes remove undesirable elements—put in effective agents that retard corrosion, reduce "inside" troubles. Result: Money savings in terms of fewer repairs, greater operating economy. Get New Mobiloil for all farm engines.



Call in Your Mobilgas-Mobiloil Man!
SOCONY-VACUUM OIL COMPANY, INC.

UNSURPASSED TRIPLE-ACTION!

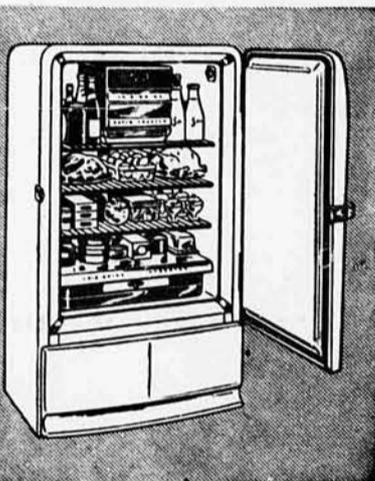
... And the Highline Can Bring You Safe Economical Refrigeration with FRIGIDAIRE

EXTRA BIG!
FRIGIDAIRE
MASTER-7

BIGGER on the INSIDE
• Holds More Food Than Ever Before In The Same Kitchen Space! Actual capacity, 7.7 cu. ft.

- Famous Meter-Miser mechanism
- Exclusive Quickcube Trays
- 1-piece porcelain interior
- Full-width, roller-bearing Hydrator, glass-topped
- Large Super-Freezer

(Many Other Features You Should Come In and See



NEW LOW PRICE **\$224.75** Other Models from \$209.75 to \$424.75

SEE THEM AT ANY OF THESE DEALERS

- | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>ABILENE
Shockey & Landes</p> <p>ALMA
Hansenbank & LaMar</p> <p>ALTMONT
Holmes Hdw. Co.</p> <p>ANTHONY
Wood Music Co.</p> <p>ARGONIA
Horton Furniture Co.</p> <p>ARKANSAS CITY
Wright-Burton Hdw.</p> <p>ARLINGTON
Fay's Sundries & Appl.</p> <p>ASHLAND
Home Appliance Co.</p> <p>ATTICA
K. R. Anthony Furn.</p> <p>ATWOOD
Schandler Furn. Co.</p> <p>AUGUSTA
O'Brien Furn. Co.</p> <p>AXTELL
Roth's Lock. & Ap. Co.</p> <p>BARNES
Barnes Ap. & Pibg. Co.</p> <p>BAXTER SPRINGS
Kane Furniture Co.</p> <p>BAXTER SPRINGS
Emp. Dist. Elec. Co.</p> <p>BELLE PLAINE
Foster Refrig. & Appl.</p> <p>BELLEVILLE
Fitch & Barth, Inc.</p> <p>BELOIT
Hiserote & Weir Appl.</p> <p>BENNINGTON
Powell Service</p> <p>BLUE RAPIDS
Brake's Furn. Store</p> <p>BUCKLEY
Day Hardware Co.</p> <p>BUHLER
Voth Radio Shop</p> <p>BURDEN
Lewis Chevrolet Co.</p> <p>BURNS
Lyons Supply Co.</p> <p>CALDWELL
Terwilliger Hardware</p> <p>CANEY
Pendleton Chev. Co.</p> <p>CAWKER CITY
Riley-Rhoades Ap. Co.</p> <p>CEDAR VALE
Williams Motor Co.</p> <p>CHANUTE
Naff & Bolze Hdw.</p> <p>CHAPMAN
Sanborn Lumber Co.</p> <p>CHEYEN
Cheney Implement Co.</p> <p>CHEERYVALE
Clark's Maytag Ap. Co.</p> <p>CHETOPA
Blankenship Hardware</p> <p>CIMARRON
Young Appliance Co.</p> <p>CLAY CENTER
Sennett's, Inc.</p> <p>CLIFTON
Beccotte-Esslinger</p> <p>CLYDE
A. Seifert Jewelry</p> <p>COFFEYVILLE
Southwestern Sales Co.</p> <p>COLBY
Mackay Appliance Co.</p> <p>COLDWATER
Rural Gas & Elec. Co., Inc.</p> <p>COLUMBUS
Bennett Appliance Co.</p> <p>CONCORDIA
Culbertson Elec. Co.</p> <p>CONWAY SPRINGS
Lewis Pibg. & Appl.</p> <p>COTTONWOOD FALLS
Hamm Electric Co.</p> | <p>COUNCIL GROVE
Rumsey & White</p> <p>DIGHTON
Mull Electric Service</p> <p>DODGE CITY
Hainline Appliance Co.</p> <p>DOWNS
Cunningham Oil Co.</p> <p>ELKHART
Kallaus Bros. Sales & Service</p> <p>EL DORADO
Home Appliances, Inc.</p> <p>ELLIS
O'Loughlin Motor Co.</p> <p>ELLSWORTH
Holt & Goedde Furn. Co.</p> <p>EMPORIA
Litke-Stephens Fur. Co.</p> <p>ERIE
Rogers' Hwd. & Furn.</p> <p>ESKRIDGE
Whitard Sales & Serv.</p> <p>EUREKA
Burton's Furn. & Appl. Co.</p> <p>FLORENCE
W & R Appliance Co.</p> <p>FORT SCOTT
Fitzola Off. Equip. Co.</p> <p>FRANKFORD
Lauer Electric Shop</p> <p>FREDONIA
Hollis Hardware Co.</p> <p>GARDEN CITY
Mayo's</p> <p>GIRARD
Eward Elect. Co.</p> <p>GLASCO
R. W. Cramer Hdw.</p> <p>GOODLAND
D & G Electric Co.</p> <p>GREAT BEND
Chaffee Electric Co.</p> <p>GREENSBURG
Detherow Appl. Co.</p> <p>HANOVER
Schwartz Appl. Co. Elec. Co.</p> <p>HALSTEAD
Mantle's Dept. St., Inc.</p> <p>HARPER
Jess Hamilton</p> <p>HAVEN
Koch Bros. Hdw.</p> <p>HAYS
The Merchandise Mart</p> <p>HERINGTON
Fred Lee & Sons</p> <p>HILL CITY
Quenzer Appl. & Hdw.</p> <p>HILLSBORO
John Hiebert</p> <p>HORNINGTON
Gorman Appl. Co.</p> <p>HOPE
W. W. Wuthnow Furn. Co.</p> <p>HOWARD
Virgil Munsinger</p> <p>HOYLE (Grinnell)
H. J. Rietcheck Appl.</p> <p>HUGGOTON
Richardson Elec. Co.</p> <p>HUTCHINSON
Graber Furniture Co.</p> <p>INDEPENDENCE
Johnson & Ebert Co., Inc.</p> <p>IOLA
Schell's Appl. Store</p> <p>JETMORE
Lindas Lumber Co.</p> <p>JEWELL
Jewell Lumber Co.</p> <p>JOHNSON
Cave's Homegas</p> <p>JUNCTION CITY
Waters Hardware Co.</p> <p>KENNINGTON
Simmons-Oliff</p> | <p>KINGMAN
Kingman Radio Co.</p> <p>KINSELEY
Maytag Appliance Co.</p> <p>KIOWA
Fisher-Wood Hdw.</p> <p>LACROSSE
Pittman & Pittman</p> <p>LAKIN
J. C. Hart & Co.</p> <p>LARNED
A. Doerr Merc. Co.</p> <p>LEBANON
Lowery & Uht Furn. Co.</p> <p>LEHIGH
Burkholder Lbr. Co.</p> <p>LEON
Losh Motor Co.</p> <p>LEOTI
Western Hdw. & Sup.</p> <p>LIBERAL
Heitic Appl. Co. (Ref.)</p> <p>LIBERAL
Pennington Elec. Co. (Ranges)</p> <p>LINCOLN
B. G. Hall</p> <p>LINCOLNVILLE
Burkholder Lbr. Co.</p> <p>LINDSBORG
Billings Refrigeration & Elec. Appl.</p> <p>LITTLE RIVER
Hodgson Impl. & Hdw.</p> <p>LYONS
Schneider's Furn. Co.</p> <p>MADISON
Sauder Hardware Co.</p> <p>MANHATTAN
Kamp Furniture Co.</p> <p>MANKATO
Beam Motor Co.</p> <p>MARION
W. J. Haas Furn. & Ap.</p> <p>MCPHERSON
Green Furniture Co.</p> <p>MEADE
C. F. Worman Elec. & Pibg.</p> <p>MEDICINE LODGE
Diekey Appl. Co.</p> <p>MILTONVALE
Phelps Furn. Store</p> <p>MINNEAPOLIS
Corner Hardware Co.</p> <p>MOJAVE
Ames Chevrolet Co.</p> <p>MORGANVILLE
Will F. Taddiken</p> <p>MOUND RIDGE
Krehbiel Hardware</p> <p>NASHVILLE
Stewart Motor Co.</p> <p>NATOMA
Pohlman's Home Furn.</p> <p>NEODESHA
Kimball Electric Shop</p> <p>NESS CITY
Schroyer's, Inc.</p> <p>NEWTON
Jenkins Appl. Co.</p> <p>NORTON
Horney's Appl. Co.</p> <p>OSAGE
C. D. Clark & Sons, Inc.</p> <p>OSAGE
Tessendorf Furn. Co.</p> <p>OSWEGO
Quenzer Appl. Co.</p> <p>OSWEGO
Williamson Stores, Inc.</p> <p>OXFORD
Abildgaard Hdw. Co.</p> <p>PARSONS
Ellis Radio & Appl. Co.</p> <p>PEABODY
Baker Furn. Store</p> | <p>PHILLIPSBURG
Newell's Appl. Co.</p> <p>PITTSBURG
Koddy's Elec. Serv.</p> <p>PLAINVILLE
Mosher Bros.</p> <p>PRATT
Eink Electric Co.</p> <p>PRETTY PRAIRIE
General Appliance Co.</p> <p>PRAIRIE VIEW
Peters Bros.</p> <p>QUINTER
Quinter Appl. Store</p> <p>RILEY
Meyer Mercantile Co.</p> <p>RUSSELL
Daines Bros.</p> <p>ST. FRANCIS
Roshif's Electric Store</p> <p>ST. JOHN
Peacock & Solce</p> <p>ST. MARYS
Tessendorf & Youngkamp</p> <p>SALINA
Goodhousekeepers Appl., Inc.</p> <p>SCANDIA
Sanborn Lumber Co.</p> <p>SCOTT CITY
Bryans, Inc.</p> <p>SEDAN
Ding Bell Chev. Co.</p> <p>SHARON SPRINGS
C. E. Koons & Son</p> <p>SMITH CENTER
Simmons-Oliff Furn. Co.</p> <p>SPEARVILLE
Heaslip Chev. Co.</p> <p>STAFFORD
Peacock & Solce</p> <p>STERLING
F & A Electric Co.</p> <p>STOCKTON
Quenzer Appl. Co.</p> <p>SYLVAN GROVE
F. A. Gatewood & Sons</p> <p>SYRACUSE
Stewart Furniture Co.</p> <p>TIMKEN
Timken Lumber Co.</p> <p>TRIBUNE
Western Hdw. & Sup.</p> <p>TURON
Turon Elec. Supply</p> <p>ULYSSES
Burham Electric Co.</p> <p>WAKEFELD
Clark Supply Co.</p> <p>WAKEFIELD
Sanborn Lumber Co.</p> <p>WAMEGO
J. E. Stewart & Sons</p> <p>WASHINGTON
Davis Food Bk. & Ap.</p> <p>WATERVILLE
Hensley Hdw. & Furn.</p> <p>WELLINGTON
Nichols Electric Co.</p> <p>WICHITA
Bennett Music House</p> <p>WICHITA
Geo. James Co.</p> <p>WICHITA
Vowel Furniture Co.</p> <p>WICHITA
Whitecomb Appl. Co.</p> <p>WILSON
Weber Hardware</p> <p>WINFIELD
Winfield Electric Co.</p> <p>YATES CENTER
J. C. Schnell</p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Have You Tried Fertilizing Soybeans?

Soybeans require fertile soils for high yields. But they apparently do not respond favorably to direct applications of plant food. In this sixth installment on fertilizer use for specific crops in Kansas, you will find a suggestion on how you may be able to obtain higher yields of soybeans.

HAVE you tried fertilizing soybeans? Chances are you were disappointed with the results. As Dr. Harold E. Myers points out, fertilization of soybeans has given erratic results both in Kansas and elsewhere. Occasionally, the head of the Kansas State College soils department says, excellent results are obtained.

That occasional response may be just enough to entice the more daring into trying it once more. The best chance for response is from applications of phosphatic and potash fertilizers where those elements are known to be deficient in the soil. Altho soybeans are classed as a legume, there actually is

little soil improvement received from their growth in the way of nitrogen additions. Soybeans just about hold even on nitrogen.

If you try phosphorus or potassium fertilizers, there are some precautions to observe. Doctor Myers explains that care should be taken to prevent contact of the fertilizer with the soybean seed. A reduction in yield may follow if the fertilizer and seed are placed together in the soil.

Requirements of soybeans are not extremely high. Each 20-bushel crop will take about 16 pounds of phosphoric acid from the soil and about 30 pounds of potash. Now, soybeans do respond favorably to soils in a high state of fertility. Then, there is the clue to the safe use of fertilizer for the crop. Apply lime, phosphate and potash according to soil requirements with legume crops in the rotation. Then the succeeding soybean crop can be expected to respond favorably and with more regularity to soil fertilization.

Plan American Royal For Dairymen This Spring

AND now there will be an American Royal for dairymen, too. The first annual Royal Dairy Cattle show will be in Kansas City, beginning May 16 and continuing thru May 21. About 800 head of prize dairy cattle from Kansas, Missouri and Oklahoma will vie for upwards of \$20,000 in prizes.

The American Royal association is working with state dairy associations in providing expanding dairy interests of the 3 states recognition comparable to that accorded the beef producers at the autumn edition of the Royal.

Twenty-three classes for each of the following breeds are being arranged: Ayrshire, Brown Swiss, Guernsey, Holstein-Friesian, Jersey and Milking Shorthorn. A preponderance of the entries will be winners of the parish or district shows thruout the 3-state area. Where no district shows are held, the district officials of each breed may nominate their respective entries.

This system of elimination will lend a high degree of quality to the Royal Dairy Cattle show.

Joe Hunter, Geneseo, prominent Milking Shorthorn breeder, is general chairman of the show's planning committee. Officials of the other dairy-breed associations are assisting him in arranging registrations for the show.

A merchants' and manufacturers' show of particular interest to dairy-cattle people will be held in conjunction with the show. Also, beginning Saturday, May 14, and continuing thru

May 21, a world's-championship rodeo will be staged under the direction of Verne Elliott, Plateville, Colo., who also produces the rodeos at Cheyenne, Wyo., and Pendleton, Ore. Matinees are scheduled for Saturday and Sunday, May 14 and 15, and Saturday, May 21, at 2:30 in the afternoon. Evening performances start at 8 each night. We'll see you in Kansas City.

3,000,000th Holstein

Marking a milestone in Holstein progress, Blossom Ormsby Fobes Posch, purebred Holstein heifer, has become the 3,000,000th Holstein female to be registered by The Holstein-Friesian Association of America.

"Blossom" is owned by Richard B. Johnson, St. Peter, Minn., an active junior member of the national Holstein group. Richard has attended the School of Agriculture, St. Paul, Minn. Owns 10 registered Holsteins. His animals have won several show-ring ribbons and he has carried several successful dairy demonstrations. Kraft Cheese Company awarded him a bond for his excellent work in dairying.

As of "Blossom's" registration, the national Holstein group has registered well over 4,000,000 Holstein animals (1,000,000 bulls and 3,000,000 cows) from an imported total of less than 8,800. The organization, the largest dairy cattle breeders association in the world, was incorporated in 1885.

GRANDMA . . . By Charles Kuhn



Copyright 1949, King Features Syndicate, Inc. World Rights Reserved.

THE HIGHLINE

Brings New Conveniences to Kansas Farm Homes

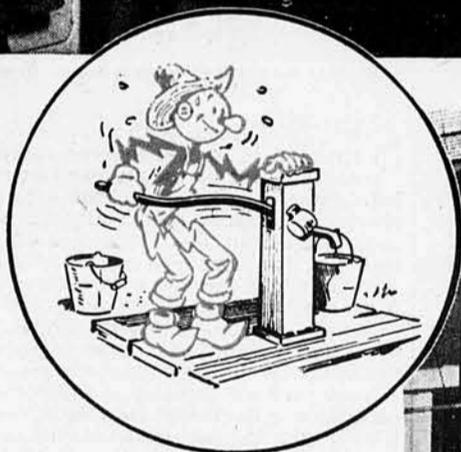


TODAY your farm home can be as modern and comfortable as any city home. Electric service means you can have ALL the work-saving conveniences.

You can have clean cool electric cooking at the flip of a switch. There's refrigeration for food protection in hottest summer weather.

An electric water system provides running water for your kitchen and bathroom as well as your farm buildings.

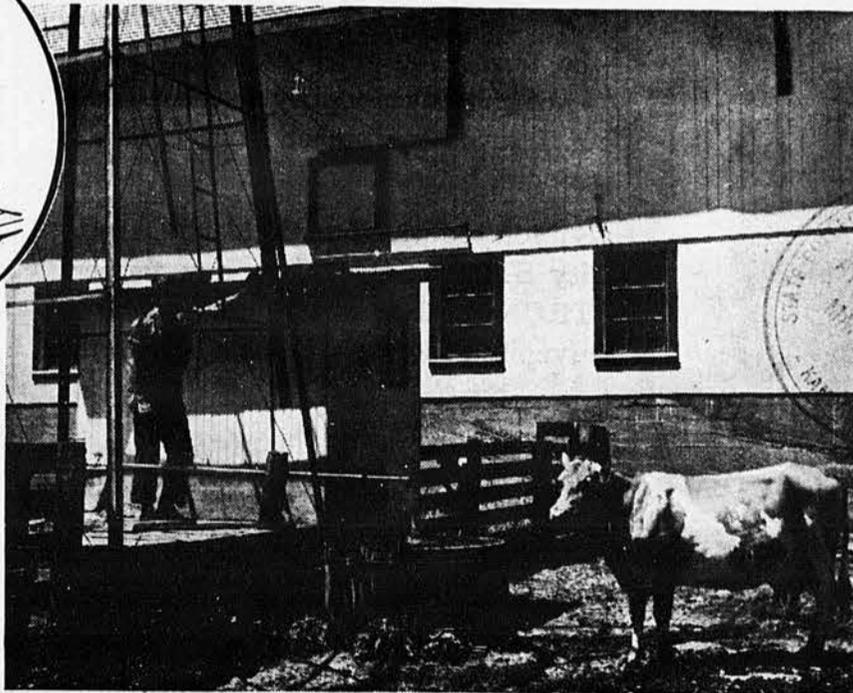
And Reddy Kilowatt is a Fool for Work About the Farm Too



He's a dependable farm hand who'll give you safe convenient service day in and day out, all year round. He will pump the water for the stock, cut the ensilage, saw wood, hoist hay, milk the cows and run the shop equipment, and a multiplicity of other odd jobs!

And all this and numerous other jobs at the flick of a switch! It's a miracle beyond comprehension!

The wider use of electricity with the skill and experience of self-supporting tax-paying electric light and power companies have made electric service the biggest bargain in the family budget.



ELECTRICITY— Does the Job Better!

- Central Kansas Power Company
- Kansas City Power & Light Company
- The Kansas Electric Power Company
- The Inland Utilities Company
- Eastern Kansas Utilities, Inc.
- The Kansas Power and Light Company
- Western Light & Telephone Company
- Kansas Gas and Electric Company
- The Empire District Electric Company

This Message from the Pioneers of Rural Electrification

"I saved money
with Strongbarn."



"The barn I just finished cost me less because I used Granite City Strongbarn corrugated roofing," says Mr. Alhorn,

who farms 700 acres near Meredosia. "I not only saved money on the roofing, but I saved on lumber. And I have a stronger, better barn.

"So you see why I recommend Granite City STRONGBARN to any farmer. STRONGBARN is not only the best galvanized roofing—it costs less, too!"

Strongbarn Galvanized Steel Roofing and Siding is Stronger, Better, Cheaper

STRONGBARN is stronger than 26 gauge conventional roofing even though 21 lbs. per square lighter.

STRONGBARN means tighter roofs and siding. It stays flat and even, with tight joints. That's why it resists winds that tear and buckle conventional roofing.

STRONGBARN is easy to apply. Because it is stronger and tougher, it wears longer and better.

STRONGBARN saves you money because it is lighter. Also because Purlins and Girts in new buildings can be spaced further apart than required for conventional galvanized roofing and siding.

See your dealer or write

GRANITE CITY STEEL COMPANY

Granite City, Illinois

What Sheepmen Asked

SHEEPMEN attending the annual Lamb Feeders' Day, at Garden City, always ask important questions. Here are some of the highlights of the question and answer period held at this year's school:

Question—Can silage be substituted for stover as the only roughage for feeder lambs?

Answer—No, it can be substituted for up to 50 per cent of the roughage.

Question—Should all feeder lambs be wormed when purchased?

Answer—No. Don't worm unless they show signs of being wormy.

Question—Should ground limestone be fed on wheat pasture to prevent stiffness in lambs?

Answer—Some ground limestone may help, but is not a sure preventive.

Question—Does it pay to feed grain or supplement to lambs on wheat pasture?

Answer—No.

Question—Is there much difference in feeding values of the various forage sorghums?

Answer—Very little. The type that produces best on your farm is the one to use.

Question—Is unground alfalfa hay or alfalfa straw dangerous for feeding lambs?

Answer—No. Whether you should grind depends on amount they are wasting.

Question—Should all grain fed to lambs be ground?

Answer—It doesn't generally pay.

Question—Is alfalfa hay or sorghum stover cheaper to feed lambs?

Answer—What you should use depends on availability of feed and the price relationship between the 2 at the time.

Question—Can dehydrated alfalfa pellets be substituted for cottonseed meal or cake in the lamb ration?

Answer—One test comparing dehydrated alfalfa meal showed no advantage.

Question—When molasses and grain are the same price, which is the best for lamb-feeding rations?

Answer—Molasses has a slight advantage.

Question—If lambs throw up grain or show other signs of distress, should they be fed soda?

Answer—Best results are obtained from reducing grain to below 50 per cent of total feed consumption. Soda will reduce death losses but also reduces feed consumption.

Question—What kind of wheat pasture is best for lambs, and what months are best for pasturing?

Answer—Volunteer wheat in old stubble seems to make the best pasture. February, March and April appear to be the months when wheat is most nutritious.

Question—What effect does pasturing have on wheat grain yields?

Answer—Where continuous wheat is pastured to April 15 there is some reduction in grain production. On summer-fallowed wheat, pasturing has resulted in a slight increase in grain yield.

Question—Can lambs be taken off wheat pasture and be put into the feed lot?

Answer—Lambs going from wheat pasture to feed lot take to grain quickly and do well.

Question—Is there any difference between cottonseed cake and soybean meal for ewes with lambs?

Answer—No.

Question—Should breeding flocks be sprayed for ticks and lice?

Answer—It is an excellent practice.

Question—Do shorn lambs gain faster?

Answer—Yes, if protected from cold after shearing.

Kansas Fertilizer Mixer Offers a Legume Special

SOMETHING new in the Kansas fertilizer field. It is a legume special being mixed by the Snyder Chemical Company, of Topeka. This legume special is designed specifically for established stands of alfalfa and other legumes. The plant food ratio is 0-20-10 with an added amount of 4 pounds of fertilizer borax to supply boron. It is heavy on phosphate and potash, both of which, in addition to lime, legumes use in relatively large amounts.

Last year an experiment conducted on alfalfa in Southeast Kansas showed a 3 per cent increase in the second cutting due to an application of borax. How widespread the need for boron will be has not been determined. But it is known that boron is necessary for all crops, with a greater amount demanded by legumes.

For Established Stands

The Snyder company is specific in pointing out that their mixture is for established stands of legumes. For new seeding of alfalfa, for example, the recommendation is for a fertilizer with some available nitrogen. Then, too, when fertilizer borax is used at time of seeding with a grain nurse crop, it should be applied and worked into the soil 10 days to 2 weeks before seeding to avoid injury to the grain. Even though it is necessary for proper growth, even relatively small amounts can be toxic to the grain when applied directly with it.

Results from use of this fertilizer will be interesting to watch. Boron deficiency symptoms most often occur in the second crop. And that will be the crop to watch for differences in appearance as well as yield increase.

Apparently the best time to apply the fertilizer is in fall. But it can be applied successfully before the first crop in spring or just after the first crop has been removed. Fertilizer not used the first year will be carried over in the soil.

For normal growth of alfalfa, soil should contain about 1.5 pounds, or more, to the acre plow-layer of available boron. Borax, or fertilizer borate, used for this purpose usually contains about 10 to 11 per cent of boron. Sometime in the future there may be a simple soil test available to determine the amounts of boron available in specific soils.

New Sorghum Pest

A new insect to pester Kansas farmers, the sorghum midge, was noticed for the first time in the southeastern portion of the state last summer, Harry R. Bryson, of the Kansas State College entomology department, has disclosed.

"We are watching to see whether the midges reappear this summer," Bryson said. They were reported near Arkansas City, Coffeyville, Neodesha and Haviland last year.

The insect winters as a fully grown larvae in Johnson and other grasses. Larvae of the insects cause the damage, Bryson said. Their infestation causes a "blasted" head with a few normal scattered berries reducing the yield of sorghums.

Host plants of Johnson and other grasses near edges of sorghum fields should be destroyed.

Use Luminous Paint

So basement and porch steps can be seen easily at night, I use luminous paint and paint an inch-wide strip along the edge of each step.—Mrs. J. H.

Rush county was named in honor of Alexander Rush, captain of company H, second Kansas colored cavalry, killed at Jenkins Ferry on April 3, 1864.

Ties His Farm Down

John Wittenbach Makes Short Work of Soils Program

By ED RUPP



John Wittenbach, Nemaha county, and Bob Younghans, assistant conservationist, examine the new seeding of brome and alfalfa in a grassed waterway on the Wittenbach farm. After terraces are turned into the waterway, temporary berms seen alongside will be removed. Mr. Wittenbach did much of the waterway shaping with his own farm equipment.

SOIL-CONSERVATION plans must be put into practice before they are worth their salt. That is why John Wittenbach, Nemaha county, is going full speed ahead to get all of his 240-acre farm under protection.

Last spring Bob Younghans, assistant conservationist at Seneca, developed a complete set of plans for the Wittenbach farm. By fall Mr. Wittenbach had leveled and seeded 5 complete waterways and built more than 2,000 feet of terraces with his plow. These first terraces were drained into pastures on the farm. But with the waterways established, Mr. Wittenbach will be ready to build terraces on the remainder of his farm land within the next 2 years. At the rate he is going most of them will be completed by next fall.

All but 15 acres of the home 80 will go to grass, mostly a combination of brome and alfalfa. For the most part, this is the land that already has been terraced. In another year or two, Mr. Wittenbach expects to have more help on his farm. Then this acreage will be under full protection and ready for crop production.

Had to Build Waterways

An 80 adjoining the home place was nearly all in cultivation. Waterways had to be built before terraces could be started. But as soon as plans were drawn for this acreage, Mr. Wittenbach started to work. The plan called for 2 waterways on the field that took in a total of 7 acres. The waterways were to be built where ditches had formed across the field down the natural-drainage areas.

He hired heavy machinery to fill in some of the gullies, but most of the work was done with his own equipment. That included leveling the waterways and plowing up a protective berm alongside each strip to be grassed. This temporary berm keeps drainage water out of the newly-grassed area until a good sod has been established.

Mr. Wittenbach hauled 16 loads of manure on the newly-formed waterways. In addition he used 800 pounds of 47 per cent phosphate on them and a 10-acre patch in the same field that was being seeded down. This spring he plans to add nitrate to the grassed areas.

Using his own brome seed, he spread

30 pounds an acre along with 6 pounds of alfalfa seed. After scattering the seed it was rolled in. It was dry in late September when Mr. Wittenbach seeded the areas, but he got an excellent stand for his efforts. There was every indication the waterways would be well sodded by next summer or fall.

When these waterways are ready to receive water from terraces, the temporary berms will be removed. It will leave a grassed strip with natural slope to carry water from the field instead of a ditch which would continue to increase in size each year.

Yes, these waterways do take some land out of cultivation. But not out of production. Fine-quality hay will be produced on these areas. And valuable seed crops also are in prospect.

Three waterways were required on the south 80, which is a mile away from the home place. Nearly 11 acres of area were required for these outlets. They were handled in much the same way as the others, and a good stand of grass last fall was the reward. In addition to the waterways, nearly 23 acres of meadow remain in this field. The other is available for cultivation.

About 115 more acres will be ready for terracing this summer if the grass seeded the first year comes thru all right.

Without doubt, Mr. Wittenbach is an outstanding soil-conservation co-operator. If all farm plans were placed in operation as rapidly as his, there would be more evidence of land under control.

Mighty Good Jerseys

The herd of registered Jersey cattle owned by A. L. Miller, R. 1, Partridge, has completed a year's work in official Herd Improvement Registry testing with an average production of 7,555 pounds of milk and 446 pounds of butterfat to the cow. The herd contained an average of 12 milking cows during the year.

All tests on this herd were conducted by Kansas State College and verified by the American Jersey Cattle Club.

In accomplishing this production the Miller herd has joined the select group of Jersey herds in which the cows have produced more than two times the amount of butterfat obtained from the average dairy cow in the United States.



A neat strip of grass coming down the hillside on the John Wittenbach farm, Nemaha county, replaces a former gully in the same drainage area. Terraces will be turned into this waterway this summer or fall if the grass comes thru the winter all right.

CUT MORE HAY FASTER at Lower Cost



with a MASSEY-HARRIS Semi-Mounted Mower

The first time you look at one you'll see why the Massey-Harris No. 6 Mower cuts both more hay and costs. Every nut and bolt, bar and brace spell quality, performance, efficiency.

With its two caster wheels, one on either side, the No. 6 is literally a contour mower. It hugs the ground to do more uniform work . . . to cover more acres . . . to do a cleaner job of cutting . . . and with longer life for the cutter bar, pitman, bearings, and drive shaft.

Of welded tubular construction,

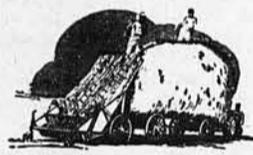
the No. 6 is ruggedly built. Husky roller bearings in the right places make it a lighter running, longer lasting mower. Guarded with safety shields, and an automatic safety release, it's as safe as a mower can be made. And you'll find it easy to attach and detach.

See your Massey-Harris dealer for all the facts about the No. 6 — in 6- and 7-foot sizes. Ask him for a copy of the latest folder on all Massey-Harris Hay Tools or write to the Massey-Harris Company, Quality Avenue, Racine, Wisconsin. Dept. 75.

THREE OTHER PROFITABLE HAY TOOLS



With a 4-bar cylinder, the Massey-Harris No. 11 Side Delivery Rake is built for big capacity at fast tractor speeds.



The Massey-Harris No. 8 Loader is famous for handling hay gently, an important factor in making high quality hay.



The Massey-Harris Forage Clipper cuts, chops, loads any hay or silage crop in one, easy, time-and-labor-saving operation.

Make it a Massey-Harris

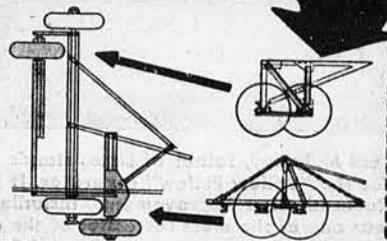


Continue Your U. S. Savings Bond Purchases During 1949

NEW DESIGN TANDEMS SAVE WASTED GRAIN

New designed tandems save grain and wear and tear on combine on rough land. New exclusive feature, header bar tandem wheel is mounted inside of original on A. C. 60 so it will not rundown grain when turning corners or when grain is leading toward header bar. No holes to drill and simple to install. Write for descriptive folder and price.

LOUIS WENGER MANUFACTURING CO.
BOX 214
SABETHA, KANSAS



A Link With the Past

Elmo Mahoney's Hobby Is Bulky, But It's Fun

IT'S threshing time—50 years ago. Puffs of black coal smoke curl up on the horizon as testimony. Wheat is being threshed. It is part of the Kansas scene.

Is memory the only link with that day? Drive along 40 highway thru Russell county in midsummer. In the vicinity of Dorrance. Look at that smoke. Is it an oil fire? No—it's an old steamer rig. Let's go have a look.

There is romance, adventure in the life of combine operators today. It is worth the coverage of national picture magazines. Worth pointing the lens of a movie camera at this modern drama of the plains.

But there was romance, too, in the puffs of black smoke from the huge steamers. And there was excitement in the hungry grunts of the threshing machine.

Owner of this connecting link with the days of the header barges is Elmo J. Mahoney. It is a hobby with him. Each year he pulls the huge steamer out of its special shed with a big, lumbering 40-80 Avery gas tractor. With steamer and "Yellow Fellow" separator he threshes a little grain of his own. And does a few odd jobs of threshing in the neighborhood for 6 or 7 farmers who will need a little straw for livestock bedding, come winter.

The 40-80 Avery gas tractor and the big 42-by-70, 16-bar Avery threshing machine were a part of the Mahoney threshing equipment just before combines took over. Threshing as big business ceased to exist in the twenties. But the Mahoneys kept this last rig, partly for sentimental reasons.

Make a Model

In 1944, Elmo decided to make a model of an Avery undermounted steamer. One like the 2 his father, Tom Mahoney, bought in 1905. From old catalogues and circulars he was able to get a fair idea of how it looked. Then he decided on a long chance. He ran ads in several newspapers inquiring about steamers of that particular vintage. He felt he would be lucky to pick up a few odds and ends that he could put together.

His ads were answered. He was luckier than he dreamed possible. E. R. Brein, of Athol, had an old steamer. An Avery. Best of all, it was just what he wanted. A 30-horsepower, under-mounted Avery purchased in 1907.

The old steamer weighs 17 tons. And when Elmo found it much of that weight was in rust. But he brought it home by truck, with special highway permission. Listening to advice and suggestions of his father, he rebuilt the old steamer. It took a year and half of his spare time. Rebuilding included an authentic paint job, complete with stencils. In this he was guided by pictures in his catalogues. It took 24 quarts of paint. And the paint was topped off with a coat of water-spar varnish, which is both heat- and water-proof.

This careful attention is not unusual with him. Even the old Avery gas tractor looks like it is fresh out of the factory. It, too, is preserved with paint and sheltered when not in use, altho its

main job is just to pull the steamer out of the shed once a year.

Modern machinery is used in the operation of the Mahoney farm today. He is a Flying Farmer. The Mahoney plane is kept in a special hangar right on the farm. What kick can he get out of this big, old machinery, you might ask?

"If it's possible to have a machine that's alive, it's a steam engine," he says. "It's a thrill to operate it. Fascinating," he adds.

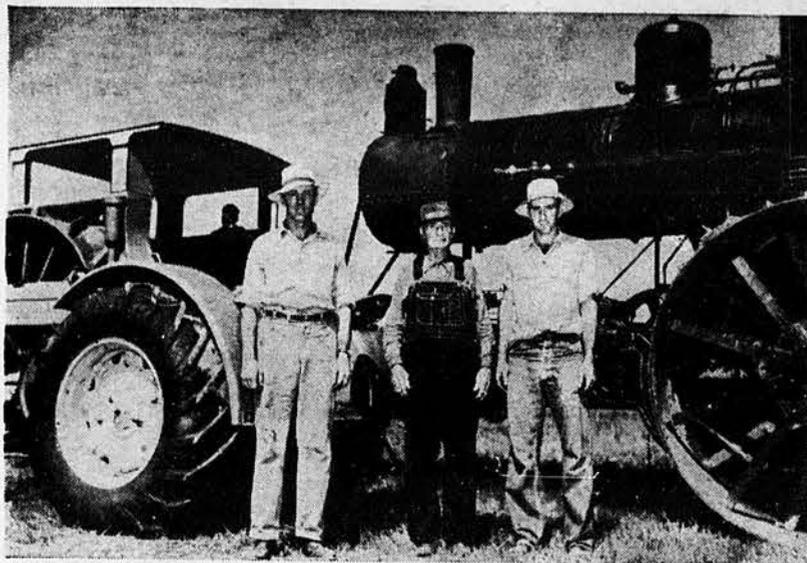
When you open the throttle on a steamer you get a feeling of power in your grip. And it's smooth power. Fast or slow, however you like it. That is Mr. Mahoney's description.

Knowing his zest for flying, we asked which he would give up first. His flying or his steam engine?

"I wouldn't say that I would give up flying first," Mr. Mahoney answers. "But I would miss flying for a week just to run the steamer."

Really, this old threshing machinery is more than a hobby, or just a link with the past. These 3 machines stand as a trade-mark of the Mahoney family.

It started soon after the Civil War when an Erin-born Irishman, who was drafted from New York, went West. He and several buddies set up a bakery business in Chicago. He was Jeremiah Mahoney, father of Tom Mahoney and Elmo's grandfather. In 1877, he traded his share of the business for a quarter



These are the Mahoneys. Elmo at left, Kenneth at right, and their father, Tom Mahoney, in the center. They are standing beside one of the modern tractors used on their farm. In the background are the old Avery steamer and Avery 40-80 gas tractor kept by Elmo as an unusual hobby.

section of land in Kansas that had a house on it. The old stone house still stands on the Mahoney farm half a mile north of the highway.

In 1891 Mr. Mahoney's 4 boys, John, Ed, Martin and Tom, decided to buy a threshing outfit and go into the business. Their father discouraged the idea. It was common in that day for commercial threshers to go broke. Few made money. But the first year the Ma-

so well he ordered 2. It was the only production model, double-cylinder, under-mounted steamer ever sold, his son reports today. It was made in 2 models, 30-horsepower and 40-horsepower. The one carried 150 pounds of steam, the other had a heavier boiler and carried 200 pounds.

It was one of the largest steamers ever built. Two flat cars were required to ship the 2 steamers to Dorrance. It was an expensive machine, but powerful. This model took live steam into both cylinders. That means it was able to produce power right now, the younger Mahoney explains. But, if you were not able to make use of all that power when you had it, it was expensive to operate.

You can see why Elmo Mahoney felt mighty lucky to find a steamer of that vintage for his hobby.

Got Special Improvements

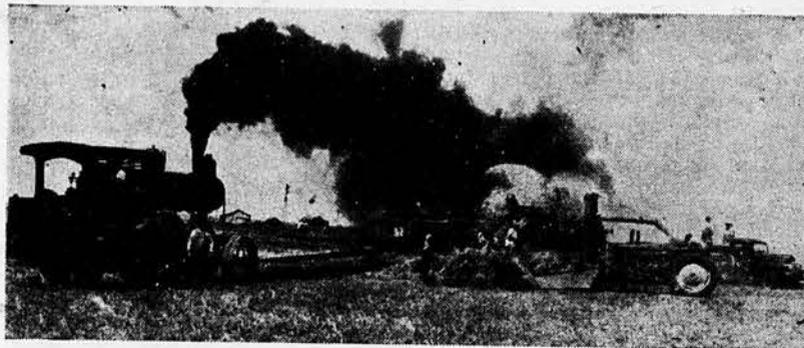
Now look at the threshing machine, the "Yellow Fellow." The Mahoneys brought the first big outfit with a self-feeder into that part of the state. While using Avery threshers, Tom Mahoney took advantage of his connections with the old company to get special improvements on the machines. One of these improvements was the Mahoney low-down feeder.

Many stacks of headed grain were threshed in those days. By pitching the headed grain too fast, it was quite common to slug the cylinder. That started Tom Mahoney on another improvement. The 16-bar cylinder in place of the standard 12-bar. The first special 16-bar cylinder separator was built specifically by Avery for Tom Mahoney. Then, just as the old Avery company was going out of business in 1924, it was Tom Mahoney who got the last separator built by the company. It is the 16-bar "Yellow Fellow" now operated by Elmo Mahoney.

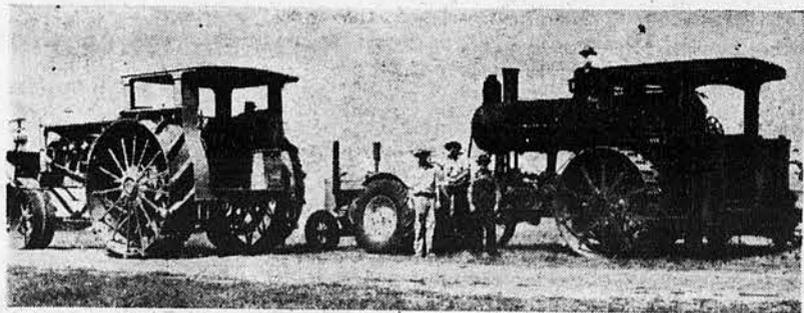
In his lifetime Tom Mahoney probably threshed more bushels of grain than any other custom thresher in the state. In years of continuous service, he quite probably is the oldest of the old-time custom thresher men, too. In addition to introducing new types of equipment into the state, he had much to do with introducing the cook shack idea along with a full threshing crew. When his outfit moved onto a farm, all the help that was necessary to keep the big machines rolling went right with him.

To keep all this machinery operating smoothly, a complete machine shop was necessary. Yes, it was fully equipped. Included in his shop in those early days was a lathe. The unusual part about the lathe was that it was operated by wind power.

But the 2 younger Mahoneys, Elmo
(Continued on Page 39)



Looks like early days in Kansas. Actually, it is the present-day threshing rig owned by Elmo Mahoney, Dorrance. It is his hobby. The trucks receiving the grain and the buckrake on the modern tractor identify the picture with the present. Without the buckrake, Mr. Mahoney says he would not be able to operate the huge machine at all. It would require too much man power. (Photo by Russell County News.)



This view of the Mahoney equipment shows the comparative size of present-day tractors with those of yesteryear. Look closely, there is a 4-plow gas tractor between the 40-80 Avery at left and the huge old steamer at right.



Tom Mahoney, father of Elmo, stands in front of an improvement he designed for the "Yellow Fellow" separator. It is the Mahoney low-down feeder. He influenced other improvements, including a 16-bar cylinder. The elder Mahoney was one of the most successful of the old-time custom thresher men. (Photo by Russell County News.)

honey boys cleared enough money to pay for the outfit. They paid off two-thirds of the cost and put the remainder into land. That policy was continued thru the years, and the extent of the Mahoney holdings around Dorrance today indicates their plan worked.

The second year they bought an Avery outfit and later another Avery. About this time, Tom, youngest of the 4 brothers, was deemed old enough to see Kansas City. He went with a load of cattle, by train of course, and while there contacted the Avery house.

The contact he made proved profitable. In 1898 a salesman came out to see the Mahoneys and sold them an even larger outfit than they had been operating. In 1905, Tom Mahoney went back to Peoria, Ill., to visit the Avery factory. While there he saw blueprints for a new type of steam engine. It was to be a double-cylinder, under-mounted steamer. The advantage was that the boiler on this new steamer was to be mounted on a frame. Other steamers had been using the boiler itself as the frame. It put a strain on this part of the equipment that had to hold 150 or 200 pounds of live steam.

Young Tom Mahoney liked the plans

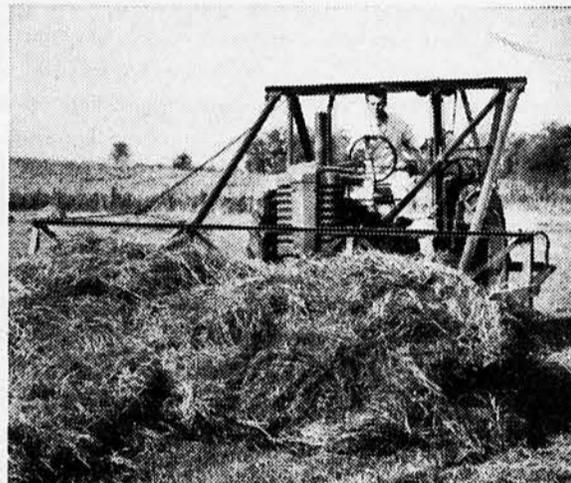
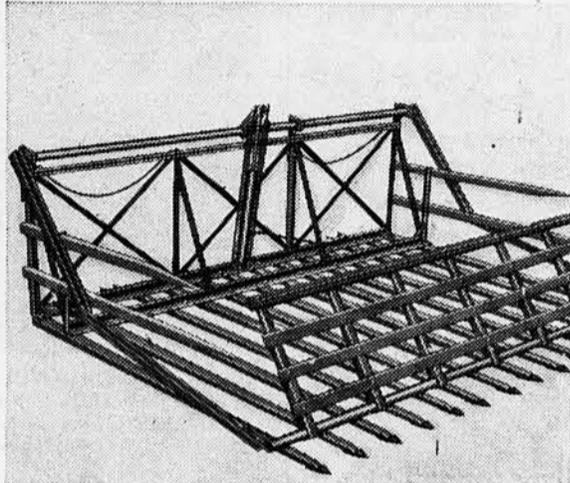
What Is Your Hobby?

If you have enjoyed reading about Elmo Mahoney's hobby, you may be sure other folks will be interested in reading about yours. So drop a line to the editor of Kansas Farmer—include pictures if you can—telling all about your hobby, how it started, what it has meant to you.—R. H. G.



"I add 6 feet to my stacks with my HIGH-REACH FARMHAND LOADER -plus PUSH-OFF"

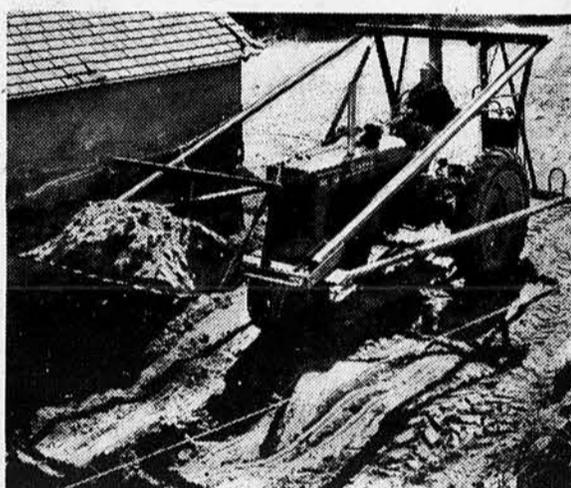
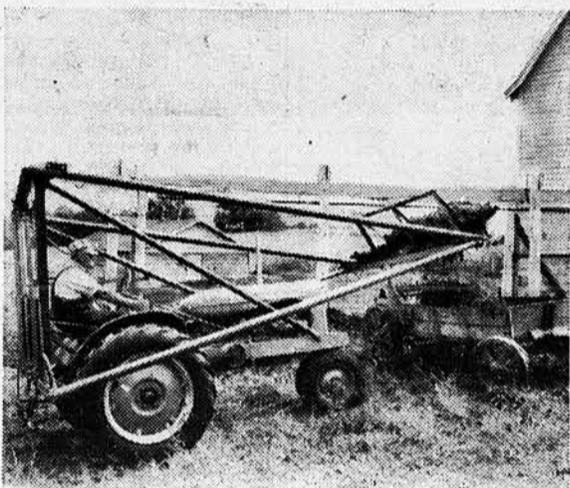
I'm getting better hay... with less spoilage, thanks to the new Push-off attachment that makes my FARMHAND Hydraulic Loader the high stacking champion of them all!



CAN YOU BEAT IT? The Push-off attachment adds 6 extra feet to the gigantic 21-foot reach of my FARMHAND Loader... gives me high, firm, rounded stacks that weather well and retain top quality. If you own a FARMHAND Loader, a Push-off on your hay basket will make your haying completely mechanized.

HYDRAULIC CONTROLLED! The Push-off fits on the hay basket easily... operates from its own control valve through the same hydraulic pressure system as your FARMHAND Loader. Pushes loads off ends of basket tines to center of the stack. Light aluminum construction. Folds flat... doesn't cut down basket capacity.

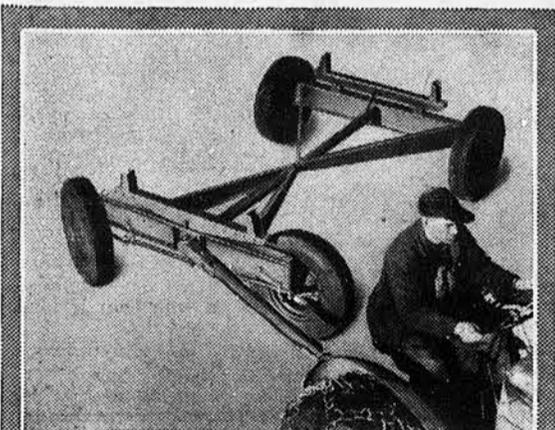
SAVES ME \$3.50 A TON in haying. My FARMHAND Loader with hay basket sweeps up windrows at speeds to 15 m.p.h. ... takes a half-ton at a time ... clears from 15 to 20 acres a day with no waste of time or labor. If you put up 20 tons or more of hay each year, as I do, you can't afford to be without a FARMHAND Loader!



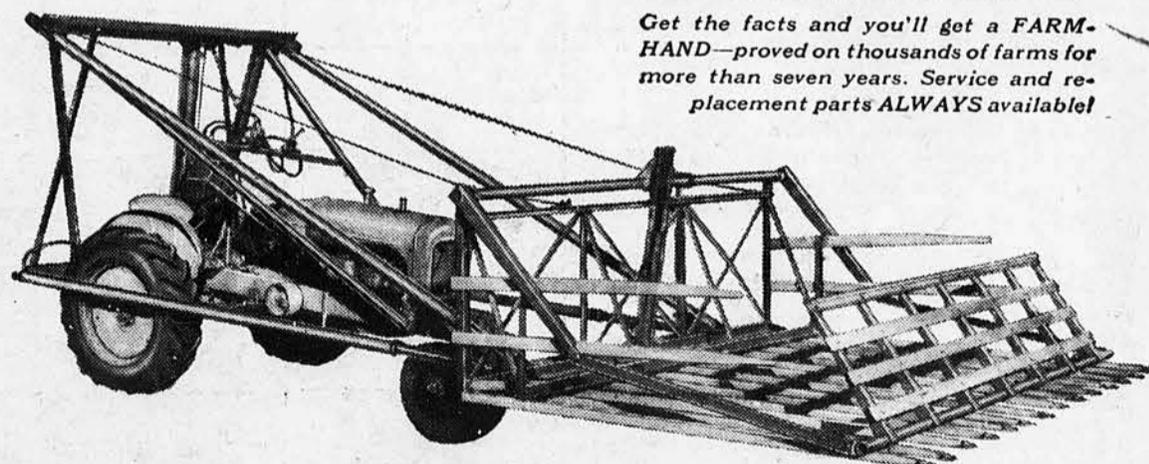
STACKS 5 TO 6 TONS PER HOUR... with no extra hired help needed! My FARMHAND Loader with Push-off makes haying practically a one-man operation. 27-foot reach (including Push-off) puts the hay where I want it. 3,000 lb. lift speeds the job. "Wrist Action" hydraulic control deposits loads gently, evenly, where I want them.

LOADS SPREADERS IN 3 MINUTES! Another big job I do quickly with my FARMHAND Loader. You'll never guess how handy and versatile this amazing loader can be until you see it in action on your own farm. It lifts and carries almost anything... hoists it higher... unloads it better than a crew of men.

DOES MORE THAN 50 FARM TASKS! Hoists sand and gravel... plows and scoops snow... moves earth... carries wood... pulls fence posts and well rods... lifts huge rocks... hauls pipe, poles, machinery and bulky loads... stacks lumber... provides sturdy scaffold for painting and repairing. A year-around farm necessity!



URNS ON A DIME! Another "first" from the FARMHAND Folks, this wonderful FARMHAND "90" Wagon actually makes full 90° angle turns with full 4-point support under load... and without tilting, skidding or backing up! Ask your FARMHAND Dealer to prove it to you... and to show you all the other exciting new features packed into this great wagon by the company that makes good ideas work!



See your FARMHAND dealer!

Get the facts and you'll get a FARMHAND—proved on thousands of farms for more than seven years. Service and replacement parts ALWAYS available!

Farmhand



HYDRAULIC LOADER

designed by a farmer, built for farmers by

SUPERIOR SEPARATOR COMPANY • HOPKINS, MINNESOTA • Farm Machinery Specialists



Now is the
time to order
your—

EMBRO 49

HYBRID SEED CORN

Plant Kansas grown Embro 49, the outstanding Hybrid for Kansas. Seed grown in Kansas for Kansas farmers.

EMBRO 49, the all-purpose hybrid; high yielding; adapted to both bottomland and upland; tall, rugged stalks; good standability; resistant to drought and insects; large ears; 115 to 120 days maturity.

Plant Embro 49 this year and enjoy the extra yield that means extra profit.

Other quality hybrids

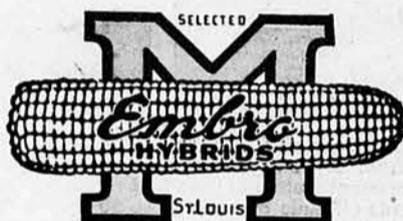
Embro 36—fertile soils

Embro 95—early maturing

Embro 1001—for ensilage

Embro 155W White—all soils

Write our nearest office for an Embro catalog. If you have not grown Embro 49, request a free one-acre sample. Plant this sample as a check plot in your cornfield and see the difference.



ED. F. MANGELSDORF & BRO., Inc.

1020 S. Fourth St.
St. Louis 4, Mo.

P. O. Box 274
Atchison, Kan.

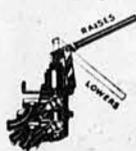
More Production AT LESS COST

with these Earthmaster advantages



With the **Earthmaster Speedi-Hitch** all you do is remove two pins to change rear-mounted hydraulic controlled implements. No more than a minute to attach spring tooth cultivator, disc, planters and many others.

Earthmaster Duomatic Hydraulic System gives you positive, continuous control.



Power is available whenever engine is running, regardless of position of clutch or gears. Two implements can be operated separately or in unison. This hydraulic control raises, lowers, holds implement at proper depth under pressure if desired, or allows it to float and follow field contour—for the easiest handling ever seen on a farm tractor.

These are only two of the many outstanding features of Earthmaster's complete line of four tractor models and 56 hydraulic controlled implement combinations.

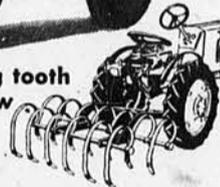
See them at your dealer or write Dept. 8-D

Earthmaster

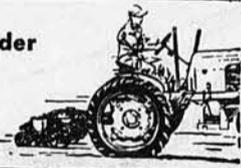
FARM EQUIPMENT

10777 Van Owen Street, Burbank, California

spring tooth
harrow



seeder



corn
planter



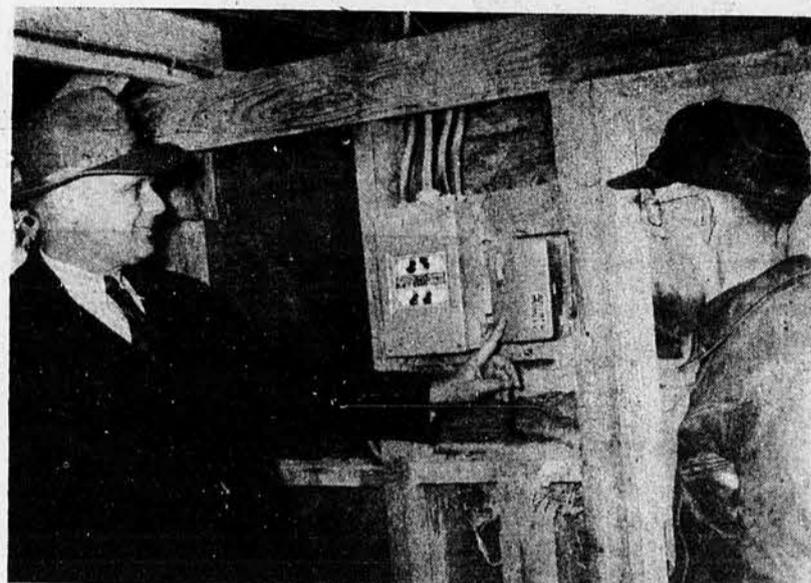
plow



FOR THE BEST
IN EARTH

Now That You Have Electricity

By CHARLES HOWES



Lee King, rural supervisor for the Kansas Gas and Electric Company, explains some of the workings of the timing switch recently installed on the J. O. Coombs & Son poultry farm, in Sedgwick county, to owner Coombs. The device turns the laying-house lights on and off automatically.

WITH the first warm days promising the inevitable return of summer in Kansas, the reminders about conditioning of electrical equipment for summer appear in the mails. We pass along a few of these as timely information to help obtain more efficient use of your appliances and equipment.

The first thought that comes to mind with approach of summer involves care of electric fans. It is hoped they were stored with some care, perhaps with a paper or cloth sack covering the blades and motor. In any event, oil the moving parts. Clean excess oil from the motor housing and wipe the fan blades thoroughly. Don't forget to put a drop of oil on the oscillating mechanism.

That furnace blower is due for some attention this spring, too. Bearing lubrication, attention to the motor, clean the filters, tightening the V-belt are among the suggestions that can be considered. This is especially necessary if the blower is used in the summer to help keep the house cool.

It is time to give some consideration to your refrigeration equipment, too. Some makes require annual attention, and it would be well to review your instruction leaflet on matters of cleaning and lubrication.

As a matter of fact, along with spring housecleaning, it might be wise to give all of the electrical equipment on the farm a thoro dusting and clean-

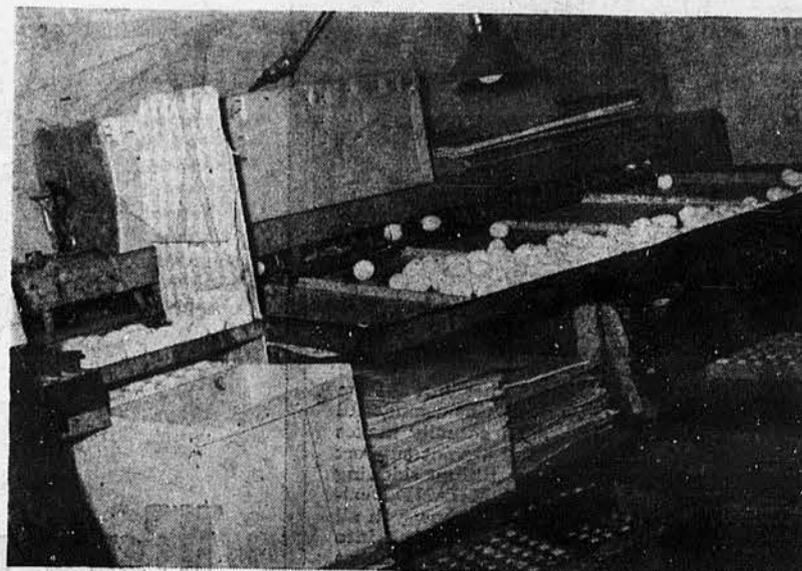
ing. Some units require no lubrication, others will need attention. The sweeper, clocks, water-pumping equipment, shop tools and many others deserve attention.

The writer saw electricity at work in the poultry business during a visit to the J. O. Coombs & Son farm, in Sedgwick county. Since installation of this power source in 1929, some 25 buildings have been wired, 5 all-electric incubators have been attached, an electric egg grader installed, feed is ground and mixed with electric power, water is heated electrically, and all operations from this source require between 4,000 and 13,000 KWH per month.

Mr. Coombs and son Eustace now are branching into the hybrid chick business. They produced a million Rocks and Leghorns in 1948 and are adding the hybrid business to this already extensive operation. They have a regular staff of 10 people which doubles during peak seasons when they ship to 48 states, Mexico and South America.

The farm keeps adding electrical equipment. Many of the battery houses are ventilated with electric fans, temperatures are controlled by electrically-operated thermostats, and most recently the laying house lighting has been turned on and off automatically by means of a timing switch. (See Cut.)

(Continued on Page 21)



The electric egg grader used on the Coombs farm, Sedgwick county. This device carries the eggs from left to right, the weight of each egg determining the point at which it is released to roll into its grade slot.

One major electric company promises to have on the market soon a stimulator to keep battery chemicals in storage batteries active even at the lowest temperatures. For automobiles, the device will hang from the steering column. One line will be inserted into the cigar lighter outlet, the other line will plug into any 110-volt circuit. It is said that the item will keep the battery's starting power at summertime efficiency.

Incidentally a battery charger now is available that has been designed especially for farm and home use. It is portable, and will perform its function without removal of the battery from the car, truck or tractor. The type designed for farm use will recharge the average battery in 12 hours or less. If this high-charging rate is not required, a type that acts over a period of 24 hours also is manufactured. Both types are on the market in hardware, automotive supply and farm equipment stores.

It is reported that a growing number of automatic defrosters for refriger-

ators are appearing. This item has the advantage of determining when a unit needs defrosting, then of controlling the process, and then of returning the refrigerator to active service again.

Getting back to electric fans, attention was called the other day to the many types that are available in addition to the old stand-bys, desk and pedestal fans. Now there are floor circulators, window ventilators, kitchen fans, and attic fans. Attic fans also can be installed in the basement, we understand, to perform the same home-cooling job.

This electrically-heated hotbed idea is getting a lot of acceptance this spring. One report from an active user starts with a 13- by 60-foot enclosure. A straw base is covered by a topsoil layer which is replaced just before replanting in the spring. The electric heating cable is laid in rows about 9 inches apart with a thermostat control for each bed. The results are an assured source of seedlings for spring planting. Germination is high, say the experts, and the plants are uniform in size and vigor.

Strawberries Have Paid For 52 Years

By JAMES SENTER BRAZELTON

HERMAN THEDEN, of Bonner Springs, is not a preacher. Yet he claims to have brought more people to their knees than any evangelist who ever lived. He did this, not by persuasion or by exhorting sinners to hit the sawdust trail, but by providing strawberry patches in which folks could kneel on the soft straw and pick luscious, red berries.

Mr. Theden did this not just one year but for 52 years. He has been providing strawberry patches where the town-people and neighbors could labor and make themselves some money. Prices paid for strawberry picking have varied considerably during the years, for Mr. Theden says he has paid as little as 2 cents and as much as 7 cents a quart for picking.

There will be 5 acres of strawberries to harvest on the Theden farm this summer. A 2-acre patch on this farm yielded \$2,000 worth of berries in 1947 and more than \$2,500 worth in 1948. Mr. Theden says this is the most money he has ever received from a 2-acre patch in 60 years. This veteran grower, who has been selling strawberries since 1896, has sold them as low as \$1 a crate. The highest price received was in 1947 when they brought \$10 and \$12 a crate.

"Before we had paved roads," says Mr. Theden, "we depended mostly on the express to ship our berries to market. Now we market them locally."

Very Strong Demand

Mr. Theden thinks this arrangement is very satisfactory. The only trouble, he is not able to produce all they can sell. Formerly 75 per cent of the commercial plantings in Mr. Theden's district were Aroma. Now the plantings are mostly of the Blakemore variety. This strawberry is highly praised by Mr. Theden, who says it makes fine foliage and stands dry weather well.

Other merits he mentions is Blakemore's very strong root growth; it does not get soft in wet weather; it is very easy to pick; the berry is medium in size, of good color and carries well in

shipping. Mr. Theden claims leaf rollers do not seem to like it very well.

I doubt whether you would find one strawberry grower in all of Northeast Kansas who would agree with Mr. Theden in his esteem of the Blakemore. All who have tried this variety in Doniphan county have discarded it because it does not compare to Premier, the old stand-by here. In this section Blakemore is subject to all the ills in the book. Its chief undesirable quality here is its tendency to make a luxuriant growth of plants and few berries. Another of its faults is its susceptibility to yellows disease.

On the Theden farm the matted row system is used with the plants spaced 18 inches apart and the rows 45 to 48 inches wide. They have found it a mistake to have the rows too narrow as a good space is needed in picking and also for cultivating and for renewing the patch for the 2nd and 3rd crop.

Now Uses Fertilizer

Only recently has Mr. Theden begun the use of commercial fertilizer. He applies this in the spring on the new plantings. On the renewal patches he puts the fertilizer on as soon as growth starts after the patches have been mowed and plowed. He uses 200 pounds to the acre on the first applications. In late September he applies about 300 pounds an acre.

For mulch Mr. Theden uses straw stockyard manure. He likes it because it does not blow like straw and oats coming up and overrunning the patches. This stockyard straw manure is applied at the rate of about 20 tons to the acre. It is not put on until after the ground is frozen and is left until after the picking is over when it is incorporated into the soil.

Herman Theden came from Europe as an emigrant boy, landed in this country without money, little knowledge of the English language and no job. Today Mr. Theden owns a modern home and some of the best farm land in the Kaw river valley only a short distance west from Kansas City. He began growing strawberries in the spring of 1895 when he received 500 plants as a wedding present from his employer. This small patch did so well he planted about 1/2-acre more the next year, and kept enlarging the plantings for several years until 1900 when he moved to his present home.

They have never had a total crop failure on the Theden farm, altho they had some short crops in the dry years. In some years they have picked as many as 50 to 75 crates a day. One day in 1902 they had more than 100 crates which is the largest picking they ever had.

Mr. Theden, one of the Master Farmers of Kansas, believes in diversified farming. He is a leading potato grower. He grows annually 35 to 40 acres of sweet potatoes. He has a storage building especially constructed to keep sweet potatoes over winter.

"There's more smoking comfort and pleasure in every pipeful of P.A."

—says BILL KAMPFE



R. J. Reynolds Tobacco Co., Winston-Salem, N. C.

"For real, tongue-easy smoking joy, there's no other tobacco like rich-tasting Prince Albert," says Bill Kampfe. Yes! Prince Albert's choice, crimp cut tobacco is specially treated to insure against tongue bite.

MORE MEN SMOKE

Prince Albert

THAN ANY OTHER TOBACCO

THE NATIONAL JOY SMOKE

TUNE IN "Grand Ole Opry",
Saturday Nights on NBC

THE NEW
HUMIDOR TOP
LOCKS IN
THE FRESHNESS
AND FLAVOR



PORTABLE WELDERS

THIS TRACTOR-POWER D. C. WELDER challenges any 200-Amp. welder on performance. Price and Portability. Weld the break where it happens easily quickly. Outfit includes high and low amp. taps, two 10-lb. leads, insulated electrode holder, ground clamp, hood. Write for New Folder; see your dealer.
FARM POWER MFG. CO.
Columbia, Mo., Dak.

NEW OAT HULLER and CORN CRACKER

GOLD NUGGET OAT HULLER hulls 40 to 60 bu. per hr. 4 to 6 H.P. Gracks corn—2 grades, wheat, beans, barley, etc. Get double value. Grow quick birds and muskets on all livestock and poultry. LOW PRICE. Write for circular "Road to Profit or Road to Loss." (Why waste your oat and corn crop?) Process it yourself better at lower cost.
WM. GALLOWAY & SONS CO.
(ORIGINAL)
Waterloo, Iowa



"My mother was sick this morning, so I fixed my own lunch."



Photograph by Hub Gallup

Dress Rehearsal

By Pat Salisbury

WHY, oh, why, do they act that way, just when we especially want them to be good?" I wailed to my husband. Doctor and Mrs. Brown, a childless and dignified couple, had come to call, and the children behaved dreadfully. Suzanne talked loudly and laughed raucously, Wendy spilled ice cream on Mrs. Brown's immaculate dress. They turned their phonograph on full blast, and teased baby sister until she screamed. By the time the Browns made their premature departure, I was on the verge of tears.

Are children deliberately naughty at such times? After we calmed down a bit, we decided they aren't. Suzanne and Wendy love to please us . . . they thrive on our approval like kittens on cream. Our girls simply didn't know what was expected of them. They wanted to entertain the company, and "showing off" was the only way they knew.

That unhappy day is history now, and things are different at our house. Having company is fun for us . . . fun for the children and a good deal easier on the guests! And the solution is so simple we wonder that we didn't think of it sooner.

A day or two before we're to have guests, we have our "dress rehearsal." Suzanne and Wendy are thrilled, for they love to play act. Mother and daddy stand in as The Company, while they debate whether to say "hello" or "how do you do," and practice shaking hands. They take our

hats, show us where to lay our coats, and find comfortable chairs in the living room. They decide they will pass the dishes of mints and nuts, but maybe mother had better carry the "spilly" things. We suggest a few things that grownups and children might talk about together. And to provide an acceptable outlet for that "show off" impulse, we agree that Suzanne may read one

Appreciation

I like the Monday morning wash
Hung in the wind to dry,
Where rainbow colors whip the air
In silhouette of sky.

I like the sound of batter spoon
When stirring homemade bread,
The sight of cake that's turned to cool
Before the icing's spread.

I like the twinkle in kids' eyes
When story hour is near,
And firm requests for special tales
These little ones hold dear.

I like the small delightful things
That pattern twilight hours,
The whippoorwills, the fireflies' glow,
The scent of dew-damp flowers.

—By Mary Holman Grimes.



Homemaking

By Florence McKinney

short story from her first-grade reader, and Wendy may sing her new Circus Song, before they tiptoe quietly off to bed.

If the guests are to come in the daytime, and bring their own children, there are different problems. We discuss the children's names and ages, and what toys they would probably enjoy most. We remember they may feel a bit shy and strange, and think of things to do to make them feel at home. Our home is small, so if there will be more than one young guest, we think of ways to reduce the noise. Perhaps Wendy could take Jimmie in the basement to swing and roller skate, while Suzanne and Janet play with dolls in the nursery. And, of course, we plan an extra-special tea party.

Yes, all this takes time, and it takes trouble. But we feel it's worth it to have an uninterrupted visit with our friends, and to hear that music to a parent's ears . . . "What well-behaved children you have."

There are more important results, too. Like most parents, we want our children to be socially acceptable. We want them to be poised and confident in any situation. We hope, too, they will be kind, friendly people, sensitive to the needs of those around them. We think these early experiences with hospitality are helping them develop these qualities. Already, they display the self-assurance which comes from knowing exactly the right thing to do and say. And their concern with the comfort of our guests is teaching them thoughtfulness.

The usefulness of rehearsals isn't confined to preparing for guests, either. As time goes on, we find it has almost unlimited possibilities for making new experiences an adventure instead of an ordeal.

There are these endless visits to the doctor for shots and checkups which often prove terrifying to a small child. The white uniforms, the many instruments and the smell of medicine are frightening and strange, no matter how gentle the doctor may be. We decided that familiarity might dispel this fear, so we bought the girls small doctor and nurse kits. They contain starchy white caps and aprons, make-believe thermometers and stethoscopes, some sugar pills and lots of gauze and band-aids. With their dolls as patients, Suzanne and Wendy bustle around taking temperatures, bandaging wounds and giving shots. Even tiny Melissa thinks it is a wonderful game.

Overnight trips are another occasion when a little advance rehearsal can save wear and tear on parental nerves and make things more fun for the children. A train trip especially provides wonderful material for a rehearsal. The children can pretend to be the redcap, the porter, the conductor and the dining-car waiter and learn what these people do to make them comfortable.

You can discuss the things we don't do on trains like talking loudly and running up and down the aisles. Then take time to discuss the things it will be fun to do like looking at the scenery, reading new storybooks and eating in the diner. Explaining how the seats will be made into berths, how the train jiggles, how the porter and the waiter will probably have dark skins, can save loud and possibly embarrassing comments on these subjects. An airplane trip or a stay in a hotel can be rehearsed with equal success.

Some experiences don't lend themselves well to rehearsals, of course, and sometimes busy parents just can't spare the time for it. But before you launch your children on any new experience . . . the first day of school, a birthday party, dinner in a restaurant, or a stay in the hospital . . . at least brief them on what they may expect, and what will be expected of them. Our grown-up world with its grown-up rules is pretty confusing to our children. Anything we can do to smooth the way for them, and at the same time make our own busy lives run more smoothly, is worth the effort.

*Of course you
can have a*

SERVEL

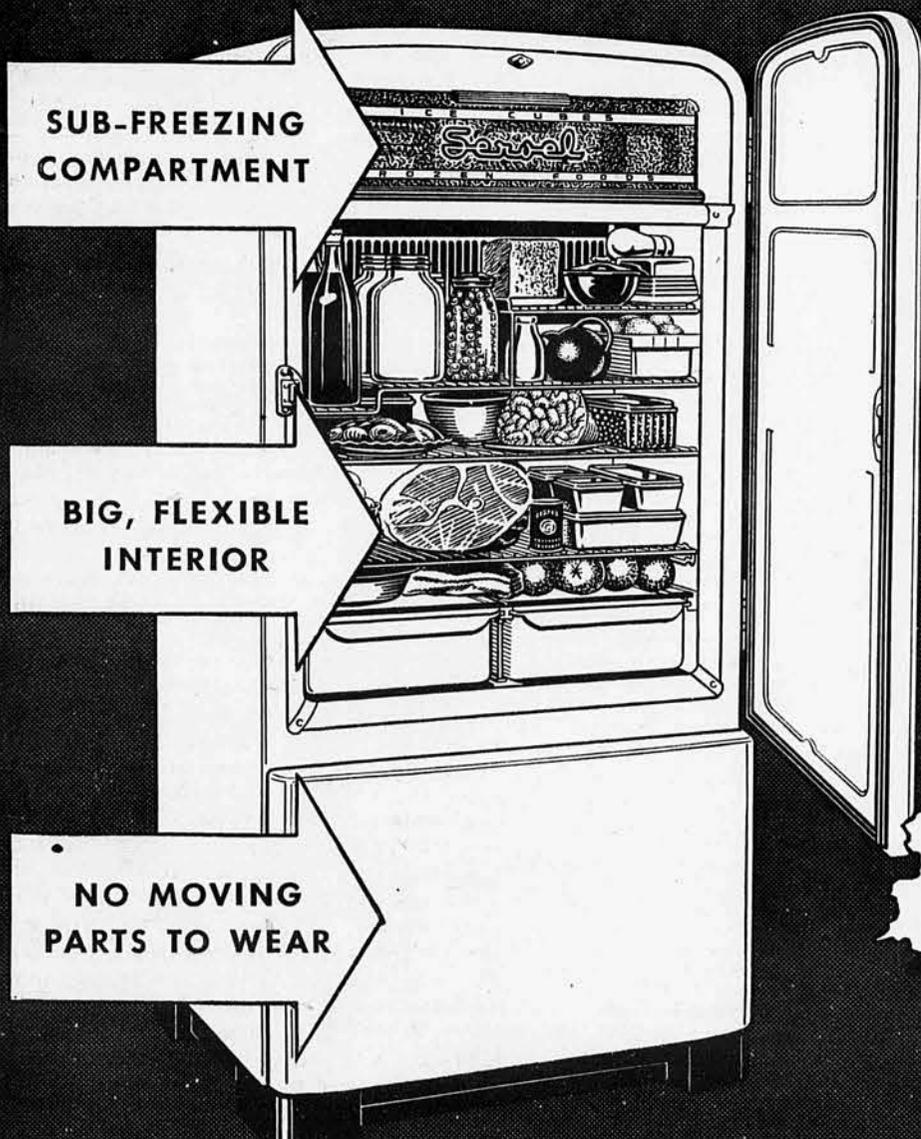
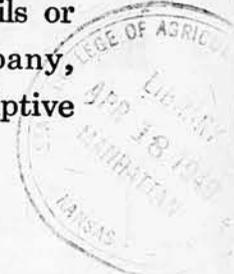
KEROSENE REFRIGERATOR

YOU DON'T NEED
ELECTRICITY!



WHAT A JOY and pleasure for any housewife's kitchen! This big, roomy Servel brings you the joy of properly refrigerated food . . . even things as big as roasts and watermelons! Lots of ice cubes and space for frozen foods, too.

And there aren't any moving parts to break down or get noisy! A tiny, economical kerosene flame does all the work! Come in and get full details or write Phillips Petroleum Company, Bartlesville, Oklahoma, for descriptive literature.



MODEL W-803A



**Available at your
Phillips 66 Dealer's**

Good together—for dessert



Fig Tapioca

RECIPE: Mix $\frac{1}{2}$ cup tapioca, $\frac{1}{2}$ cup sugar, $\frac{1}{4}$ tsp. salt, add to 2 cups rapidly boiling water. Stir over low heat about 5 min. until tapioca is clear. Cool 15 min., add grated rind and juice of 1 lemon. Fold in 1 cup coarsely chopped dried figs, scalded, $\frac{1}{2}$ cup coarsely cut walnuts. Mix well, chill and serve with whipped cream.

Fragrant Coffee

Here's flavor and freshness that keep the cups coming back! Hills Bros. Coffee is richly satisfying... thanks to the skillful blending of the world's finest coffees... and to "Controlled Roasting." This exclusive Hills Bros. process roasts the blend a little at a time—continuously—for uniform perfection. Every pound of Hills Bros. Coffee is exactly the same, and it's vacuum-packed, for utmost freshness.

2 GRINDS

✓ Regular Grind
✓ Drip and Glass-Maker Grind



Everybody likes
Hills Bros Coffee

FREE 28-page booklet, "The Art of Coffee-Making." Write to Hills Bros. Coffee, Inc., San Francisco 19.

Trademarks Reg. U.S. Pat. Off.

Copyright 1949—Hills Bros. Coffee, Inc.

The Recipe Corner



With molasses for sweetening this spiced pudding advertises itself.

A NEW treat is in store for those who have never eaten steamed pudding topped with ice cream. The flavor combination is delightful and there is the added advantage that ice cream is easy to serve.

The pudding may be made in advance and reheated in a steamer just before serving.

Pudding a La Mode

2 cups flour	1 teaspoon cinnamon
$\frac{3}{4}$ teaspoon salt	1 teaspoon ground cloves
1 teaspoon soda	$\frac{1}{2}$ teaspoon nutmeg
1 cup coarsely ground suet	2 eggs, well beaten
$1\frac{1}{2}$ cups seedless raisins	1 cup milk
$\frac{1}{2}$ cup chopped nuts	1 cup molasses

Sift flour, salt and soda together. Combine remaining ingredients and add to flour mixture. Blend thoroughly and pour into a well-greased 2-quart pudding mold. Cover tightly with a lid or waxed paper. Steam for $1\frac{1}{2}$ hours. Serve topped with ice cream. This will serve from 8 to 10.

Carrot Marmalade

With carrots and oranges so plentiful in the stores this spring, try combining them for a delightful new marmalade.

2 cups ground raw carrots	2 lemons
1 orange	$4\frac{1}{2}$ cups sugar
	3 cups water

Squeeze the orange and lemon. Then

grind the rinds and cook in enough water to cover until tender. Add the ground carrot and cook until tender. Add the orange and lemon juice. Measure the volume and add an equal quantity of water, about 3 cups. For each cup of this mixture, add $\frac{1}{2}$ cup of sugar, which will amount to about $4\frac{1}{2}$ cups of sugar. Boil to the jelly test, about an hour. Pour into jelly glasses or jars. Cover with paraffin if it is not to be used at once.

Pot Roast With Rice

3 pounds beef salt and pepper flour	3 tablespoons drippings
2 tablespoons fat	3 tablespoons flour
1 onion, diced	2 cups tomato juice
$\frac{1}{2}$ cup water	$\frac{1}{2}$ teaspoon celery salt

Cut meat into serving pieces. Season with salt and pepper, dip in flour and brown in hot fat in heavy frying pan. Add onion and water. Cover and simmer until meat is tender. Add more liquid when needed. To make gravy, remove meat and pour off drippings. Skim off fat. Measure 3 tablespoons fat and return to skillet. Slowly stir in 3 tablespoons flour and cook about 3 minutes. Slowly add meat broth and tomato juice, stirring constantly. Add celery salt and simmer a few minutes.

Make Rice Mold

To make rice mold, combine 6 cups hot cooked rice, 1 can hot mushroom soup and $\frac{1}{4}$ cup sliced olives. Pack into a hot mold. Unmold in middle of platter and surround with beef pot roast and gravy.

News to You?

TO REMOVE a water spot, first try rubbing it out with fingernail or edge of a coin, or simply between the hands. This is especially good on crepe weaves. After the rub, press the whole garment with slightly damp tissue paper or press cloth.

Use a damp sponge to remove dog and cat hairs from upholstered furniture. The sponge also will take some lint and dust.

When sprinkling garments for ironing, fold them loosely, never in tight bundles. Tight rolling increases the number of wrinkles to be ironed out. Moisture does not evaporate more rapidly from a loosely folded garment, if covered well with a thick Turkish towel.

To gather up tiny bits of broken glass without danger to fingers, use crumpled, moistened tissue paper.

Mix crisp-fried, diced bacon with peanut butter and spread on bread. Use peanut butter as a variation in muffins and biscuits by adding as much as 2 tablespoons to your regular recipe. It's a new taste treat.

If your kitchen sink is too low and you can't do anything about it right now, wash dishes with a dish mop. In fact, most cleaning and washing and waxing equipment will save energy if there are handles to prevent stooping and bending.

If you are investing this spring in new curtains, have a look at those made of nylon. They are easy to care for and

they wear well. Insects will not bother them and they are non-inflammable. Wash and rinse them as any other fine fabric and squeeze them without wringing or twisting. Just hang them on the line and press while either damp or dry with iron set at the right temperature for nylon.

Did you know that on the average each American eats 45 pounds less flour a year than they did 50 years ago? We have increased the amount of sugar enormously to a disadvantage. Otherwise our diet is better for we eat a wider variety of foods than our parents and grandparents.

It's nearing the time to check the pressure gauge on your pressure cooker. Take it to your home demonstration agent for testing. If it needs repairs, take it to the dealer, who will send it to the company.

Down south in Georgia, experiments are under way on sweet potato chips. There is every indication we may be able to buy them here some day if experiments work out well.

Is your junior high-school boy and girl getting enough to eat and the right foods? Studies recently made indicate the large majority do not eat enough and do not get enough vitamins B, C and iron. Even the school lunches prepared at school had the same dietary faults as those meals served at home. Plenty of green, leafy and yellow vegetables and more milk will improve their diets remarkably.

Homemaking

Sugar and Spice

A Shower for the Bride-to-Be

FROM the old rhyme, "Sugar and spice and everything nice," lay plans for a shower for the bride or bride-to-be. Make it a spicy shower.

The hostess provides a metal spice rack gift to fasten to a cupboard, or perhaps her husband can make a shelf to hold the varied spices. The hostess then asks her guests to bring their favorite recipes using spices and herbs and also a gift of the spices themselves. There's the well-known cinnamon, nutmeg, ginger, cloves, all-spice, mace, and anise seed but there are many herb combinations in most grocery stores these days. Include bay leaves for stews, curry powder, chili powder, celery seed, thyme, some sage, sweet marjoram, savory leaves, dill, some garlic powder or cloves and caraway seed.

For an afternoon or evening party refreshments may consist of a wedge of delicious spice cake topped with whipped cream. Serve coffee with it. If it is to be a luncheon serve the cake and coffee for dessert.

For entertainment try a spice quiz as follows:

1. Is ginger grown above the ground?
2. The dried flower bud of an evergreen tree growing on many islands of the East and West Indies produce a spice we use frequently. What is it?
3. A tree cultivated in Europe and found in favorable spots in England and the southern United States bears a leaf used for seasoning. It is used for soups, meats, sauces and pickles. It is a 3-letter word and the tree is mentioned in the Bible. What can it be?
4. What sweet aromatic herb is the

favorite with most everyone as flavoring in country sausage and turkey dressing?

5. What condiment is universally linked with hot-dogs made from the seeds of a certain herb?

6. This spice is the kernel of a fruit of an evergreen tree. One kernel when grated will flavor an endless number of apple pies, eggnogs, cakes and cookies. What is it?

7. The herb, tarragon, a native of Siberia, but now grown in the Midwest is used in what foods?

8. What spice is more commonly used, because it has the most popular flavor? It is made from the bark of a tree that bears its name. The bark is almost as thin as paper.

9. Many people insist on a certain seed for flavoring rye bread, some foreign cooks use it in cakes. What is it? Answers: 1. No, it is a root 2. clove 3. bay leaf 4. sage 5. mustard 6. nutmeg 7. vinegar, pickles, mustard 8. cinnamon 9. caraway.

If it seems suitable to try another bit of entertainment, the hostess may prepare a list of spices and herbs.

Riddle in Rhyme

Tho I haven't a mouth
My teeth are many,
I slick down your hair
And don't charge a penny.
What am I? (comb)

—By Mary Holman Grimes.

Then she asks each guest in turn to name 3 uses for the spice asked for. If anyone fails, she is out of the contest. The player who stays in to the last is the winner. For example: The hostess says, "give me 3 uses for mustard, culinary or otherwise." The player may answer, "as a mustard plaster, for salad dressing and on cold cuts." The next player may be asked about cloves and so on.

Sour Cream Sauce

Sour cream and tomatoes may still be in surplus at your house. If so, we offer the following scheme to utilize both. Sliced tomatoes, dipped in egg and crumbs and fried to a golden brown on both sides are extra good dressed up with sour cream sauce. After lifting the fried pieces to a hot platter, sprinkle a couple of tablespoons of flour over the fat left in the skillet, mix well, then pour in a cup or more of sour cream. Stir and cook slowly until thickened. Season with salt and pepper as desired. Then pour the hot sauce over the tomatoes on the platter and serve immediately.

Do It the Easy Way

As you know, flour always should be sifted before measuring when making a cake. Sift it into a sheet of waxed paper instead of a bowl as a time-saver. Use about a foot-square of paper for quick, easy and neat sifting. Then because flour slips off the waxed surface so easily, lift the paper and slide the flour back into the sifter for another sifting or into the measuring cup. Finally, the paper saves washing an extra bowl.

Mix the salad dressing in the salad bowl before adding the salad. That too, saves an extra dish and time.

Shaking in a paper bag is an easy and economical way of flouring or sugaring pieces of food. Use it for dusting doughnuts or fruit confections with sugar, or for flouring chopped nuts or dried fruit before mixing into cake batters.

Melt the fat for muffins or baked puddings in the baking pan to save

time and extra dishwashing. Start melting the fat, before measuring other ingredients so that it will be ready and the pan cool enough when the batter is ready.

That Cleaning Closet

If housecleaning gets you down, check up on the way your cleaning equipment is stored. Chances are that a well-organized cleaning closet will help make the job easier.

Ready-built cabinets may be purchased for this purpose. The man of the house may build one. But in either case, a large one is important... 7 feet high, 4 feet wide and 2½ feet deep is just about right.

The inside arrangement of this cleaning closet should be tailor-made to fit your equipment. Have several high shelves on one side for cleaning supplies, cloths and brushes. A deeper shelf near the bottom will be a good place to store the cleaning pail.

For storing big pieces such as the vacuum cleaner and carpet sweeper, leave one side completely free of shelves. And for hanging the broom and mops, but in some screws near the top of the closet. They can be placed underside of a high shelf or at the back of the closet near the top. The inside of the door is a good place for hanging the brushes with handles.

Jars for Thread

If spools of thread are kept in tall medicine or olive jars, the thread is always clean and untangled. This method also makes it easy to see the colors of thread on hand.—Mrs. Clark Walkins.

Use Cotton and Glue

When the hole the nail is in gets too large for the picture or mirror to be safe, dip cotton in glue and wrap it around nail before replacing it in the hole.—Mrs. O. W. T.

Prevents Tarnish

Silverware will be slow to tarnish if a small piece of camphor gum is placed in the silverware chest.—Mrs. Violet Topy.

Summer Pattern News



4766—Fascinating accessories added to this classic give you many dresses in one. It's kind to the budget. Sizes 12 to 20. Size 16 requires 3½ yards of 39-inch material.

4512—Here's an easy-to-sew house dress with princess lines that lend slimming flattery. Sizes 34 to 50. Size 36 requires 4½ yards of your 35-inch material.

9337—First a sundress... then a date-dress. Just button on the bow-tied cape. Sizes 12 to 20. Size 16 re-

quires 2¾ yards and 1¾ yards of contrasting 39-inch material.

4803—Sew this gay coverall now, wear it as a sundress later. Practical and pretty. Sizes 12 to 20. Size 16 requires 4¼ yards of 35-inch material. Transfer pattern included.

4760—Strawberry appliqued frock, ruffled petticoat and panties. Bonnet and sunsuit, too. Each item has one main pattern piece. Sizes 1, 2, 3, 4 years. Size 2 dress requires 1¼ yards; playsuit 1½ yards of 35-inch material.

Send 25 cents for each pattern to the Fashion Editor, Kansas Farmer, Topeka. Fifteen cents more for the Summer Pattern Book with a free pattern printed in the book.

"Best Chicks I EVER RAISED IN MY LIFE... thanks to FUNJOL"

Who would imagine it could make such a difference! Gone are the scum and the slime in the fountains! Chicks eat better, drink better, gain better, too. Less bowel trouble, less sickness... and smallest loss ever... That's what folks say, when they have used FUNJOL for starting their chicks.

IT'S BECAUSE FUNJOL SANITIZES THE WATER!

Yes, FUNJOL makes the water SANITARY... makes it SAFE for your baby chicks by reducing bacterial counts to SAFE levels. FUNJOL checks growth of bacteria that cause souring, and keeps down the scum and the slime. Takes drudgery out of keeping fountains clean. FUNJOL acts continually, against germs of fowl cholera, pullorum and some strains of fowl typhoid, in the drinking water. FUNJOL inhibits growth of the fungus *Monilia Albicans*, a common cause of mycosis. FUNJOL is a convenient liquid, palatable and easy to use. Just takes a teaspoonful to a quart of water, in any kind of fountain. Your chicks will do better... this year, and every year, when you start them on FUNJOL. Use it the first few weeks at least, for that's the most critical time. Get FUNJOL today at your hatchery, drug store, feed or supply dealer. 8-ounce, 75c; Pint, \$1.25; Quart, \$2.

FUNJOL

A Field-Proven, Laboratory-Controlled Product of THE GLAND-O-LAC COMPANY, Makers of Quality Poultry Medicines for More Than a Quarter of a Century... at Omaha, Nebraska.

WE PAY FOR YOUR BISCUITS

TRY K C Baking Powder. If you don't like it better than any other you've ever used, send us what's left in the can, telling us what you made with K C. We'll refund the purchase price of K C and your postage PLUS THE COST OF ALL INGREDIENTS you used for a cake or batch of biscuits. We KNOW you'll prefer K C or we wouldn't dare make this offer. Try K C and see!

KC



BAKING POWDER
Double Action

Preferred by so many women that we have had to build the newest, most modern baking powder plant in the world.

Made in the South

3% SAVE BY MAIL

Current Rate NOW — let your idle funds be earning a LIBERAL dividend • We've been paying at least 3% on savings for over 20 years.

United Offers You — SECURITY 3% DIVIDENDS AVAILABILITY

UNITED BUILDING AND LOAN ASSOCIATION

MAX A. NOBLE, President

Write Dept. 14 for Information

217 E. WILLIAM — WICHITA 2, KANS.

MOW-MASTER Mower

NEW 1949 MODEL

Cuts grass and weeds...fast! Mulches as it mows, no raking. Light weight. Fully-guarded cutting base. Powered by famous 2 H.P. POWER-PAK gasoline motor with silent-type muffler. Built for years of reliable service.



KNOLL LAWN EQUIPMENT COMPANY
2835 Burlingame Rd.
Topeka, Kansas

Send me free folder and name of nearest dealer

Name.....
Address.....
City and State.....

Homemaking

Our Films Are Reviewed

Board of 3 Study Movie Fare

THEY cannot change the plot of a movie story. They cannot alter one iota the policies of movie producers as to what is good—or not good—for Kansans to see on the picture-show screen. Nevertheless the Kansas Board of Motion Picture Review can and does alter our movie fare a bit.

In the office in Kansas City, Kan., 3 women spend hours every day viewing moving pictures, presumably all movies which are shown to us later. They admit a few undesirable films are slipped in, usually for one-night stands only, in an effort to avoid the censorship of the board members. Mrs. Marian Vaughn, the chairman, says Kansas is one of 6 states which have boards of motion-picture censors. Others are New York, Ohio, Virginia, Maryland and Pennsylvania. A considerable number of cities, large ones, have their own movie-review boards.

It seems that in 1927, following complaints of members of the Congress of Parents and Teachers and clubwomen, that this state board was established by law, to review films before they are released to theater operators in the state. Mothers and fathers thought that too many sensational pictures were being shown, pictures harmful to the welfare of their offspring.

Today, the affairs of this office are conducted close to what Mrs. Vaughn calls, "movie row," across the river in Missouri. Films from movie row, the representatives of the producers, are sent to the reviewing office. Mrs. Vaughn and her 2 assistants, Mrs. J. R. Stowers, of Kansas City, Kan., and Mrs. Harvey Hall, of Mission, sit in the miniature theater watching films flicker across the screen. Behind them 2 operators handle the skilled work of projecting the films on the screen, tagging them with the stamps of approval, cutting them where the board members designate.

With the exception of The March of Time and news reels, all films are viewed by this board, including westerns, serials and the cartoons. Almost never do they remove scenes from first-

grade films or westerns. Occasionally, companies will produce 2 versions of the same movie, what they call a "hot" version and the second the "cold" version, the former going to states without censorship boards.

In addition to the board of review who actually see the films, 2 other women, Mrs. Margaret Cloughley, of Kansas City, Kan., and Mrs. Bess Beebe, of Neodesha, are traveling inspectors. They have authority to check all films at all theaters. They see whether the films have the tag of approval and see whether all eliminations have been made. Advertisements in newspapers are watched closely to see whether uncensored films are to be shown. Occasionally, board members have found it necessary to seize uncensored films from operators within only a few miles of their office. Too, Mrs. Vaughn sometimes receives long-distance telephone calls from interested people, telling her that some undesirable films are to be shown in their communities. Following evidence of this sort, a member calls at the theaters and picks up the films in question.

The board prepares and mails lists to theater operators of all pictures reviewed by the board, also informing them exactly what action has been taken on each film. Despite the existence of the Motion Picture Producers' Association of America, headed by Eric Johnson, once well known as the Hays office, some motion-picture companies do not elect to pass their films thru that censorship. It is optional.

One feature of the operations of the Kansas Board of Review is especially interesting and gratifying to Kansas taxpayers. It is self-supporting, even more than that. The office space is provided by Kansas City. The moving-picture producer pays \$1 to the board for each reel reviewed. Ninety per cent of the total is used to pay the expenses of the board, the remaining 10 per cent goes into the general fund of the state treasury. No appropriation is made to finance this function of the state, which is a good way for boards to operate.

Books On Review

What Grandpa Laughed At

Homer Croy, a former Missouri farm boy, has done it again. Whenever he writes a book it never fails to amuse the reader. Heretofore, he has confined several of his best-selling books to aspects of farm life, the life he escaped from at an early age. This time in "What Grandpa Laughed At," he makes a survey of the jokes and funny stories from the time of the Chicago World's Fair in the Gay Nineties to the First World War.

Mr. Croy selected the best stories of each period, retells them and comments on them. Most of the jokes that amused Grandpa are very much alive today, still fresh and still acceptable. Some of them are no doubt immortal.

Here is a good reference book for the storyteller or the after-dinner speaker or the toastmaster. It is published by Duell, Sloan and Pearce Publishing Company, New York City. Price \$2.75.

Happy the Land

If you like to read at all, you will like this book. Louise Dickinson Rich, the author, several years ago, wrote "We Took to the Woods." "Happy the Land," is another book of joyous adventure in the heart of Maine.

Mrs. Rich, her husband Ralph and her children, Rufus and Dinah live in the woods among the lakes of Maine. She writes of their life at Forest Lodge and their second home, Pine Point, a beautiful camp on Lake Umbagog. There are occasional trips to the "outside," to Upton, one of Maine's loveliest villages.

Louise Rich is no hermit. Her days are crowded with all manner of activities, fighting a forest fire, hair-raising adventures in a speed boat, canoe trips, a visit on foot to the mysterious C Pond, entertaining guests from the "outside," helping the few neighbors.

All these she enjoys to the full, but best of all are the little things that make life satisfactory in the land she loves, a happy land.

Besides entertainment, it's packed full of information for the stay-at-home traveler. The descriptions of the break-up of the ice on the lakes, the life of the "sports," (tourists who come to fish and play), the management of a summer hotel, trips on foot thru the woods, the vagaries of the climate... all this makes fascinating reading. Happy the Land is published by J. B. Lippincott Company, Philadelphia and New York City. Price \$3.

How to Stop Worrying

Dale Carnegie, the author, is becoming well known for lighting the way for people who want to be happy and successful. "How to Stop Worrying and Start Living" is his 1948 contribution to his already published list of books. Mr. Carnegie gives some fundamental facts about what you should know about worry, how to break the habit before it breaks you, how to keep your energy and spirits high.

There are countless testimonials of people who have profited from Mr. Carnegie's recipe for a happier life. It is published by Simon and Schuster Publishing Company, New York City.

Freeze the Berries

If you are planning to freeze asparagus and berries, the Kansas State College Extension bulletin, "Freezer Storage of Food," will be a valuable pamphlet of reliable information on the subject. Please send for a free copy of the bulletin to Farm Service Editor, Kansas Farmer, Topeka. As the supply is limited, we suggest ordering early.

"—NO MORE UPSET STOMACH"

Do you suffer heartburn after meals?...feel lolly?...uncomfortable? Then read this heartening letter from a woman who found her way to better digestion and better health:



"Before switching to POSTUM, I suffered both indigestion and nervousness... But now my nerves are quieted and my digestion much improved. No more upset stomach after drinking POSTUM!"

SCIENTIFIC FACTS: Both coffee and tea contain caffeine, and caffeine is a drug which in many persons tends to produce harmful stomach acidity, as well as nervousness and sleepless nights. So while many people can drink coffee or tea without ill-effect, others can't—and this may mean YOU!

MAKE THIS TEST: Give up coffee—give up tea—drink POSTUM exclusively for 30 days—and judge by results! Remember: POSTUM contains no caffeine or other drug—nothing that can possibly cause indigestion, nervousness, sleeplessness! Ask your grocer today for INSTANT POSTUM—A Vigorous Drink made from Healthful Wheat and Bran. A Product of General Foods.

PROTECT BABY CHICKS
USE OLD RELIABLE FROM **El Vampiro** FROM LICE AND MITES
IN THE YELLOW BELLOW BOX
10¢ AT ALL DEALERS
ALLAIRE WOODWARD & CO. PEORIA, ILLINOIS

32 VOLT DC IRON

Three Speeds for Better Ironing

High, Medium and Low Heat. Order today! Enclose \$12.95, postpaid—or shipped C.O.D., you pay postage. 1 yr. guarantee!
HAINES MFG. CORP.
Minneapolis 2, Minnesota

LOW COST IRRIGATION HOSE

MADE OF CANVAS
Ideal for pump irrigation. Carries water over or around obstacles. Saves work... Lasts for years. Makes getting water where you want it, easy. Low Cost. Canvas dams also. Write for illustrated folder.
LINCOLN TENT & AWNING CO.
1616 O St., Lincoln, Nebr.

COMMON SENSE..

proved thousands upon thousands of times!
ALL-VEGETABLE LAXATIVE

NATURE'S REMEDY (NR) TABLETS—A purely vegetable laxative to relieve constipation without the usual griping, sickening, perturbing sensations, and does not cause a rash. Try NR—you will see the difference. Uncoated or candy coated—their action is dependable, thorough, yet gentle as millions of NR's have proved. Get a 25c box and use as directed.

Nature's Remedy NR TO-NIGHT TOMORROW ALRIGHT

FUSSY STOMACH?
RELIEF FOR ACID INDIGESTION, GAS AND HEARTBURN
TUMS FOR THE TUMMY!

Homemaking

The Poet's Corner

Choir Boy on Easter

Freshly scrubbed and rosy,
His short robe crisply white,
Now, this can't be the lad
That had dirty ears last night!

Small clean hands clasp hymnal,
His voice soars high and sweet,
Couldn't be the culprit
Tracked my floors with muddy feet!
—By Harriette Hill

Have a Worry?

If you have a worry,
If you have a woe,
Take it to the garden
Where green things grow.

Where green things grow
In swift upsurging,
Earth and heaven,
In greenness merging.

Watch troubles dwindle,
For worry is one
Thing that will never
Thrive in the sun.

—Author unknown.

Tree in Spring

The maple tree holds color now
That once was bare and stark,
For pastel green of lacy leaves
Accents the gray-toned bark.

The maple tree holds singing now
That once a silence knew,
For birds have come again to nest
And pattern life anew.

—By Mary Holman Grimes

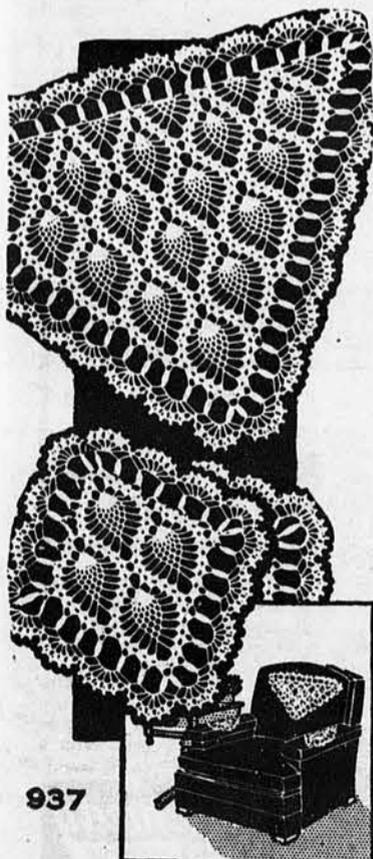
May Basket

May basket! May basket! rings the call
And I find at my own front door,
A basket of purple violets
And bright jelly beans galore!

I peer all around and wonder aloud,
"Now who could have been so sweet?"
Till surrender comes from the lilac
bush...

Why, it's the little girl up the street!
—By Mary Holman Grimes

New Chair-Set



937

Add a delightful flavor to your living room with this new pineapple crocheted chair-set. Easy and made all in one piece.

Send 20 cents for Pattern number 937 to the Needlework Editor, Kansas Farmer, Topeka.

Farm Wife's Philosophy

"Don't be ashamed of the chips in your shop... they show you've been working!"

My kitchen often is such a mess
With mud tracks on the floor
And wet coats hung up to drip and dry
On every chair and door.
There are always cookie crumbs around
And a cat and dog underfoot...
And tho I seldom leave my kitchen,
I just can't keep it neat.

There's flour on the breadboard
From rolling out a pie
And a cup of chicken fat I don't throw out,
And noodles hung to dry.
I never seem to see for long
The bottom of the sink.
But you can't hurt dishes by neglect,
And you can kids, I think.

And when company comes I blush in shame
And hurry to apologize,
Wishing I had a hole to crawl in...
'Twouldn't have to be much for size.
And when they're gone I sail right in
And get that kitchen slick...
And lay the law down to the family,
Without a hope of making it stick.

And when I am upsetter than a setting hen
I pull up with a jerk
WHY SHOULD I BE ASHAMED OF
THE CHIPS IN MY SHOP,
THEY SHOW I'VE BEEN AT WORK!
—By Elva Buskirk Dreibelbis

After the Rain

Muddy places must be made for wading
For making shoes, or boots up to your knees,
For squashing twixt the toes and splashing,
And spattering with a daring ease!

Muddy places, too, are made for making
Pies and cakes, with baking in the sun,
With old jar lids, containers for the mixture,
Oh, muddy places must be made for fun!
—By Mary Holman Grimes

For May Day

A new play that is suitable for May Day or Mother's Day has just been prepared and is ready for distribution to our readers. There are 4 characters—4 young girls and 2 scenes. Since the play is written in rhyme, it is quite effective and interesting. If you are planning a May Day entertainment, you will want to see this new play. Please address Entertainment Editor, Kansas Farmer, Topeka. Price 5c.

Outdoors to Learn

Why not plan some exploring trips around the yard and down the road with the very little folks? The things they learn to love and appreciate at that age will be loved and appreciated all their lives. Find which flowers are showing their faces first. Get a flower book and learn their names. Watch the birds and listen for their songs. Study the pets and livestock with their babies.

As little Ann grows older she will be able to name all the vegetable garden and flower garden plants. Her interest will spread to insects, stones and leaves with encouragement and interest shown by mother and father.

Instill in her a love of nature and help her to look about her so she may develop an appreciation for all the things which are a part of her life. Get out of doors for a broader vision.

Small-Equipment Care

Buy a small recipe box and in it keep the manufacturers' directions for repairing and care of all equipment. Keep the guarantees in this box with the date you purchased the equipment written on the guarantee. It's an aid when repairs are needed.

Cut Soap Costs 1/2

The Big White Bar Goes Twice As Far



Put Aside Expensive Flakes and Powders

Wash EVERYTHING with BLUE BARREL SOAP

• Heaps of Suds—Even in Hardest Water • Floors, Woodwork—Spotless in a Jiffy • Glassware Sparkles, Dishes Gleam • Clothes Come Whiter, Brighter—Faster

COMPARE BLUE BARREL with anything you've ever used—compare the COST—compare the RESULTS

Buy from KANSAS FARMER Advertisers For Practical Farming and Pleasant Living

FOR WOMEN (WHO BAKE AT HOME) ONLY

GOOD NEWS GETS AROUND

Advertisement for Fleischmann's yeast featuring a cartoon of women talking about the product's benefits. A package of yeast is shown at the bottom.

ISN'T FLEISCHMANN'S DRY YEAST A FAST-RISER!

YES—IT'S MADE EXTRA-ACTIVE

YOU CAN KEEP A BIG SUPPLY ON HAND

BAKES LIGHTER, TOO!

IT STAYS STRONG LONGER

YES—IT'S ALL PURE YEAST. CONTAINS NO FILLER WHATSOEVER

LOOK! buy 3 packages at a time—keeps on the pantry shelf. No refrigeration needed!

3 times as many women prefer FLEISCHMANN'S YEAST

Visit Fields of Fun... when Work is Done



Plan Your Trip NOW—
for profit and pleasure!

Successful farmers plan for the future, and now is the time to be thinking about that trip you'll be taking when farm work permits. You'll discover a Greyhound trip is both profitable and pleasurable.

You see agricultural improvements in other states which

may be put into practice on your own farm. The whole family returns home refreshed, happier . . . and the cost is surprisingly low!

When you do go—go Greyhound . . . still the biggest bargain in transportation!

ENJOY AN AMAZING AMERICA TOUR

For truly carefree travel, let us plan your trip—arranging for hotels, transportation, sightseeing. No extra charge! Mail the coupon today.

THERE ARE NO LOWER FARES



FREE FOLDER! . . .

For colorful folder describing Amazing America Tours, mail this coupon to:
GREYHOUND TRAVEL BUREAU
917 McGee Street
Kansas City 6, Missouri



Name _____

Address _____

City and State _____

(KF)

THE MODERN LOOK FOR YOUR FARM

Keep your farm lots and lawns perfectly groomed with a new, all-purpose B-M POWER MOWER. Self-propelled or light push type. Rotary blade in sizes from 18 to 22 inches. Lifetime construction. Powerful, dependable 1 1/2 h.p. 4-cycle engine. Use also as handy, portable unit for numerous power jobs about the farm. Write for FREE literature and Low Factory Prices.

Model D-3
B-M MOWER CO., Box 66-KF, Blue Mound, Kansas

FULLY GUARANTEED
PROMPT SHIPMENT

TONGUE-LOCK DIAMOND TOP Concrete Stave Silos

Longest possible service with the least possible worry and trouble are the big features you will enjoy in your McPHERSON TONGUE-LOCK DIAMOND TOP CONCRETE STAVE SILO. You also have our 37 years of experience to assure you of a better silo. Contract now for a McPherson silo for future delivery.

MCPHERSON CONCRETE PRODUCTS CO.
904-1126 W. Euclid St.
MCPHERSON, KANSAS

Do you suffer distress from 'periodic' FEMALE WEAKNESS

With Its Nervous, Highstrung Feelings?

Are you troubled by distress of female functional monthly disturbances? Does it make you feel so nervous, cranky, restless, weak, a bit moody—at such times? Then do try Lydia E. Pinkham's Vegetable Compound to relieve such symptoms! Women by the thousands have reported remarkable benefits.

Pinkham's Compound is what Doctors call a uterine sedative. It has a grand soothing effect on one of woman's most important organs. Taken regularly—Pinkham's Compound helps build up resistance against such distress. It's ALSO a great stomachic tonic! All drugstores.

Monthly Female Pains

Pinkham's Compound is very effective to relieve monthly cramps, headache, backache, —when due to female functional monthly disturbances.

Change of Life
If the functional 'middle-age' period peculiar to women makes you suffer from hot flashes, weak, highstrung, irritable feelings—try Pinkham's Compound to relieve such symptoms. It's famous for this purpose.

Lydia E. Pinkham's VEGETABLE COMPOUND

Cooperative Council Meets In Topeka, May 2

THE fifth annual meeting of the Kansas Cooperative Council will be held in the Roof garden of the Hotel Kansan, Topeka, on May 2, 1949. The Council was organized 5 years ago, sponsored by the 3 farm organizations and the co-operative regionals. Later the local co-operatives were asked to become co-members.

In reality, the Kansas Cooperative Council has represented all phases of the co-operative enterprise in Kansas, and has been a co-ordinating agency with special emphasis upon the public relations point of view, which included information, research, and legislation. It has worked closely with the Committee of Farm Organizations.

The convention program on May 2 is a very strong one, officials point out. After the business session in the morning, the main speaker of the forenoon will be Roy Hendrickson, Washington representative of the National Federation of Grain Cooperatives, Washington, D. C. Mr. Hendrickson will speak on "The Cooperative Economy," and also will be a member of the panel.

In the afternoon, beginning at 2 o'clock, there will be a national panel, composed of the following men representing the various phases of the co-operatives on the national level:

Karl D. Butler, president, American Institute of Cooperation, Washington, D. C.

John Davis, executive secretary, National Council of Farmer Cooperatives, Washington, D. C.

R. L. Farrington, co-operative bank commissioner, Farm Credit Administration, Washington, D. C.

Roy Hendrickson, Washington representative, National Federation of Grain Cooperatives, Washington, D. C.

Henry L. Peterson, manager, Kansas Credit Union League, Dodge City.

Phillip Voltz, assistant head of co-operative education, Rural Electrification Administration, Washington, D. C.

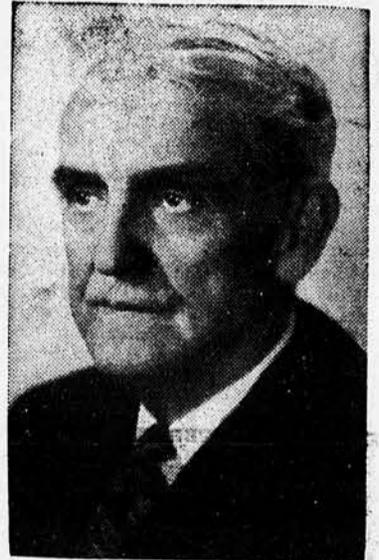
Jerry Voorhis, executive secretary, Cooperative League, U. S. A., Chicago, Ill.

Virtually the entire afternoon will be devoted to the panel, and it will be outstanding in its presentation of the facts regarding co-operatives and their place in the years that lie ahead.

Honor Senator Capper

The evening session will be built around Senator Arthur Capper and will be called the "Capper Cooperative Banquet." Phil Gibson, president of the Topeka Chamber of Commerce, will bring greetings. There will be an introductory statement by Secretary C. A. Richard, of the Council. Ralph Snyder, former president, Wichita Bank for Cooperatives, will give a brief resume of the Capper co-operative achievements, and Howard A. Cowden, president of the Consumers' Cooperative Association, Kansas City, Mo., will present the award. Senator Capper will give a response, and then greetings and introduction of the speaker of the evening will be given by Governor Frank Carlson. The evening address will be on "This Cooperative Era," by Jerry Voorhis, Chicago.

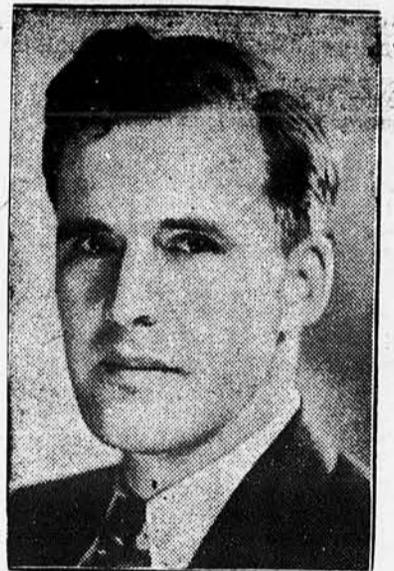
Without any doubt this will be an outstanding meeting, not only for the co-operatives, but for the state as a whole, according to Secretary Richards.



Senator Arthur Capper



Roy Hendrickson



Jerry Voorhis



Henry L. Peterson



John Davis

Can Salt Poison Pigs?

By DR. G. BOHSTEDT, Chairman
Department of Animal Husbandry, University of Wisconsin

ONE hears at times about pigs becoming sick or dying as a result of having consumed excessive amounts of salty whey or meat-flavored salty brine. The whey may represent the undiluted last drippings from the cheese curd which drippings may be collected in an empty tank and taken home by a farmer patron of the cheese factory. The salty brine obviously would be the discard from salt-cured meat.

Salt by itself has no poisonous properties. Thus chickens at the Illinois Experiment Station were gradually brought up to eating a mash having 8 per cent salt. At the Ohio Experiment Station chickens were gradually accustomed to a mash that contained as much as 20 per cent salt. In both cases the birds drank large amounts of water and, as may be imagined, this salt and water combination had a laxative effect on the birds. But they were not "poisoned" by the salt.

However, if pigs that ordinarily are slop-fed and that on becoming very hungry or thirsty should all at once be exposed to slop made with heavily salted whey, or, on the other hand, be exposed to palatable meat-flavored brine, it is conceivable that they might in that way consume too much salt. The sudden excessive concentration of salt in the stomachs and intestines of pigs might have a highly irritating effect upon the lining of these digestive organs. It might also bring about dehydration, or a sudden removal of water from delicate tissues including the blood, thus perhaps accounting for the reported death losses.

Pigs would need to be quite hungry or thirsty and would need to be used to a great deal of competition at the trough, in order to prompt them to gulp excessive quantities of the salty liquids before stopping, in which case it may be too late. Samples of salty whey have been mailed to the Wisconsin Department of Agriculture and to the Wisconsin Agricultural Experiment Station, that had a salt content of 1.5 to 2.0 per cent, and therefore contained almost as much salt as in sea water.

Pigs Never Obligated

The Wisconsin Experiment Station has repeatedly tried to kill pigs by feeding salty whey, but without success in "salt poisoning" them. The pigs never obligated by drinking excessive amounts. After tasting the heavily salted whey or heavily salted slop, they simply stopped drinking. The pigs did this despite the fact they had been deprived of salt in their rations for months at a time. They were definitely salt-hungry but never indulged to excess in the slop, or the whey, that had such a high salt content. Perhaps competition for limited space at the trough was not severe enough in these cases. When it comes to feeding dry salt to

pigs that have been starved for this mineral for months, neither the Indiana nor Wisconsin Experiment Station workers have been able to injure, let alone kill, pigs when these salt-starved animals were all at once given free-choice access to such dry salt piled up in front of them. Salt in this condition seems to be just too sharp-tasting a material on which to overeat. Experimenters have repeatedly expressed their doubt or disbelief that pigs can be "poisoned" by giving them free-choice access to dry salt, no matter how the pigs have been managed previously.

Obviously the proper management is to make sure that pigs, like other livestock, have salt with their rations at all times. Pigs may be fed salt mixed with their feed and in addition be given voluntary access to dry salt in a box or self-feeder. Experiments have shown that it is a safe and efficient practice to let these feed-wise animals help themselves to loose salt in a suitable container, even if no salt is mixed with their feed. It was found safe even if salt had been withheld from the pigs for some time.

Pipe Thru a Dam

Can you give me any information on how to put a pipe thru a pond dam for a water trough, and what kind of a filter should be used in the pond?—Kenneth Aldrich, Anderson Co.

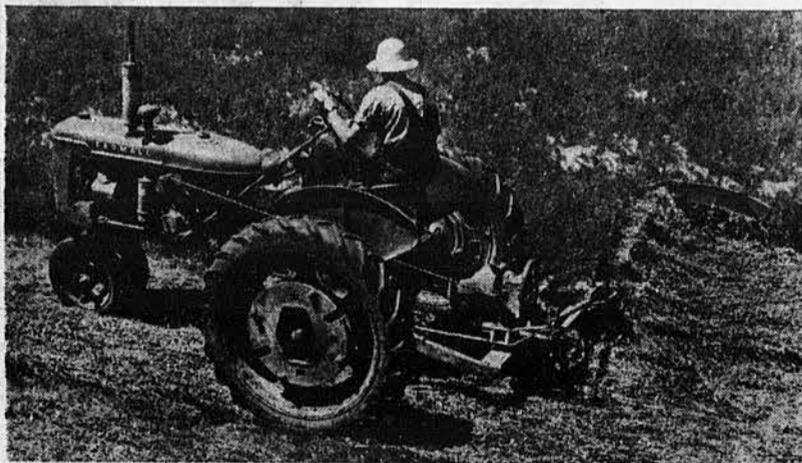
A pipe thru a pond dam for stock water should be at least 1½ or 2 inches in diameter, preferably 2 inches. This pipe should be placed in the original ground under the fill. Two concrete cut-off collars 6 inches thick and 3 or 4 feet square should be placed around the pipe at about one third and two thirds of the bottom widths of the dam. (See pages 4 and 5 of the J. I. Case publication, "Build a Pond," which I am sending you.) The trench in which the pipe is laid should be back filled with clay and puddled around the pipe.

The construction of a stock water pipe filter is illustrated and discussed in the publication "Build a Pond," page 9. A concrete base on which to set this filter will improve the construction somewhat.—Walter E. Selby, Extension Agricultural Engineer, Kansas State College, Manhattan.

Keeps Wallpaper Dry

To waterproof wallpaper in spots where it is subjected to splashing water, such as behind the kitchen or bathroom sink, coat it with a mixture made of 1 ounce of gum arabic, 3 ounces of glue, and a bar of soap dissolved in water. This will coat a wide surface, and when the place has dried, it can be kept clean by wiping with a damp cloth.—Mrs. C.

You Are Invited



SEE the Farmall C during April, invite International Harvester dealers. April is Farmall C tractor month, when this tractor, with Farmall Touch-Control and a full line of matched, quick-change implements, are being demonstrated. Newest addition to the Farmall family of 5 all-purpose tractors, the Farmall C took its place as a medium-size tractor in the line more than a year ago. It fits between the smaller Farmall Cub and Super-A, and the larger Farmall H and M tractors.

The Farmall C was designed as the main source of power for the general, diversified farm of up to 120 acres, as "second tractor" power for the large-acreage farm. Here the Farmall C tractor and 7-foot mower are doing a speedy job of cutting alfalfa.

LOOK FOR THE DEALER DISPLAYING THIS SIGN



NOW! You can get the right weed, insect and fungus control information and products ...WHEN YOU NEED THEM!

LOOK FOR THE Sherwin-Williams Agricultural Chemicals Service Center Dealer in your town. He carries a full line of tested and proven Sherwin-Williams Agricultural Chemicals. Here you can get the information and products you need to protect your crops, livestock and buildings from destructive pests... sprays for fruit trees, truck crops, pastures, stored grain... including the famous Weed-No-More, proven ester formulation of 2,4-D, Pestroy 25%, the Xylene Solution of DDT.

A KILLER FOR PRACTICALLY EVERY WEED AND PEST

New 110 Page Pest Control Guide

Sherwin-Williams Agricultural Chemicals can help you get better yields, save labor, and spray the most economical way. To get the "Pest Control Guide"—a 110 page authoritative guide for controlling weeds and insects—see your local dealer or send only 20¢ to The Sherwin-Williams Company, 1262-I Midland Building, Cleveland, Ohio.



SHERWIN-WILLIAMS
AGRICULTURAL CHEMICALS

Protecting the Food Crops of America



The Convertible assembled for deep well service.



NEW

The Convertible used as shallow well pump.

**LONG-LIVED!
MONEY SAVING!**

**FAIRBANKS-MORSE
NEW EJECTOR PUMP**

Fairbanks-Morse new *Convertible* pump offers you more years of dependable service, and more value for your money! Here's why.

The *Convertible* is a performance-proved ejector type, shallow well pump which can be converted easily to service as a deep well pump. Thus, when your need for a greater volume of water becomes apparent, or when falling water levels compel you to go to greater depth for sufficient volume, you need only to install the conversion parts to change your *Convertible* pump from shallow well to deep well service—at a big saving in time and money.

Before you buy any water system, ask your Fairbanks-Morse dealer to show you the new *Convertible* with improved performance and design: Or, mail the coupon for complete information.

Fairbanks, Morse & Co.,
1300 Liberty Street,
Kansas City 7, Mo.

F15-4

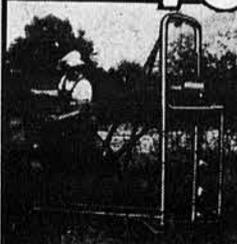
Gentlemen: Please send me full details about the new *Convertible* water system.

Name _____

Address _____ RD _____

City _____ State _____

WINPOWER



**POST-HOLE
DIGGER**

**SAVES WORK,
TIME, MONEY**
Dig 600 post
holes a day
sitting on the
tractor seat.

Easy, one man, automatic operation. Digs new holes in old fence lines. Timken roller bearings, self-sharpening, tool steel, tungsten carbide, cutter blades cut through hardest earth. Rugged—simple—foolproof. Quickly pays for itself. Write for free illustrated folder.

Warehouse Distributors

RENFRU ELEC. POWER DIST.

Box 701

Garden City, Kansas

SEWARD DIST. COMPANY

1015 So. 10th St.

St. Joseph, Mo.

WINPOWER MFG. CO.

NEWTON
IOWA

Home Care of Measles

By CHARLES H. LERRIGO, M. D.

MEASLES may appear at any season but spring is its favorite. Children who have it will be quite sick for a few days, but most of them make quick recovery. Not all of them, mind you. Experience tells us that from every 1,000 children having measles, 10 to 15 will die. This is not a great number out of 1,000 (if your child does not happen to be one of them), so we will retain the statement that most of them get well. But even so there are important things to consider. To get well, but have running ears or weak eyes all one's later life is not at all satisfactory. Measles cases should be so well nursed that these evil results will not follow this common disease.



Dr. Lerrigo

Measles is a disease that is never far away, but its chief severity is felt about once in 3 years when a new crop of children grow ready for it. Every mother will try to save her child from being exposed to the disease, properly enough. Measles does not respond 100 per cent to immunization. Children going to school will take it during an epidemic, and it is at this time your doctor can do much with measles serum.

Remember that the early symptoms of measles may easily be mistaken for a "cold." The child shows no skin eruption at first but does have running nose, watery eyes, a slight cough and fever. Keep a child with such symptoms at home under special care. Keep him in bed. If it is not measles you have helped his cold. If it is measles, it is of highest importance that the little victim rest quietly and comfortably in bed during the days that precede the eruption. The child so treated will have no complications of eye, ear or chest and will make a good recovery.

Home care entails a good bed in a quiet room. There should be no draft to strike the patient, but neither is it necessary to keep him uncomfortably warm. Let the room be fresh, even cool, but protect the patient. Do not darken the room but see that the patient is placed so no glare of light will be upon his eyes. Give him cool water to drink, light food and no medicine unless ordered by your doctor. The measles rash fades in 24 to 48 hours, but do not be in too much of a hurry to have the patient up and about again. The skin is very susceptible to chill for several weeks. Keep him in bed 2 or 3 days after the rash has cleared away, and longer if there is cough or ear trouble. An excellent eye wash for simple inflammation is boric acid solution, used freely, warm, and followed by applying a mild ointment to the eyelids.

The approved method for safeguarding delicate children is by use of immune globulin, which is really protective blood taken from those who have had measles. It is important to follow strictly the advice of your doctor in this and other measures of cure, and especially as to limiting the patient to the home until full and complete recovery. Such safeguarding care is even more important than medicine but let your doctor control the case.

Begin Early

What is the best age to begin treatment on a child's crooked teeth?—F. R. B.

It once was the custom to wait until puberty, but dentists now advise beginning treatment as soon as the wrong alignment of the teeth is noticed. The earlier the better.

Foot Trouble

I am a schoolboy 16 years old and am having trouble with "sweaty feet." When I wash my feet and put on a clean pair of socks they seem to sweat worse. Please answer in *Kansas Farmer* as soon as possible.—Jim.

First, look to your footgear. Perhaps you wear rubber boots. If so, change to leather shoes. Have 2 pairs and let the unused shoes be airing out. Put on clean socks every day. Wash them yourself if need be, and use a mild soap in the process. Wash your feet in cool rather than hot water and do it every night before bed. Use a mild soap.

Grab Bag Saves Steps

For the child ill in bed a grab bag full of things he likes for entertainment will save steps in delivering items separately. Fasten a bag to a coat hanger and hang over the head of the bed to hold crayons, picture books, toys, puzzles, and other playthings.—Mrs. T.

Protects the Floor

To slide pieces of furniture or kitchen equipment across the floor and prevent marring the finish, simply place a piece of double waxed paper under the legs.—Mrs. T.

For Stained Vases

I clean transparent vases often as they easily become stained from water and flowers. Vinegar will remove stains that soap and water fail to budge.—Mrs. C. B.

Doll Cosmetics

My little daughter keeps her dolls' faces clean and new-looking by using cleansing cream. This does not affect the finish as soap and water often does.—Mrs. H. L.

Soil Needs Humus



Have you found ditches like this on your farm? It goes with cultivation and lower percentages of organic matter. Terraces will help, but even terraces cannot hold soil that goes too low in humus.

Wonderful Results

Raising Baby Chicks

Mrs. Rhoades' letter will no doubt be of utmost interest to poultry raisers. Read her experience in her own words: "Dear Sir: I think I must be one of the very first to use Walko Tablets. Some 35 years ago when I started raising chicks I saw Walko Tablets advertised as an aid in preventing the spread of disease through contaminated drinking water. I tried a package for my baby chicks with happiest results. I have depended upon Walko Tablets ever since." Mrs. Ethel Rhoades, Shenandoah, Iowa.

You Run No Risk

Buy a package of Walko Tablets today at your druggist or poultry supply dealer. Use them in the drinking water to aid in preventing the spread of disease through contaminated water. Satisfy yourself as have thousands of others who depend upon Walko Tablets year after year in raising their baby chicks. You buy Walko Tablets at our risk. We guarantee to refund your money promptly if you are not entirely satisfied with results. The Waterloo Savings Bank, the oldest and strongest bank in Waterloo, Iowa, stands back of our guarantee. Sent direct postpaid if your dealer cannot supply you. Price 50c and \$1.00; breeders sizes \$2.50 and \$4.00.

Walker Remedy Company
Dept. 22, Waterloo, Iowa

NO HARVEST DELAYS

WHEN YOU REPLACE CHAIN RADDLES IN YOUR COMBINE WITH

NEWACHECK RUBBER FEEDER-HOUSE CONVEYORS

Has Been in Use 15 Years

Farmers using combines with inefficient chain raddles are often delayed during harvest by broken raddles and "clogged" feeder houses. Farmers using NEWACHECK RUBBER FEEDER-HOUSE CONVEYORS experience NO DELAYS... NO FEEDER HOUSE TROUBLES... when properly installed. You can avoid costly delays during harvest... replace chain and wood raddle slats on your combine now... find out how easily and inexpensively it can be done.

Ask your dealer—if he doesn't supply you... write direct without delay.

Newacheck Supply Company
Canvas Dept., Larned, Kansas

Add Years To Your Silo With

SILO SEAL

Merit

The acid in silage, over a period of years, causes the lining of silos regardless of construction material, to disintegrate. Immature feeds and excessive moisture silage, being extremely high in acidity, are especially injurious to silo linings.

Silo Seal has been successfully used for nineteen years by Kansas Farmers and Dairymen and can be applied as silage is fed out, thus eliminating scaffolding. Write today for literature. Immediate delivery.

MANUFACTURED BY

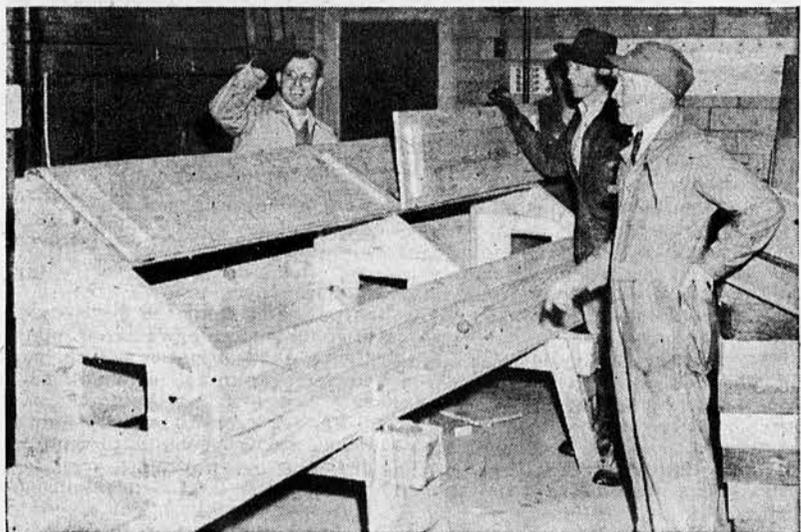
McPherson Concrete Products Co.
McPherson, Kansas

**BACKACHE,
LEG PAINS MAY
BE DANGER SIGN**

Of Tired Kidneys

When disorder of kidney function permits poisonous matter to remain in your blood, it may cause nagging backache, rheumatic pains, leg pains, loss of pep and energy, getting up nights, swelling, puffiness under the eyes, headaches and dizziness. Frequent or scanty passages with smarting and burning sometimes shows there is something wrong with your kidneys or bladder. Don't wait! Ask your druggist for Doan's Pills, a stimulant diuretic, used successfully by millions for over 50 years. Doan's give happy relief and will help the 15 miles of kidney tubes flush out poisonous waste from your blood. Get Doan's Pills.

Learning the Right Tool For the Right Job



Harold Davies, extreme right, explains the advantages of the community-type laying nests approved by Kansas State College. This was a project in the veterans' farm training class. Also in the picture are Floyd Benton, left, and Irvin Calvert, class members.

SEVENTY-EIGHT veterans from Coffey and adjoining counties are enrolled in the veterans' farm training classes being held in Burlington.

Learning to work with tools and becoming adept at carpentry and machine work is the purpose of this training project, on which about \$100,000 is being spent annually in the area served by the school.

Harold Davies, Jackson George, Bill Mudge and John W. Stockebrand are the instructors. All hold their classes on Wednesday evenings and the shop-work is being done on Monday and Friday nights and Saturday afternoons.

One class under Harold Davies has just completed one of the new community-type laying nests approved by Kansas State College, plus a hog house and a lime spreader.

Cat Helps Guard Border

A customs inspector at Zapata, Tex., co-operating with the U. S. Department of Agriculture in halting the smuggling of fresh meat from Mexico because of the presence there of foot-and-mouth disease, has introduced a new version of the old "cat and mouse" game.

Tourists returning from Mexico sometimes can't resist the temptation

of trying to smuggle in restricted fresh meat or rare game. Harvey Cunningham, whose job it is to inspect incoming cars from Mexico, has a pet cat called "Solomon" with a strong appetite for fresh meat. Cunningham allows "Solomon," the black tom, to do a bit of exploring in vehicles suspected of carrying meat that is contraband because of the danger of bringing foot-and-mouth infection north of the border.

Start Dairy Program

Dairying in Franklin county will get a new lift thru a program being sponsored by the Ottawa American Legion post. This group made a fund of \$1,000 available to buy 4 dairy calves which will be placed with 4-H members in the county. The first heifer calf at 6 months of age from each of these original calves will serve as payment. The plan is for 4 more club members then to join the dairy project with the four 4-H raised calves.

First calves were purchased from local Guernsey herds. They were registered calves raised by W. G. Ranson, Jr., and Fred Kissinger. Average production of the dams of these 4 calves on a 305-day basis, 3 at 3 years old and one as a 2-year-old, is about 438 pounds of fat.



Spreading lime is an important project on the farm and the veterans' farm training class has a homemade spreader under construction. It is being made from the back end of a car. Pictured, clockwise, Irvin Calvert, Waverly, standing center rear; Harold Davies, Lebo, instructor; Floyd Benton, Lebo; Merle Meade, Waverly, and Glen Anderson, Waverly.

BAZOOKA

SPIRAL GRAIN LOADER

With the Famous
FLEXODRIVE
(Pat. Pend.)

MOST EFFICIENT GRAIN LOADER OF ALL

Sectional Tube Construction • **Direct Flexible Shaft Drive** • **Engine Mounted DOWN Where You Can Control It**

Moves grain by direct flexible shaft drive from engine or motor mounted LOW where you can control it. Easier to stop, start, transport. No chains or long belts. Simple throw-out clutch at your fingertips. Sectional tube construction in 16 foot basic length. 5 and 10 foot sections available to make 21, 26 and 31 foot units. Only Bazooka has the Flexodrive that makes these advantages possible. See it before you buy any grain loader.

Easily removed from carrier for vertical operation.

Ideal for permanent installations.

Type B Bazooka without Flexodrive and carrier available in 11 and 16 ft. basic lengths with extra 5 and 10 foot sections. Has handy swivel bracket to fit on truck or trailer. Ideal for vertical installation.

NEW
Jayhawk

FIELD
SPRAYER

SIMPLIFIED... SENSIBLY PRICED FOR ALL FARM SPRAYING

Quickly attached. Easily controlled. Handles all weed and insect sprays. Has strong, rigid welded steel main frame, universal hitch, direct power take off drive. 9-way control of the three spray booms right from tractor seat. Other important features at left. Don't fail to see the Jayhawk before you buy.

FREE Circulars, low prices by return mail on these and other Jayhawk products. Time is short. Write today.

THE WYATT MFG. CO., Inc. Jayhawk Farm Implements Since 1903
782 5th St., Salina, Kansas

FOR FAST & BETTER SOIL
PRE-PREPARATION AND
SAGEBRUSH ELIMINATION

Hodges

ROTARY CUTTER

The NEW Modern Machine for cutting grain stubble, corn stalks, cotton stalks, weeds, potato vines, cover crops, sagebrush—

The Hodges All Purpose Cutter for fast and better soil PRE-preparation—PULVERIZES crop residue to hasten decomposition and return plant food and humus to the soil—Reduces CLOGGING and DRAGGING and makes discing, plowing and sub-surface tillage easier and more effective—PREVENTS disastrous results of BURNING crop residue—Provides PROTECTIVE soil covering.

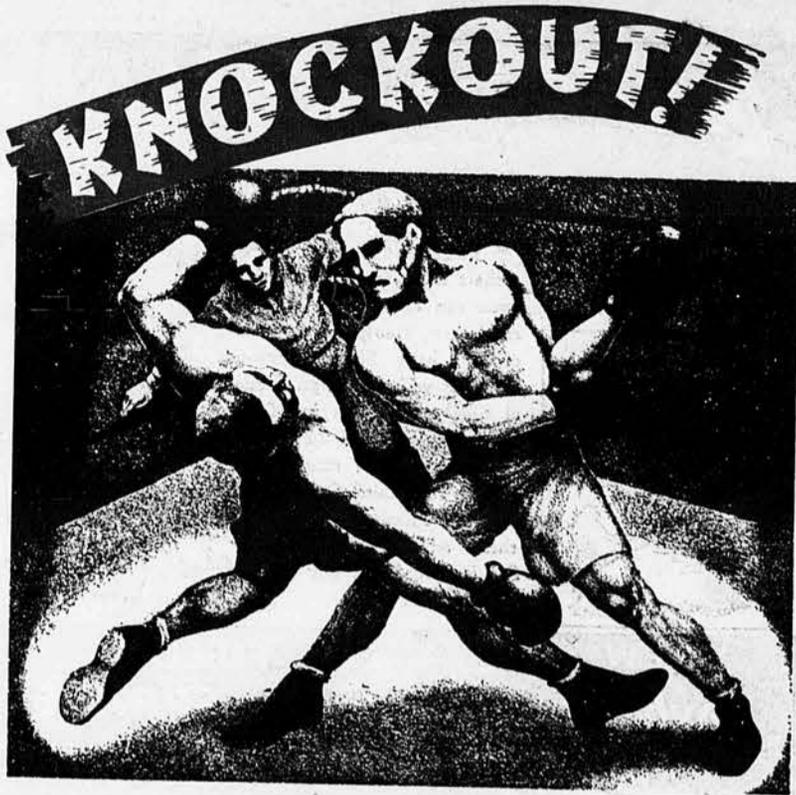
Millions of acres of SAGEBRUSH can now be ELIMINATED from pasture lands for re-seeding or to obtain maximum GRAZING.

The PRECISION MADE—STURDILY CONSTRUCTED—Hodges Rotary Cutter is available in 7½ and 12 foot cutting widths—complete with power take off connection for your tractor.

Ask your dealer about this machine or write to us direct for full details.

HODGES MANUFACTURING CO.

JULESBURG, COLORADO



HI-V-I KNOCKS ENGINE CARBONS OUT, TOO!

Count 'em out . . . power-robbing gums, carbon deposits and sludge haven't a chance against twin-action HI-V-I lubrication! It cleans as it lubricates, removing all traces of such corrosion . . . leaving in its place a rich, even film of the finest motor-protecting oil ever refined.

Tractor, truck or car motors respond instantly to the touch of a starter or the turn of a crank, when lubricated with HI-V-I, the oil that flows freely at zero and also stands up at boiling and above.

HI-V-I Oil is refined in the Champlin Refinery from 100 per cent paraffin base Mid-Continent Crude — the finest obtainable anywhere in the world. Here is truly a top-quality motor oil.

There is no chance of close-moving parts grinding together in dry-friction starts, because HI-V-I is refined so clean and pure, so free from carbon, tar and gums, that it gives your car, truck or tractor motors the adequate lubrication needed for variable weather conditions of early spring.

Take the proper care of your expensive farm machinery motors and increase their life . . . HI-V-I will reduce carbon and sludge formations, leaving cleaner, more efficient motors; it gives quicker starts . . . cuts fuel consumption.

Buy HI-V-I in 1 or 5 quart cans, in 5 gallon utility cans or 55 gallon drums . . . whatever the quantity, quality is always the same.



CHAMPLIN



REFINING COMPANY

Enid, Okla.

Producers Refiners Distributors of Petroleum Products Since 1916

MASTER Grain ELEVATORS

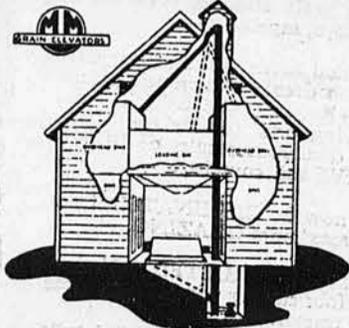


Illustration shows a Master Grain Elevator leg installed. Lines indicate pit in driveway, engine room, storage bins and overhead loading bin. Minimum installation and remodeling cost to install a complete powered Master Elevator.

Solve Your Grain Moving Problems Inexpensively

The safest, surest and cheapest way to elevate grain and feed. Specially designed for permanent installations in feed plants, grain elevators, farm buildings and mills. Provides long trouble free service.

Made to Fit Your Needs

Two sizes—500 and 1,500 bushels per hour capacity. Available in heights up to 50 feet. All metal construction, full chain and bucket type. Single leg self-supporting unit, easily and quickly installed in limited space. Power requirements small. Features Automatic Chain Tightener and Safety Disc Clutch. Portable models with same construction also furnished. Prompt deliveries.

Write for Literature and FREE Dump Pit Plans

MASTER MANUFACTURING COMPANY

1313 East Avenue "A"

HUTCHINSON, KANSAS

You Can Keep Chicks Healthy

By TOM AVERY, Kansas State College

ALTHO the first 2 weeks of a chick's life are no doubt its toughest, it should not be assumed that all brooding precautions can be thrown aside after that time.

Sanitation must be one of the first considerations in successful poultry keeping. Many common diseases of young stock can be avoided by following sanitary practices.

Proper sanitation means that all brooder houses and equipment be carefully cleaned to avoid any connecting link between the disease of last year and the coming year. Keep wire frames, feed hoppers, and drinking vessels clean at all times.

Dampness under the hover is one of the quickest ways to encourage disease. Litter under the hover should either be stirred or replaced whenever it becomes moist. If disease is to be kept at a minimum, then litter in the entire house must be kept dry and in good working condition.

Litter management is aimed primarily at coccidiosis control. In passing thru the normal life cycle, coccidia are eliminated from the body with the droppings in a dormant and rather resistant form. Under warm, humid conditions, it takes only a few days for the coccidia to sporulate and become infective if picked up thru the mouth of a healthy chick. If the litter and brooder management is such that the litter is dry, sporulation is greatly retarded. If a deep, dry litter is maintained, and is stirred frequently, or if the chicks are fed and managed so they keep the litter stirred, a bacterial action is set up in the litter which helps to control the coccidia.

Add Dry Litter

Under favorable conditions, where chicks are not too crowded, there should be no necessity for changing litter for 10 or 12 weeks, or until pullets are ready for range. Should an area become wet around a water fountain, this litter should be removed and dry litter added. Drinking fountains should be placed on wire-covered platforms. This will not only protect the water from litter scratched about by the chicks, but will aid in keeping birds away from the dampness around the waterer.

The choice of litter may be decided by cost. Any litter that is fine, dry and light should be satisfactory. Addition of small amounts of hydrated lime to the litter from time to time will prove helpful in keeping the house dry.

The death rate of chicks is affected by the floor area that is allowed. An experiment conducted by the Purdue University Agricultural Experiment Station showed that where less than 30 square feet of floor space per 100 chicks started was provided, the death loss averaged 24 per cent. The death loss was 8.5 per cent for lots provided with 30 to 60 square feet, and 7 per cent for lots with more than 60 square feet of floor space per 100 chicks. This illustrates that it is much more economical to start with the correct number of chicks in the brooder house than to overcrowd and let death loss do the "thinning out."

Artificial lights can be used to advantage in brooding, particularly with early-hatched chicks. Bright lights may be used for a sufficient period to give a 12-hour day during the season of short days. A dim light of 5 to 7 watts may be kept burning in the pen during the entire night to avoid crowding and piling up. Bright or night lights are not advised for replacement stock, but broilers can be pushed along faster if all-night lights are bright

enough to permit chicks to eat and drink during the night.

Ground over which poultry has run for several years may become "chicken sick." This is particularly true when the flock is of medium to large size. The greatest ground contamination exists in the soil next to the brooder house. Worm and coccidia infestation are commonly carried over from year to year in contaminated ground. This fact makes it especially hazardous for the growing chick to be allowed free range over the same ground year after year. Unless a permanent sod can be maintained, and this is practically impossible under average Kansas conditions, then the brooder house should be moved to clean ground each year to be on the safe side.

Proper sanitation means raising chicks on new ground, plowing up and cropping old, contaminated ground, and a thorough and consistent cleaning and disinfecting of all range equipment, including feeders and waterers. It is not advisable to brood chicks on the same ground for more than one year out of three.

Teach Them Early

Young chicks should be taught to roost at as early a date as possible. This will be somewhere near the time when they are weaned away from the heat. Building the roosts low at the start and providing a sloping runway from the floor are means of getting them onto the roosts.

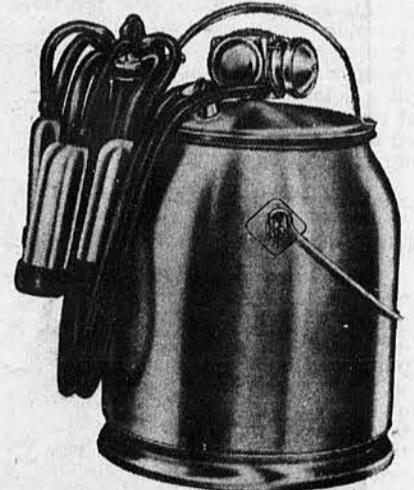
Wire netting placed underneath the roosts and sloping runway prevents the chicks from getting into the corners. This is important as many losses occur from crowding, even at this young age.

A hot, stuffy house is a poor place in which to grow chicks. Some provision, therefore, should be made for ventilating the brooder house thruout the growing season. Windows may be slightly opened during the early season and removed entirely during the hot weather.

It is considered good practice to separate the cockerels and pullets when they are from 8 to 10 weeks old. Young cockerels are usually ready to market any time after they reach 10 to 12 weeks. Unless you plan to save males for breeding purposes, it is generally more profitable to sell them as broilers.

There is no one best ration for growing chickens. However, no bird can make a satisfactory growth unless the poultryman uses good judgment. Common sense and careful attention to details are of paramount importance in raising profitable chicks.

Modern Cow Bell



Note the new IH milker timer bell, by means of which the operator can control milking to determined time intervals as desired. The bell is shown mounted on the face of the pulsator cover of the McCormick-Deering single unit milker. The bell does not affect the work of the pulsator. In use the operator simply sets the bell at the desired interval and goes about his work. The bell rings to remind the operator to remove the milker from the cow. The timer bell is considered an important new equipment element in managed milking. It can be attached to any McCormick-Deering milker manufactured after 1940, the company states.

Pattern Alterations

To make attractive, durable, well-fitting clothes is the aim of every woman who sews for herself or her family. Farmers' Bulletin, "Pattern Alteration," is quite complete on the subject, with many illustrations. It will be found a very helpful guide in home dressmaking. For a limited time, Kansas Farmer's Bulletin Service can send a free copy of this booklet to all who request it.

Brown Swiss Fit Clark County

By RUTH McMILLION

EIGHT years ago Ted Stranghoner probably had the first herd of Brown Swiss cattle in Clark county. Since then he has not been able to supply the demand for them among farmers mindful of their outstanding qualities.

Mr. Stranghoner is of Swiss descent, and part of his love of the Brown Swiss probably is more or less hereditary.

His uncle, Ulrich Waggoner, who came from Switzerland, imported Brown Swiss cattle from Switzerland and brought them to Humboldt, Kan., in 1908.

In 1940, Ted's father, William Stranghoner, also of Humboldt, sold out. He had a herd of Brown Swiss and it having been a cold, wet winter that year some of his young heifers did not shape up as he wanted them to for the sale. Consequently he took them to Western Kansas to the farm of his son, Ted. It was surprising how they seemed to thrive and grow out there. They reacted most favorably to their environment and matured into fine, big producers.

The Brown Swiss breed is one of the oldest, and is descended from cattle used in the valleys and mountain slopes of Switzerland before historic records began.

The Brown Swiss Cattle Breeders' Association of America at Beloit, Wis., tells us the Brown Swiss breed, as it is known in America today, is one of the purest of all recognized breeds of dairy cattle. It is definitely believed there has been little or no infusion of foreign blood, no apparent crossing with other cattle thruout the establishment of the breed. So well fixed did the characteristics of the breed become, and so apparent was the prepotency and vigor of the animals, that cattle raisers from Germany, Italy and other surrounding domains made regular importations of Swiss stock to strengthen the productive quality of their herds.

High Above Sea Level

The actual breeding places and pastures in Switzerland where Swiss cattle are grazed thruout the summer are 3,000 to 3,500 feet above sea level. The unusual physical exertion and high altitude under which generation after generation of these cattle have developed, no doubt have played an important part in the selection for strength and ruggedness as found in the Brown Swiss breed today. Swiss cattle are among the healthiest and hardiest of all cattle.

No dairy breed surpasses the Swiss in ability to produce and reproduce under all conditions. They have vitality and ruggedness.

In size and body conformation they are large and beautiful. The cows usually weigh from 1,300 to 1,600 pounds, the bulls from 1,800 to 2,500 pounds. The Brown Swiss coloring is a shade of Brown varying from a silver to a dark brown. Hair inside the ears is a lighter color than the body. The nose and tongue are black with a light-colored band around the nose. The horns incline forward and slightly up, moder-

Methods of Control

As we have had recent inquiries from readers on the following subjects, we are listing U. S. Department of Agriculture and U. S. Department of Interior publications so that others may take advantage of this information. The subject matter is authentic and instructions are easily followed. Please order bulletins by number and allow 2 weeks' time to receive your order:

- Conservation No. 8—Rat Control, 10c.
- Conservation No. 11—Rabbits in Relation to Crops, price 10c.
- Conservation No. 19—Rat-Proofing Buildings and Premises, price 10c.
- Conservation No. 23—Pocket Gopher Control, price 10c.
- USDA Miscellaneous, No. 605—A Vegetable Gardener's Handbook on insects and Diseases, price 10c.
- USDA F. B. No. 1102—The Crow in Its Relation to Agriculture, price 5c.

ately small at base, medium length and tapering toward black tips. The Brown Swiss have been called "The Longevous Breed." The person who visits a large number of Brown Swiss herds for the first time is amazed at the number of 10-, 12-, and 14- or 15-year-old cows found in the herds.

Their size is to their advantage, for when one wishes to sell a milker by weight they really have something when she is fattened. Mr. Stranghoner stated that anything with Brown Swiss breeding will outsell anything else. Brown Swiss calves always command premium veal prices and make most rapid gains. The calf weighs 100 pounds when born and will gain 80 to 100 pounds a month.

Recently Mr. Stranghoner sold a 2-year-old bull which had been given no special attention but weighed 1,540 pounds. Also, he sold a hide from a 1,050-pound steer which weighed 100 pounds.

A Long Waiting List

Endeavoring to keep the best producers for himself, Mr. Stranghoner sells only those cows and heifers which are second to his. Always he tells the prospective buyer why he will let them go and what their shortcomings might be. However, he has never had a dissatisfied customer and has a long waiting list.

Several years ago Mr. Stranghoner discovered Bang's disease in his herd. He sold practically everything, even his stock cattle and since that time has vaccinated his calves against Bang's. He has been more than satisfied with the results and the disease has not re-appeared.

The age at which a calf should be vaccinated is between 4 and 8 months old. If vaccinated later positive blood reaction is likely to persist so the vaccinated animal cannot be distinguished from a naturally infected animal.

The cost of a dose of vaccine is only a few cents, so Mr. Stranghoner feels that the time and effort are worthwhile in safeguarding human health and in protecting his herd.

Altho Brown Swiss herds will be founded on their own usefulness and high merit, in a few years Clark county will have Mr. Stranghoner to thank for obtaining, propagating and sharing this fine breed of dairy cattle.

Guernsey Show

The Kaw Valley District Guernsey Show will be held at Olathe, Tuesday, April 19, according to an announcement by Max Dickerson, Hiawatha, secretary of the Kansas Guernsey Breeders' Association. The Guernsey show will be held in conjunction with the East Central District Holstein Show.

Ayrshire Spring Shows

Dates have been set by the Kansas Ayrshire Club for the spring dairy shows of that breed. They are as follows:

- April 18—Ottawa (Northeast Kansas)
- April 19—Girard (Southeast Kansas)
- April 20—Caldwell (South Central Kansas)
- April 21—Newton (Mid-Kansas)
- April 22—Hutchinson (Central Kansas)
- April 23—Abilene (North Central Kansas)

J. Kendall Lynes, of Plainfield, Ia., will judge all the Ayrshire spring shows.

Milking Shorthorn Dates

Here are the corrected dates for the 6 district spring dairy shows to be held this year by the Kansas Milking Shorthorn Society:

- April 25—Kinsley (Southwest District)
- April 26—Hutchinson (South Central District)
- April 27—Wakeeney (Northwest District)
- April 28—Junction City (North Central District)
- April 29—Horton (Northeast District)
- April 30—Chanute (Southeast District)

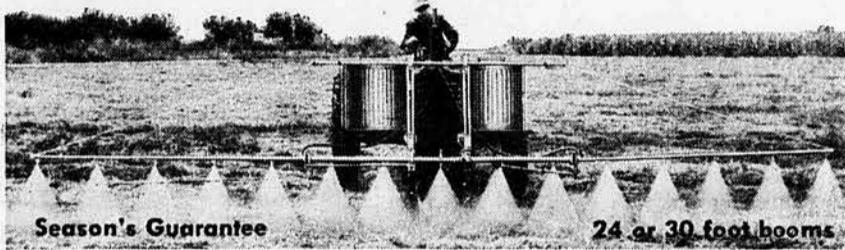
R. E. Gracey, Roscoe, Tex., president of the American Milking Shorthorn Society, will judge the shows.

SPEEDY SPRAYER



"...can't be beat!"

Says ELLSWORTH OWINGS,
Wellsville, Kansas

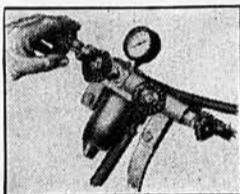


Season's Guarantee

24 or 30 foot booms

"For simplicity of installation and operation, the SPEEDY SPRAYER can't be beat," says Mr. Owings. "The fingertip control and built-in filter unit save me hours of time, and SPEEDY'S light, all aluminum construction assures year round protection against rust and corrosion. No costly repairs for bent or broken booms. The new SPEEDY booms swing with obstructions in the field, allow them to pass, then return to normal position.

"For my money, the SPEEDY SPRAYER is the best on the market."

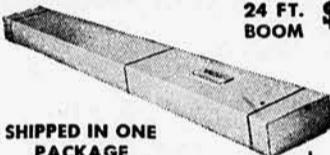
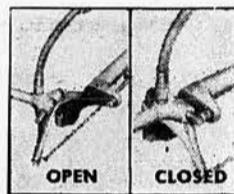


FINGERTIP CONTROL

Spraying can be controlled from the tractor seat... built in filter unit and pressure regulator assure constant penetrating spray.

DOUBLE-ACTION HINGE

OPEN: Hinge in open position... no bent or broken booms.
CLOSED: Hinge in normal rigid position... no wobble or end play.



24 FT. BOOM \$230.00 (Plus Tax) F. O. B. SIOUX FALLS

SHIPPED IN ONE PACKAGE WT. 110 LBS.

30 YEARS OF MANUFACTURING "KNOW-HOW" BUILT INTO EVERY SPEEDY SPRAYER

Write for FREE descriptive literature!

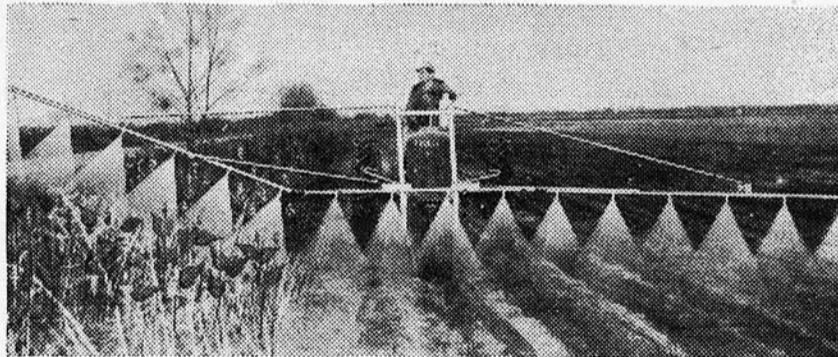
SPEEDY SALES CO., Dept. KF49
Corn Exchange Bldg., Minneapolis 15, Minnesota
Please send me free descriptive literature.

Name.....
R.R.....
City..... State.....



KILL WEEDS

THIS FAST, LOW-COST WAY



DED-WEED* The Proved

2, 4-D WEED-KILLER

Does the Job on All Kinds of Weeds

DED-WEED is available in several amine salt and ester type formulations. It may be diluted with hard or soft water without developing nozzle-clogging sludge. Ded-Weed is a prompt and positive killer—will not harm crops when properly used.

KILL INSECTS . . . BOOST PRODUCTION. Kill profit-destroying insects with Thompson-Hayward "use-tested" insecticides.

FREE technical bulletins. Ask your dealer or write direct.

92

MINNEAPOLIS
OKLAHOMA CITY
DES MOINES
DAVENPORT
ST. LOUIS

AGRICULTURAL
THOMPSON-HAYWARD
DIVISION
KANSAS CITY, MO.



*Reg. U. S. Pat. Off.
WICHITA
CHICAGO
OMAHA
DENVER
TULSA



There's no harvest like a **HOME HARVEST**

What is harvest-time to you—a season of satisfaction and fulfillment—or a season of headaches?

With your own economical All-Crop harvester, you can be ready *the day* your crop is ready. Your own family help is all you need. And besides harvesting small grain, your All-Crop is in a class by itself for your valuable legume and grass seed crops — and always available. Not the least of considerations is the extra income you pocket.

The All-Crop harvester is the key to a successful home harvest. More All-Crops are in use today than any other combine, by far! It is famous for its unusual ability to harvest over 100 crops, even under adverse conditions.

Now is the time to think about breaking away from the old wait-till-they-come neighborhood harvest system. Plan today for a profitable All-Crop home harvest. See your Allis-Chalmers dealer.

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

Brief Look at Bills Passed by Legislature

FINDING out what farm legislation was passed by the recent session of the Kansas legislature is quite a job. Many of the bills were never printed in their final and amended form. And the last 2 days of the session so many bills were rushed thru that no one can tell what was done until the smoke clears away.

One thing is certain, however. All efforts to separate Extension service from the Farm Bureau failed. Four efforts were made—one House bill, one Senate bill, and 2 Senate concurrent resolutions. All were killed outright. Some had hoped the problem would be given to the Legislative Research Council for study and brought up again 2 years from now. Apparently, legislators were not in the mood to stick their necks out at all on this controversial question.

Dairy farmers will be pleased to know that artificial breeding apparently will be available sometime in the future. An appropriation to set up a central station at Kansas State College was included in a general appropriation bill rushed thru during the final minutes. Dairy interests have worked for this service for several years. It will take considerable time, however, for the college to set up a central station and train men to handle the service.

In gratitude for the long and outstanding service of veteran J. C. Mohler, secretary of the State Board of Agriculture, Senate Joint Resolution No. 2 provides for Mr. Mohler's retirement on an annual salary of \$2,000. The bill allows Mr. Mohler to retire at a time of his own choosing. Mr. Mohler is still going strong and has given no indication of his intentions.

An important change in creating soil conservation districts is found in House Bill No. 69. Under former law, it required a favorable vote of 66 2/3 per cent of the landowners within a proposed district before the district could be formed. The new bill requires only a majority vote.

House Bill No. 242 states that livestock offered for sale cannot be sold as tuberculosis tested, clean, or free from tuberculosis, unless tested and found negative within 30 days prior to sale. This does not apply to sales of cattle from accredited tuberculin-free herds. The same 30-day limit applies to sale of cattle claimed to be brucellosis tested, or Bang's tested, except on cattle from accredited brucellosis-free herds.

House Bill No. 406 forbids the manufacture of dairy products without first obtaining a state license and paying an annual license fee of \$10. Other parts of the law pertain to licensing and regulation of specific types of dairy product manufacture.

Senate Bill No. 53 gives farmers more leeway on bringing livestock into the state. Under this bill, all steers and all cattle delivered for sale at community sales do not have to be inspected and passed under certificate of health by the livestock sanitary commissioner of Kansas, the state of origin or by the U. S. Department of Agriculture.

Senate Bill No. 169 gives county commissioners a free hand in control or eradication of coyotes, wolves, pocket gophers, crows and predatory animals. Under this law, commissioners can call on experts from Kansas State College, hire professional or expert eradicators, set up funds for eradication or control programs and levy taxes not to exceed one-eighth mill for eradication work.

Senate Bill No. 218 deals with weights and measures. Main purpose of this bill is to give the state sealer authority to require that anyone repairing a tested scale must register with the state sealer before being allowed to remove condemnation tags from scales condemned by the state sealer or his inspectors.

Senate Bill No. 215 pertains to inspections of livestock at community sales. The bill requires inspection by an authorized veterinarian of each and every animal consigned to the livestock sale ring. The fee for such inspections is set at 3 cents a head, to be paid by the signor. The bill also prevents any dealer

from discharging an authorized veterinarian during any licensed year.

Senate Bill No. 239 pertains to the incorporation of county fair associations, defines their powers and duties and provides for county aid.

House Bill No. 128 requires that on and after July 1, persons not now having a driver's license must take an examination. This examination will be made by the state highway patrol. Licenses issued after examination will be good for 2 years.

Senate Bill No. 144 levies a tax of 5 cents a gallon on the use, sale, or delivery of all motor-vehicle fuels until June 30, 1951, and 4 cents a gallon thereafter. After 2 per cent is deducted for administration of the bill, the remainder will be divided four fifths to the state highway fund and one fifth to a special county road and city street fund. This law provides that counties will annually divide \$875,000, apportioned in the proportion that the secondary road mileage in each county bears to the total secondary road mileage in the state.

Senate Bill No. 148 sets up registration fees for motor vehicles as follows: Motorcycles, \$5; automobiles, \$6.50 plus 35 cents for each 100 pounds gross weight in excess of 2,000 pounds; electrically propelled vehicles used for pleasure, \$5; motor trucks, \$7.50 if rated carrying capacity is under 1,000 pounds; \$10 for over 1,000 and less than one ton; \$15 for from 1 ton to 1 1/2 ton; \$30 up to 2 tons; \$60 up to 2 1/2 tons; \$100 up to 3 tons; \$50 extra for each ton above 3. Trailer fees will run from \$20 under 2 tons capacity to \$300 for 12 tons and \$50 for each ton or fractional part over 12 tons. Farm trailers of less than 1 1/2 tons owned and operated by the farmer to transport agricultural products produced by him or purchased by him for the farm are exempt.

House Bill No. 432 amends previous soil-conservation district laws and pertains to election and duties of soil-conservation district supervisors. First supervisors elected when district is organized will serve for one, two or three years depending on number of votes received in the election. The one receiving the highest number of votes will serve 3 years. At expiration of their terms, succeeding supervisors will serve 3-year terms.

House Bill No. 204 limits the number of samples of seed any one person may have tested free by the state seed laboratory. All samples over 5 in any year will cost from 50 cents to \$5 per test. This service has been free.

House Bill No. 241 allows townships within a 7-mile radius of cities to petition for creation of benefit districts for fire protection. When such districts are organized thru 51 per cent of the votes, townships may levy an annual tax not to exceed .50 mills above any limit or aggregate limit otherwise fixed by law to support the benefit district.

Senate Bill No. 145, the much discussed gasoline tax refund bill, will go into effect January 1, 1950. The old 1-cent tax law dies July 1. The new bill allows farmers to apply for refund of tax on all gas used for agricultural purposes.

The refund phase of the law does not apply until January 1, 1950. From July 1 to January 1, farmers will be exempt from all (agricultural) gasoline taxes. To obtain a refund after January 1, farmers must get a permit from the county clerk and list the type of equipment used. In order to obtain refunds, purchases must be made in quantities of 40 gallons or more. Claims for refunds must be made within 6 months of date of delivery of fuel.

If you hold a refund permit and die before the permit has expired, your heirs can use the permit and make claim for exemptions on gasoline purchased by you prior to death.

Farmers will have to watch one point in the refund law. Under the law, a farmer can use his tractor on the highway to move farm equipment from one place to another. If he hooks the tractor to a load of grain and takes it to town, he is violating his refund permit and may lose it.

What About Trace Minerals?

Controlled Experiments Are Underway

By ED RUPP

WHAT about those trace minerals? Are we getting anywhere in learning more about them?

A little more than a year ago Kansas Farmer reported certain experiments taking place in the vicinity of Springfield, Mo., on relationship between trace elements and health. Human health, animal health and health of plant life.

Dr. Ira Allison, Springfield, had treated several undulant fever patients with trace element therapy as the background for his experiments. Results were almost incredible. Public attention was given to the experiments thru a clinic arranged by Doctor Allison in December of 1947.

There was another similar clinic last month in Springfield. A group of about 75 persons representing a varied field in everyday life was present to see for themselves, ask questions of the patients as well as of the doctors and others seated around the questioning table.

After another year of treatment for undulant fever, results again are along that same definite trend. Even after years of treatment for the disease by other means, patients showed no improvement. There seemed to be a definite pattern in each case. At first a marked improvement, then settling back to original condition and possibly worse.

Beginning with patients whose blood tests were definitely positive, the trace element therapy seems to work an almost immediate improvement. After 4 or 5 months on trace element therapy and improvement of diet, blood tests become negative to undulant fever. Not only that, but patients questioned at the clinic said they felt better. In some cases they were able to get up out of bed and go to work.

All Had These Symptoms

Testimonials of the undulant fever patients were so similar that one transcribed record would nearly suffice for each case. First the symptoms: Alternating fevers and chills, loss of weight and strength, despondency, fear of imminent danger, pains and aches in muscles and joints and others. After treatment by Doctor Allison each testified to general improvement and relief.

Between 45 and 50 of Doctor Allison's patients had volunteered to tell their individual stories. Ages of patients ranged from about 12 to nearly 80 years. Patients came to the conference room one at a time. But time ran out. Only 15 or 20 of the patients could be heard in one day.

In about 2 years time approximately 1,800 patients have been treated, Doctor Allison says.

On the day following the clinic, visitors were taken to the farms operated by George Nicholson and Sons, near Springfield, where controlled experiments now are underway with respect to trace elements and their relationship to plant and animal health. These experiments are under the direction of Arnold Klemme, Extension agronomist at Missouri University. Professor Klemme now is on a year's leave of absence for that purpose.

Basically, the experiments on this farm will be to determine the result on farm crops from the replenishment of essential minerals in the soils. An attempt will be made to lend further proof to the theory that quality crops are de-

pendent on adequate supplies of all essential minerals in the soil.

Soils on this farm were tested with standard laboratory equipment to determine the level of basic fertility elements. Then the presence of trace elements and the amounts were determined spectrographically.

Basic acre treatments for the soil included 750 to 1,000 pounds of raw rock phosphate, 100 pounds of muriate of potash, 1,000 to 1,500 pounds of dolomitic limestone to provide calcium and magnesium. All applications were according to requirements of specific fields. In one case before dolomite was available an application of 100 pounds of Epsom salt was applied to supply magnesium.

Applied This Mixture

Then in addition to those basic treatments a 100-pound mixture of trace element compounds was applied on each acre. This mixture contained 60 pounds of manganese sulphate, 10 pounds of fertilizer borax, 10 pounds of zinc sulphate, 5 pounds of cobalt sulphate and 15 pounds of copper sulphate.

To supply nitrogen needs, 100 pounds of ammonium nitrate an acre will be used on all small grains and on new pasture seedings.

In each field 3 check strips have been left which will be used to compare production results on food quantity as well as quality. These crops will be checked for quality by laboratory means first. Then in the future they may be checked for their value to animals thru actual feeding experiments.

In the meantime the Nicholson dairy herds are being fed trace minerals in their normal rations. Results, altho incomplete, so far are quite astounding. In the first place there was breeding trouble. Calf crop a year ago was despairingly low. This year the calf crop was in the upper percentage brackets. At the same time the Nicholson herd ranked high in the dairy herd improvement association in February. And the highest-producing cow in the association was in the Nicholson herd.

Further experiments on the relationship between soil fertility, plant and animal health will be conducted on the Herman Mowery farm, in Webster county.

Poor Food Habits

Possibly the most interesting moments during the clinic came during the discussion periods when no patients were in the conference room. It was during these times that indictments were heard of our dietary habits as a civilization. Habits which have led food processors into extracting nutritive qualities by the barrelful from normally good foods and putting back a pinch of synthetic nutrition. All to satisfy the taste of the public rather than their nutritional needs.

One bone of contention was our favorite white bread. Actually, these men and women claimed white bread is so low in actual good qualities that rats and mice won't even tear open the wrapper. If a grocer would stock whole wheat bread made from whole wheat flour, rats and mice would invade the shelf from miles around. Still they would leave the white bread alone, nutritionists claim.

Then there was another indictment against pasteurization of milk. Heating milk thru pasteurization to the point where harmful bacteria is killed will also destroy beneficial bacteria, they claimed. In other words, clean, low bacteria count raw milk carries more nutritive qualities than the same milk pasteurized.

Then, too, habits of cooking and food preparation as well as balanced meal planning came in for body blows. A high level of carbohydrates or of sweets could be detected running thru the diets of the patients. And too often green and yellow vegetables were cooked for hours instead of a few minutes to retain as many health-giving qualities as possible.

There will be more news about trace minerals in the U. S. as time goes on. There seems to be a rapid awakening to their importance.

As results from experiments and research become available they will be reported to you in Kansas Farmer.



... Saves Time - Cuts Cost -
Built to get All the Crop! ...

Hitch up to huskier harvest profits with the MM Self-Propelled Powerflow HARVESTOR, the modern mechanized way to get all the crop with economy of time, labor, and money. Harvest more acres easier with less waste of time.

Quality MM features permit MM Self-Propelled HARVESTOR to open new fields without damage to crop... to cut parts of the field that ripen ahead of the rest... to handle irrigated fields easily by gliding over levees and borders. MM's Self-Propelled HARVESTOR saves manpower—only one man required—saves fuel—one engine provides both motive power and power for unit—saves your tractor for other jobs in harvest time, saves time by unloading "on the go" or through large capacity unloading auger when standing still.

POWERFLOW DRIVE — MM's "STRAIGHT THROUGH" DESIGN

MM's Self-Propelled HARVESTOR has balanced weight and power. Header, cylinder, cleaning shoe, and cleaning fan are easily adjusted to meet all combining conditions on all grain and seed crops. Harvesting, threshing, separating, and cleaning are in one continuous, straight-through operation. MM's HARVESTORS from the "small farm" "69" to the mighty Self-Propelled are built to get all the crop. Get facts on new MM HARVESTOR features including Uni-Matic hydraulic controls available on all models.

Heavy-duty steel frame withstands severe strain under rough working conditions. Anti-friction ball and roller bearings are used on all high speed or heavy-duty shafts. Six cylinder heavy-duty engine is easily accessible for quick servicing.

See Your Neighborly Neighborhood MM Dealer For Complete Facts

MINNEAPOLIS - MOLINE
MODERN MACHINERY
PIONEERS of PROGRESS
MINNEAPOLIS - MOLINE
MINNEAPOLIS 1, MINNESOTA

WRITE FOR INFORMATION
On The New Baldwin
"CENTER-DRIVE"
Grain Loader
BALDWIN IRON WORKS
1440 BARWISSE - WICHITA 2, KANSAS

V-BELTS
V-PULLEYS
for
COMBINES
by **FARRAR**
See our classified ad under "Farm Equipment"
FARRAR MACHINE SHOP
111 Main Norwich, Kansas

FIRST IN THE FIELD
and **STILL THE LEADER**

The HESSTON COMBINE UNLOADING AUGER

Because IT HAS ALL THESE NEEDED FEATURES:

- ✓ MOTOR DRIVEN
- ✓ FULLY FIELD TESTED
- ✓ NEW IMPROVED DESIGN CLUTCH
- ✓ EASY TO OPERATE
- ✓ FASTER UNLOADING
- ✓ ALL WELDED STEEL CONSTRUCTION

Hesston Combine Unloading Auger fits ALL combines... Gleaner-Baldwin 1930-1949, M-M G-2, G-3, G-4, SP and "69," Case K, IHC-SP 123, SP125 and 122. John Deere 17, Oliver #30.

Add features of 123 and 125 IHC SP.: Lower bin... better balanced... easier to handle. Height 10' 8". Immediate delivery.

SEE YOUR LOCAL DEALER OR WRITE TODAY

Distributed By
Western Kansas: **Berner Equipment Company**, Turon, Kansas
North Central Kansas: **Farm Equipment Parts Company**, Salina, Kansas
Mfg. By Hesston Mfg. Co., Hesston, Kansas



"Short circuit, eh? How long will it take you to lengthen it?"

Your WATER WORRIES GO THE DAY



SHALLOW WELL EJECTOR TYPE PUMP
Self-priming. Greater capacity. One moving part. Quiet, dependable. Piping outlets conveniently arranged.

DEEP WELL EJECTOR TYPE PUMP
Only one moving part, with no working parts in the well. Quiet, economical, efficient. Does not have to be installed directly over the well.



HERE ARE THE FACTS

You may need one of the above illustrated pumps or you may need a plunger type pump. **DEMPSTER'S** new booklet will help you get ready for running water. It's full of facts you must know to choose the *right* water system . . . and it's yours for the asking. Get your copy *now!*

SEND THIS COUPON FOR FREE BOOKLET



Dempster Mill Mfg. Co.
613 S. 6th St., Beatrice, Nebr.
Send my FREE Fact Booklet at once.

Name.....

Address.....

Town..... State.....

Nice, big crops of Spring pigs already farrowed or soon to be farrowed . . . lots of lambs, little calves and baby chicks. That's the story on many a farm now . . . If you have or soon will have plenty of young stock on your farm, you know that the important thing with these animals is the **RIGHT START.**

And if you are one of the many farmers who feeds Occo Mineral Compound, you know that this outstanding mineral balancer of livestock rations is mighty important to this **RIGHT START.** Occo contains essential minerals that aid your young stock in retaining

their baby fat . . . in staying in top condition . . . and in building sturdy bone structure. Occo fortifies rations with essential minerals so necessary to fast, thrifty growth. See your Occo Service Man today and learn the Occo Feeding Way . . . or write us direct.

Look for the OCCO Sign on Your Occo Service Man's Car

ADD **Occo** MINERAL COMPOUND TO LIVESTOCK AND POULTRY RATIONS

Unusual Kind of Litter



Here Mr. Sidwell is examining 92-bushel Osage oats following sweet clover on the Conner farm. The oats stubble with volunteer sweet clover in it, later was mowed and used for cattle feed.

LESTER CONNER, of Rice county, is an efficient farmer who gets the most good out of his crops and buildings. He is a strong believer in use of sweet clover ahead of small-grain crops. Last year, after taking off a clover-seed crop, he sowed a field to certified Osage oats that made 92 bushels and acre.

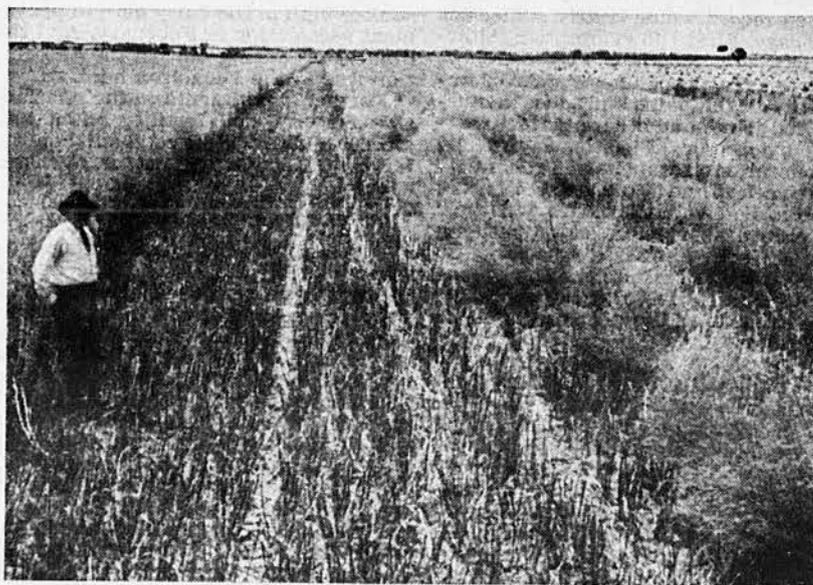
Volunteer sweet clover came up in the oats after harvest so he cut the straw containing the clover and says it makes excellent feed for his livestock. When the sweet-clover seed crop was harvested Mr. Conner used the windrow method and found that the heavy litter left on the field was too much to farm thru. So this litter was raked up and stacked. He later used it for bedding in the cattle loafing shed and for litter in the poultry house. It works very well, he reports.

Mr. Conner has a new loafing shed 26 by 100 feet with concrete-block walls and aluminum roofing. A double

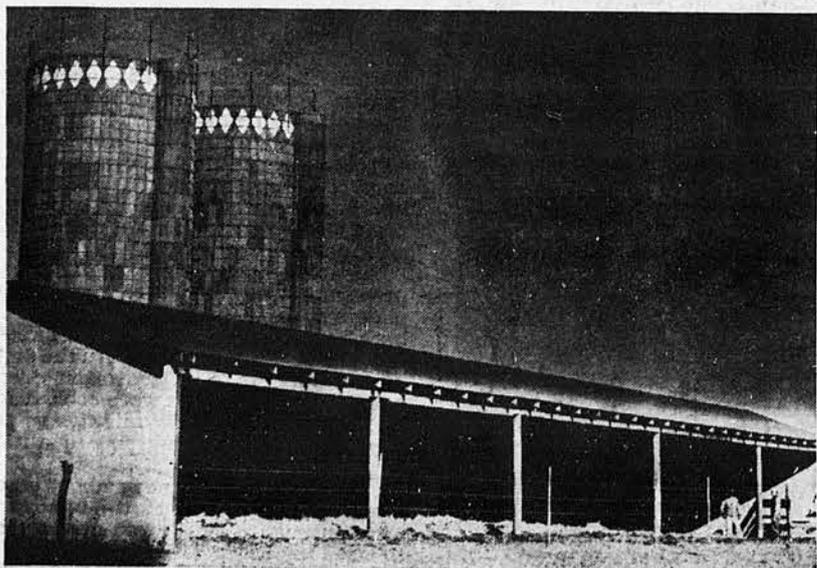
door at the back of the loafing shed opens into a short covered driveway to 2 silos. This driveway also has doors on both sides so Mr. Conner can drive his loading racks crosswise thru it for servicing part of his lots. If he prefers he can drive out thru the loafing sheds to lots just in front of it, or can feed inside the shed in extreme weather. This arrangement allows a maximum of efficiency for both the shed and silos.

Hen Is Different

The chicken has a relatively short large intestine, being only about 3 per cent as long as the small intestine. This is in direct contrast to other farm animals whose large intestine is about 30 per cent as long as their small intestine. This decreased length of the large intestine in the fowl is a contributing factor to the hen's inability to digest large amounts of fibrous foods. —C. L. Gish, poultry husbandry.



The sweet-clover litter, shown at right on the Lester Conner farm, Rice county, was raked and stacked after seed was threshed, and used for bedding and for poultry litter. George Sidwell, Rice county agent, is the man in the picture.



This new loafing shed on the Lester Conner farm is connected to the silos at rear by a covered driveway.

Flying Farmers

AN ATTEMPT to standardize the new aerial spraying industry will be made at Kansas City, April 21 and 22, in the Municipal Auditorium. Those are the dates for the National Agricultural Aviation Conference arranged by the National Flying Farmers' Association.

Representatives from every profession concerned with the new industry have been invited to take part in the conference. Men of prominence from all the allied professions are to be speakers on the 2-day program. Included will be the secretary of agriculture as well as the CAA administrator.

Here are a few items that will be considered: Short courses for dusters and sprayers in all states to familiarize pilots with the chemical and agricultural aspects of aerial cropping. Minimum requirement standards for dusters and sprayers for protection of consumers. Study of present equipment available for application of chemicals. And possibly a permanent organization for research and dissemination of information relating to crop spraying.

Air Your Views

If you have any ideas on how your airplane can be made more useful on your farm, the place to air your views will be at the national convention of the Institute of Aeronautical Science. The dates are April 29 and 30, at the Allis hotel, Wichita.

At the meeting of the board of directors in Dodge City, March 7, it was agreed to participate in the convention with the executive committee acting as the official representative of the Kansas Flying Farmers.

However, arrangements have been made for a special and separate luncheon for Flying Farmers on April 30, the second day, to meet with a special panel of aeronautical engineers. Registrations for this luncheon must be made prior to 10 o'clock in the morning of

April 30. And there must be a good representation present to assure the special luncheon. This is your chance to have your say about light planes of the future.

The second soil-conservation day in which Flying Farmers were asked to co-operate was scheduled for April 14, at Marion. Interest is mounting in this new activity. The first such event was at Emporia and rated 4 stars for success. Other areas are calling for more of the same.

When Flying Farmers take non-flyers up for a look at soil-conservation practices, the passengers get a new perspective of terraces, waterways and grass seedings. But what really strikes the eye when looking down is the extent of erosion on our fields and pastures.

It was those ditches that impressed farmers taking their first rides at Emporia. The same reaction will be felt when non-flyers are taken up for the first time in other areas.

Club Is Growing

The Kansas Flying Farmers Club always has been big. Its membership always has been more than the combined memberships of any 2 other states in the national association. But it is going to be much bigger if the Kansas club meets its membership quota for 1949.

Quota for the nation this year is 8,600 members. To help reach that goal Kansas must have 700 members by the end of this year. That means keeping present members active and finding 250 or 300 more new members.

There are 2 ways to find those new members. First, more associate members. These are not farmers, have every privilege as other members except that they cannot vote and cannot hold elective office. The second way is to have wives of Flying Farmers become active members. Annual dues for the ladies is only \$2 a year.

Vocational Agriculture

By HELEN ANKENY

PAYOFF day came recently for the Beloit FFA Chapter on a co-operative project for some 60 members of that chapter. They sold 600 bushels of sorghum grain from their 15-acre field of Midland milo, planted last spring on the Mitchell county fairgrounds. A one-third share of the profits went to the Mitchell county fair board.

The Beloit FFA adviser, Howard Bradley, estimated the club would benefit \$380 from the first co-operative project of that nature ever carried out by the Beloit chapter. The 15-acre plot yielded 40 bushels to the acre and was sold for 95 cents a bushel. To get as much grain as possible, the boys gleaned the field.

Fourteen head of purebred weanling calves were purchased recently by 4 of the Beloit Future Farmers from the Woody Hereford Ranch at Barnard. Boys buying the calves were Walt Adams, Jr., DeWayne Black, Richard Morrell, and Joe Moss. All were especially pleased with the co-operation

shown the boys by the owner, Warren V. Woody of Chicago, and manager Clayton Woody of Barnard, according to Mr. Bradley. With the purchase of the calves, Beloit FFA members now have between 45 and 50 head, not counting show calves and those obtained in a calf scramble. The cattle will be put on a deferred-feeding program, highly recommended by Kansas State College.

The Beloit chapter is entering its 20th year of organization in the Beloit high school. The first year the chapter had 14 members and Morris Humes was its first president. In the decade past, the membership has grown to 75 members, 16 of whom are graduates of the Beloit chapter.

The Emporia chapter of Future Farmers, Emory Groves, instructor, recently shucked a bumper popcorn crop which they grew on one-fourth block of ground owned by the Emporia board of education. The Dynamite variety of corn was grown and had 3 good ears on many of the stalks, and the shucked corn weighed 1,661 pounds. The chapter expected to realize about \$250 from the sale of the corn at 15 cents a pound.

The Emporia chapter of 46 members has a total net worth of \$50,595.34, according to a recent survey, which is a total gain of \$15,345.04 over last year. The senior class with 5 members accounted for \$6,517.17 of the gain. Bob Carter had the highest valuation in the class with a net worth of \$7,647.96. The junior class with 10 boys made \$4,401.25 of the gain, and the sophomores and freshmen were responsible for the remainder. Richard Mays led the junior class with a valuation of \$2,247.54; Kenneth Horton, the sophomores, with \$2,523.51; and Ronald Hughes, the freshmen, with \$5,244.55.

This chapter scattered 5 bushels of kafir around the vicinity of Emporia during the recent snowstorms to feed the quail and other birds.



"Be sure to ask him to stick his tongue out, Doctor. That's the part of your visit he likes best!"

Trouble-Free, Profitable WEED CONTROL



Does NOT Clog Sprayer Nozzles!

DR. SALSBUARY'S

Weed-Kill 2,4-D

(Amine Form)

FREE
Weed Control
Booklet

Answers All Your
Weed Control Questions

Write today for your FREE copy of the new Dr. Salsbury's "Weed Control Booklet." Just send a post card, with your name and address to Dr. Salsbury's Laboratories, Charles City, Iowa.

**Formulated For Even
The Hardest Waters
Helps You Increase Yields
... Reduce Dockage**

Dr. Salsbury's Weed-Kill gives you effective... trouble-free weed control. Amine form contains a special agent that prevents precipitation of 2,4-D... does not clog sprayer nozzles. Formulated for even the hardest waters, Weed-Kill is applied with a minimum of your time and labor.

Dr. Salsbury's Weed-Kill is the favorite with many successful farmers in your area. Available in both Amine and Ester forms in container sizes to fit your needs. For easier, more profitable weed control, buy Dr. Salsbury's Weed-Kill, today. See your local hatchery, drug, feed store, elevator or implement dealer.

A Name You Can Depend Upon

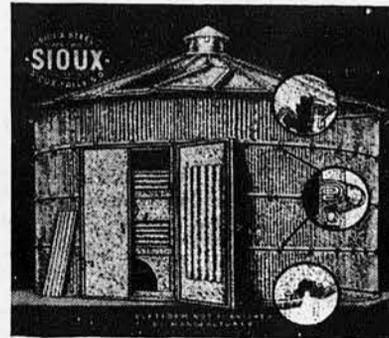
Dr. Salsbury's Laboratories
Charles City, Iowa



Make More Money!

Store Your Valuable Grain in a -SIOUX- Steel Storage Bin; Limited Supply - Order Today!

-SIOUX- Steel Storage Bins are a farm investment that pays BIG dividends—and pays them in a hurry! Harvest-time market changes can bite deep into your grain profits if you don't have your own adequate storage facilities. Storing your grain in a -SIOUX- Steel Storage Bin is like putting money in the bank—you're sure of safe, adequate storage, and higher grain prices will soon pay for your -SIOUX- Steel Bins. Forget about freight car shortages, lack of elevator space, and changing market conditions! Don't sacrifice your crop because you don't have adequate storage facilities! See the fire-proof, rodent-proof, easily erected -SIOUX- Steel Storage Bins at your nearest -SIOUX- dealers. If you do not know your dealer's name, send coupon today!



Superior Because:

1. Six-Ply 1 1/2" ribs every 22 1/2" of height!
2. Shoveling or sacking hopper or both!
3. Sturdy corrugated walls!
4. Water-tight roof!
5. Extra large ventilator!
6. Extra wide double door!

The -SIOUX- Steel Co., Dept. KF-1
Sioux Falls, S. D.

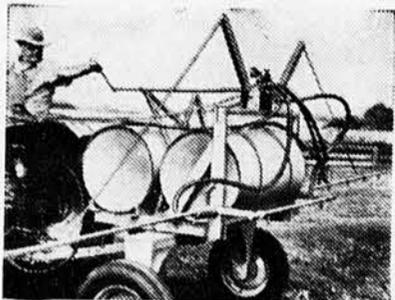
Please RUSH name of nearest dealer, plus illustrated literature and prices.

NAME

ADDRESS

**Increase Crop Yields . .
Boost Meat and Milk
Production . . Cut Costs
WITH A RUGGED ALL-PURPOSE**

CENTURY SPRAYER



Exclusive MASTER CONTROL PANEL* gives 9-way control of spray with one lever . . . any pressure up to 300 lbs. . . instant raising or lowering of boom arms. CENTURY sprayer fits tractor, trailer, or truck. Full year's guarantee. Complete line of accessories. Write for full information and dealer's name.

Distributed in Kansas & Oklahoma by
PRICE BROS. EQUIPMENT, INC.
Washington & Orme, Wichita, Kansas
Mfg. by Farm Equipment Division
CENTURY ENGINEERING CORPORATION
CEDAR RAPIDS, IOWA

GRAIN BINS



**CHAMPION
"Hi-Quality"
BINS**

LOWER COST
LONGER LIFE
Immediate Delivery

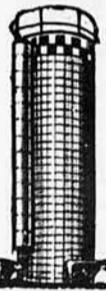
Permanent, leak-proof, crop-tight. Shipped complete. Easy to assemble—easy to move. Many sizes. SEALING PAYS FOR STORAGE. 40 years of premium quality. Also corn cribs, silos, hog and poultry houses, garages, etc.

WESTERN SILO CO.
DEPT. K-4 WEST DES MOINES, IOWA

SALINA CONCRETE STAVE SILOS

Built to Last a Lifetime

Better built, latest in design. Constructed of heavy, power-tamped steam-cured staves, joints distributed. More all-steel, air-tight, hinged doors save labor. Inside finish troweled on, plus protective coating. Salina Silos have been giving perfect satisfaction for 36 years.



Write today for Free Folder
**SALINA CONCRETE
PRODUCTS CO.**
Box K SALINA, KANSAS



PREVENT THIS!
**BE SAFE with
I.P.C. COMPLETE protection!**

Lightning that destroys, kills, causes irreparable damage and loss, can now be positively prevented by modern I.P.C. lightning protection equipment. Lightning losses in the U. S. total many million dollars a year! When I.P.C. Protection, approved by Underwriters' Laboratories, costs so little, you can't afford to risk the lives of your loved ones, or to take chances on losing cherished possessions.

Send today for I.P.C. Booklet

Independent Protection Co. Dept. KF
Goshen, Indiana
Send I.P.C. Booklet showing me how to check my buildings for adequate lightning protection.
Name.....
Address.....
City..... State.....

Coming Events

April 16—Gray county, 5-county 4-H Club days — Ford, Finney, Gray, Meade and Haskell, Cimarron high school.

April 16—Neosho county district 4-H day, Emporia.

April 18—Allen county, Southeast Kansas Holstein show, Riverside Park, Iola. 4-H and FFA judging contest will be held in connection with this show.

April 18—Cloud county sheep and swine school, Concordia. C. G. Elling in charge.

April 18—Bourbon county, Southeast Kansas Guernsey Parish show, fair grounds, Ft. Scott. Everyone is invited to attend. Prize money will be offered for 4-H, Vocational Agriculture and adult judging.

April 18+Pottawatomie county farm structures meeting, Leo T. Wendling, KSC extension engineer, leader.

April 18—Johnson county plow terracing and outlet building demonstration, Olathe, Walter Selby, leader.

April 18-20—State 4-H leaders conference, Hutchinson.

April 19—Johnson county Guernsey and Holstein district parish show, Olathe civic enterprise.

April 19—Cloud county annual spring tea, home demonstration units, Prof. John Fredrick Helm, Jr., KSC, speaker.

April 19—Scott county spring tea for home demonstration unit members.

April 19—Ottawa county sheep and swine meeting, at a farm in the A. M.; Farm Bureau basement in the P. M., Minneapolis, Carl Elling, leader.

April 19—Lincoln County Hereford Association spring show, Ed Goldgrave farm, 5 miles north Sylvan Grove, 10 a. m.

April 19—Douglas county machinery meeting, Lawrence Community Building.

April 20—Cherokee county tractor maintenance school, Farmers Union building, Columbus; for 4-H Club members, vocational agricultural students, G. I. On-the-Job Training students and interested farmers.

April 20—Crawley county farmstead planning and landscape meeting, Winfield.

April 20—Nemaha county district Guernsey show, Sabetha.

April 20-22—Barton county nutrition training school, Gertrude Allen, leader.

April 21—Butler county farm structure meeting, El Dorado, Leo Wendling, leader.

April 21—Nemaha county Black and White show, Sabetha.

April 21—Morton county irrigation tour and school, Leaders Pat Longley, Clarence Brehm, State Conservationist, and others.

April 21—Crawford county tractor maintenance school, Girard chamber of commerce, Harold Ramsour, KSC Extension specialist, in charge.

April 21—Stevens county, Roberto de la Rosa, speaker, representative of Mexican Government, Hugoton.

April 21—Harvey county, Mid-Kansas Ayrshire show, Newton.

April 22—District Guernsey show, Newton.

April 22—Reno county, District Ayrshire show, Hutchinson.

April 22—Crawley county orchard tour, W. G. Amstein, Extension specialist, leader.

April 22—Chautauqua county clothing leaders school, Sedan, Christine Wiggins, leader.

April 22—Bourbon county tractor maintenance clinic, Ft. Scott, Harold Ramsour, extension engineer, leader.

April 22—Ellsworth county beef tour.

April 22—Harvey county, Southern Kansas Guernsey show, Newton.

April 23—District 4-H Club day, Kinsley.

April 23—District Black and White show, Newton.

April 23—Ford county, District 4-H Club day, Kinsley.

April 23—Southwest district 4-H Club day, Kinsley.

April 23—Cowley county leaders meeting, 4-H clothing, Winfield.

April 23—Wichita county calf catch tour.

April 23—Wabaunsee county spring beef show and junior judging contest, Alma.

April 23—Harvey county, Ark. Valley Black and White show, Newton.

April 23—Dickinson county, district Ayrshire show, Abilene, fair grounds.

April 25—Harper county, South Central Black and White Show, Anthony.

April 25—Ford county, Care and use of electrical equipment, Harold Ramsour, specialist, leader, Dodge City.

April 25—Scott county meeting on SCS educational program, Harold Harper, Extension soil conservationist, leader.

April 25—Johnson county, farm visits and tour of commercial vegetable gardeners, W. G. Amstein, leader.

April 25—Pottawatomie county 4-H Club leaders meeting with Roger Regnier, assistant 4-H Club leader.

April 26—Cloud county unit leader training school, 10 a. m. to 3 p. m. Mrs. Vivean Briggs, family life specialist, leader.

April 27—Reno county, District Black and White show, Ellinwood.

April 27—Dickinson county, North Central Kansas Holstein spring show, fair grounds, Abilene.

April 27—Lincoln county welding school, Lincoln.

April 27—Norton county terrace maintenance and contour tillage demonstration, Melvin Mustoe farm, Norton.

April 28—Lyon county agriculture planning, all-day meeting, Little Theater, Emporia.

April 28—Doniphan county, W. G. Amstein, Extension horticulturist, visits fruit growers.

April 28—Crawford county, Roberto de la Rosa will give a talk at the Girard high school, 8 p. m.

April 28—Ellsworth county rural electrification meeting, Harold Stover, leader.

April 28—Morton county foods and nutrition meeting, Elizabeth Randle, specialist, Kansas State College, leader.

April 28—Crawley county spring tea for home demonstration units.

April 29—Annual judging contest, Hays.

April 29—Crawley county Farm Bureau farm management meeting, Butler and Cowley counties co-operating.

April 29—Cloud county 4-H judging contest, Hays.

April 29—Jackson county family life unit leaders training meeting, Holton.

April 29—Jewell county 4-H judging teams will compete at Hays.

April 29—Butler county farm management summary meeting.

April 30—Reno county, Milking Shorthorn spring show.

April 30—Annual Roundup and Feeders Day, Hays.

April 30—Morton county home improvement school, Harold Ramsour and Leo T. Wendling, leaders.

April 30—Feeders day, Hays.

April 30—Jefferson county stag party, McLouth, 8 p. m.

May 2—Allen county, Eastern Kansas Brown Swiss Canton show, Riverside Park, Iola. Judging contest held in connection with this show.

May 2—State Holstein show, Coffeyville.

May 2—Johnson county unit membership tea.

May 2—Dickinson county production and marketing quality poultry meeting, M. E. Jackson, poultry specialist, leader.

May 2-6—State 4-H workshop, Hutchinson.

May 2-6—Cowley county 4-H health contest.

May 3—Ford county garden tour, Claude King, specialist, leader.

May 3—Cheyenne county beef cattle tour, Lot F. Taylor, leader.

May 3—Barton county district home demonstration program, Great Bend.

May 4—Harper county, South Central Brown Swiss Canton show, Anthony.

May 4—Gray county garden tour, Claude King, specialist, leader.

May 4—District meeting of home demonstration week for following counties: Greeley, Wichita, Scott, Lane, Hamilton, Ness, Hodgeman, Finney, Kearney and Ford.

May 4—Jersey Parish show, Lyons.

May 5—Harper county, South Central Jersey Parish show, Harper.

May 5—Lamb and wool school, Wichita.

May 5—Finney county meeting with Claude L. King, Extension plant pathologist.

May 5—Cloud county 4-H clothing leaders school, 10 a. m. to 3 p. m.

May 5—Barton county district agricultural planning meeting, Larned.

May 5-6 Barton county implement show, Great Bend.

May 6—District National Home Demonstration Week, Washington.

May 6—Reno county meeting with Ramsour and Wendling, engineering specialists, Hutchinson.

May 6—Butler county spring lamb tour, Carl G. Elling, leader.

BENNETT HIGH SPEED DISC TRUCKS

Transport Discs
Safely, Easily
Over Surfaced
Roads



Protects blades from damage . . .
Takes only seconds to attach

Keep your disc sharp and keen . . . prevent damage to roadways . . . save time going to and from fields . . . do as thousands of farmers are doing . . . get new BENNETT Disc Trucks and transport your disc this fast, easy way.

Equipped with high-speed wheels that take regular 6.00 x 16 tires . . . Bennett disc trucks fit all makes and models of straight disc harrows. They take only a few moments to attach—detach. Can be left on disc when disc is not in use.

AVAILABLE FOR IMMEDIATE DELIVERY

Bennett disc trucks are low in cost . . . soon pay for themselves in time, work saved. Investigate today. Write for complete information and prices.

BENNETT & SON, INC. LENOX, IOWA
MAKERS OF: • JOHN DEERE A & B 5TH AND 6TH SPEEDS, • REG. & F20 ROAD GEAR & STARTER, • F30 ROAD GEARS, • ALLIS CHALMERS PULLEY SHIFT, • MORHAIN MASTER UNLOADERS FOR CHOPPED HAY AND ENSILAGE, • CORN STALK PULVERIZING EQUIPMENT.

5th Annual Meeting Kansas Cooperative Council

Three important sessions
beginning at
9 o'clock
May 2, 1949
Roof Garden, Kansas Hotel
Topeka

NATIONAL Vitrified SILOS

Everlasting TILE
Cheap to install. Trouble Free. Also Tile Stave Silos. Outside Reinforcing.

NO Blowing in Buy New
Blowing Down Erect Early
Freezing Immediate Shipment
Rowell Roller Bearing Ensilage Cutters.
Write for prices. Special discounts now
Good territory open for live agents.

NATIONAL TILE SILO COMPANY
636 Livestock Exchange Building
STATE SIZE WANTED KANSAS CITY 15, MO.

Make More Money PER ACRE . . .

**FLEX-O-SEAL PRESSURE
TIGHT
PORTABLE IRRIGATION PIPE**

You get more crops per acre . . . move produce to market earlier . . . and forecast yields more accurately if you use Flex-O-Seal Irrigation Pipe to assure enough moisture for fields, pasture and orchards when and where it is needed. Can be used on level or rolling land without Elbows or Tees. Lightweight—easy to assemble. Available in Aluminum or galvanized 3, 4, 6, and 8 inch diameters. Write for FREE folder "Rain, the Life Blood of Farming"

CHICAGO METAL MFG. CO.
3736 S. Rockwell St.
Chicago 32, Illinois

FLEX-O-SEAL

Prevent Door Slamming

A small piece of innertube tacked at the bottom of the screen door will prevent that terrible slam when the spring on the door closes it.—Mrs. A. B. C.

"Competition"

The livestock and meat industry is noted for its keen competition. Livestock is raised on almost all of the six million farms in the United States. Each farm is a separate and independent business, with a wide choice of markets in which to sell livestock.

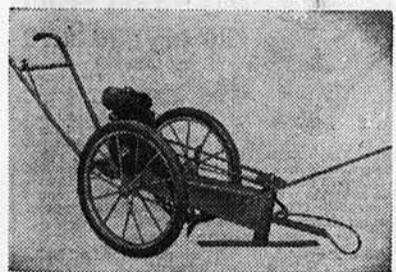
Meat animals are processed by thousands of slaughterers in the United States. These are separate and independent businesses, competing for live animals on one side and for retail trade on the other.

Meat is sold to consumers in more than 300-thousand retail food stores in this country—all competing for consumer dollars. Shoppers have a choice of many stores in which to buy meat.

Every segment of the meat industry is known for its aggressive competition. This is a healthy condition—one that helps insure efficient low-cost meat production and processing, and quick response to consumer demand.

ARMOUR
 AND COMPANY

ROOF Fence-Row WEED CUTTER



The Only Cutter With the Optional Self-Propeller!
 ROOF Fence Row Weed Cutter cuts everything—bluegrass to light brush. Rotary blade, clips clean and close in orchards, timber, lawns, along fence rows, buildings—cutting within a quarter-inch of obstacles. Has a powerful 2½ H.P. motor.

KNOLL LAWN EQUIPMENT COMPANY
 2835 Burlingame Rd.
 Topeka, Kansas
 Please send me information about the ROOF Weed Cutter.

Name.....
 Address.....
 City and State.....

From a Marketing Viewpoint

By C. P. Wilson, Livestock; John H. McCoy, Feed Grains; Paul L. Kelley, Dairy Products; Joe W. Koudele, Poultry and Eggs.

I have some good grade, 600-pound heifers that would be suitable for grazing. Is this a good time to sell?—J. K.

The near future would appear to be a good time to sell. Prices of stock cattle are high in relation to prices of fat cattle. Demand is usually strongest for this kind of stock just before the grazing season opens. After the grazing season starts, demand is likely to ease. Also, fat cattle prices may weaken as fed cattle from the Corn Belt move to market this spring. This would remove some of the support from stock cattle prices. Stock cattle prices probably are higher now than they will be for some time.

What are the prospects for wheat prices this summer?—R. C.

Based on conditions at this time it appears that the price-support program will be the major price-supporting factor as the influence of the new crop becomes more pronounced. Fundamental conditions indicate that underlying price weakness may be expected. Carryover of wheat will be near the average of the last 10 years. A recent report revealed that the seeded acreage of wheat in the United States for the coming crop will be the largest on record. Fall seeded wheat came thru winter in good condition. Soil moisture in both the winter and spring wheat regions is generally favorable. Average yields would result in a crop almost as large as that of last year, while unofficial reports indicate better than average possibilities. The export demand for U. S. wheat probably will decrease. The support rate for 1949 wheat will be 90 per cent of July 1 parity value. Parity price for wheat on March 15 would indicate a support rate of about \$2.19 a bushel for No. 1 hard wheat at Kansas City. Parity for wheat may change by July 1, but any change is expected to be slight.

Will local cream prices be supported at 90 per cent of parity?—H. R. K.

It is possible that in certain areas local cream prices will not average 90 per cent of parity. The Government is currently supporting butterfat prices by offering to buy in carload lots grade-A

Belle Plaine, in Sumner county, is the French name for beautiful plain, a name given to several towns in the United States.

butter at 59 cents a pound. Lower grades are supported at lower levels. Naturally, the degree of local competition for supplies will be a factor in determining whether local butterfat prices stay near support levels.

Can you give me an idea of how production costs for poultry will be in 1949, as compared with last year?—C. O.

According to the Bureau of Agricultural Economics, poultry feed prices will be substantially lower in 1949 than a year earlier, but other major costs of raising chickens are not likely to decline very much. Altho the cost of the farm poultry ration may average about one fifth under 1948, farm wage rates



"Every man should have a wife, so he won't have to waste so much time making up his mind about things."

and baby chick costs are expected to be about the same as last year. With the decline in feed costs, however, total costs should be somewhat lower. Most of the cost outlook analysis with respect to raising chickens in 1949 can be applied equally well to egg production and to raising turkeys.

Holstein Shows

The following dates have been set for spring shows by the Holstein-Friesian Association of Kansas:

- April 18—Iola (Southeast Kansas)
- April 19—Olathe (East Central)
- April 20—Topeka (Capitol)
- April 21—Sabetha (Northeast)
- April 22—Linn (North Central)
- April 23—Newton (Arkansas Valley)
- April 25—Anthony (South Central)
- April 26—Ellinwood (West Central)
- April 27—Abilene (Central)
- April 28—Ellis (Northwest)
- May 2—Coffeyville (All-Kansas)

Robert E. Romig, Hutchinson, will judge the first 5 shows. Professor Beck, Kansas State College, will judge the show at Newton, and C. O. Abercrombie, Eastern Oklahoma State Hospital, Vinita, will judge the last 4 district shows.

The night of May 1, at Coffeyville, the Southeast Kansas District and the Coffeyville Chamber of Commerce are planning a banquet prior to the state show.

Link With Past

(Continued from Page 18)

and Kenneth, never had the opportunity to work with the old steamers. Elmo grew up with the 40-80 Avery gas tractor. He cut his teeth on the flywheel of that old monster. Kenneth, still younger than Elmo, is now a student in agriculture at Kansas State College. He was a squad member of the championship basketball team there a year ago.

When the Mahoneys set out to do a job of threshing today, planks are part of the standard equipment. They must plank across the paved roads to keep in the good graces of the highway department. The heavy machinery would crush ordinary road surfaces.

But there is never a dull moment at threshing time. When the old steamer is first pulled from the shed travelers along the highway spot it from a distance and stop to see what is going on. Sometimes the visitors are so numerous it is difficult to get the machinery lined up for the threshing run.

Then when out in the field the black smoke of the old steamer attracts more visitors. Hardly a threshing day goes by but what Elmo gets to talk to some stranger about his hobby.

Today, the Mahoneys are strictly gas-tractor men. They both are pilots. And that starts Elmo to wondering. Wondering whether he is the only pilot in the state who can qualify, too, as a steam-engine engineer.

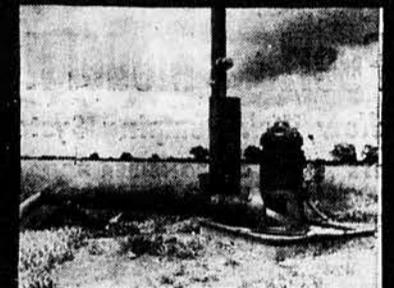
Is Barn Large Enough?

We would like some information. We had planned our barn 24 feet wide. Do you think this would be wide enough? We had planned our foundation about a foot high. Are ventilators necessary for grade-A dairy barns? How deep should the gutters be? How high should the ceiling be? Should there be a water trap in the floor drain in the milk room?—L. L. G., Hodgeman Co.

I think the 24-foot width would make the center space more cramped than is desired. In fact, narrower than some milk inspectors will approve. In addition you will lose area in either the milk room or feed room. A high concrete foundation is desirable for ease of cleaning reasons. Louvers are desirable in the ends of the gable. Windows provide adequate ventilation otherwise. With regard to gutters the tendency is away from the gutter using a sloped floor. However, I would suggest you contact your local milk inspector for more detailed information on regulations and requirements.—Leo T. Wendling, Extension Agricultural Engineer, Kansas State College, Manhattan, Kan.

Phillips county was named for William Phillips, a free-state martyr who was murdered at Leavenworth, in 1856.

Don't Gamble On Rain!



Up-to-date farming methods leave as little as possible to chance. To depend entirely on rainfall for your water supply is to invite financial disaster. . . . Avoid this needless gamble! Irrigate dependably and economically with a Worthington Vertical Turbine Pump!

Three-Way "Crop Insurance"

Proper irrigation with a Worthington Vertical Turbine Pump assures you:

BIGGER CROPS . . . by preventing loss through drought.

BETTER CROPS . . . by furnishing the right amount of water for top quality at each stage of growth.

MORE PROFITABLE CROPS . . . through Worthington's high pumping efficiency and low maintenance expense that bring you reliable irrigation at lowest cost.

With these advantages an installation soon pays for itself—especially at today's commodity prices—besides providing vital protection for your farming investment.

See Your Worthington Dealer

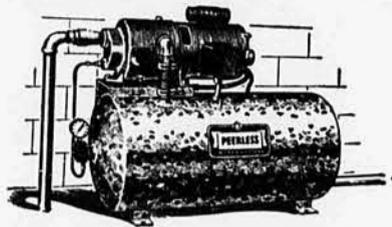
Backed by an organization with the longest, most varied pumping experience, he'll gladly help you with any irrigation problem . . . and prove there's more worth in Worthington. Prompt service through complete manufacturing, servicing and testing facilities at Denver, Colorado, and Harrison, New Jersey.

Worthington Pump and Machinery Corp.
 Harrison, N. J.
 Denver 16, Colorado



WORTHINGTON
 WORLD'S LARGEST MANUFACTURERS OF PUMPS

Compact Automatic Trouble-free



Peerless Model H Shallow Well Pumping System

275 TO 430 GALLONS PER HOUR
LIFTS: UP TO 20 FEET

Simplified in design, precision built for lasting, low cost pumping performance. Has only 1 moving part. Utilizes efficient positive displacement pumping action of the famous Peerless Water King. Constant pressure up to 40 lbs. or more. Two tank sizes: 12 gals. and 30 gals. Quiet; space-saving; reliable; easy to install, understand and operate. Write today!

PEERLESS WATER SYSTEMS

MAIL COUPON FOR FREE PUMP INFORMATION

Peerless Pump Division
Food Machinery and Chemical Corporation
Indianapolis, Indiana

Send free literature on items checked below:

- Shallow Well Pumping System
- Deep Well Turbine Pumps
- Jet Water Systems
- Deep Well Reciprocating Pumps

Name _____
Address _____
Town _____ State _____
41.

Quick, Odorless SANITATION with LIME

USE MORE

Lime is odorless... that's why poultrymen, and especially dairymen, use it so extensively for sanitation. In addition it neutralizes acids... dries built-up litter... conserves nitrogen content of manure... keeps down offensive odors.

For sanitation, Ash Grove Lime gives superior results because of its high chemical purity... your local Ash Grove dealer can supply you!

ASH GROVE
Snowflake
HYDRATED LIME

10 & 50-lb. Bags

RILCO

Wind Resistant Easy to Erect

RAFTERS

STREAMLINED, MODERN, FARM BUILDINGS OF ALL TYPES

DETAILS IN NEW FARM CATALOG

RILCO LAMINATED PRODUCTS, Inc.
2589 First National Bank Bldg., St. Paul 1, Minn.

15-Year-Old Dairyman On Road to Success



William Stein, Jr., stands by the new sign which announces the fact that he is a full-fledged dairyman at the age of 15. Bill is a Wichita town boy who fell in love with dairying thru the influence of a neighboring farmer, E. L. Reep.

WE NEVER know how much influence we have on those around us. That was the case with E. L. Reep, a purebred Jersey breeder, of near Wichita.

Mr. Reep had been in the purebred dairy business for a long time and was considered somewhat of an authority on breeding. Recently, he decided to disperse his herd and retire from the business, altho he really hated to part with those cows.

When it came time to sell his herd he found his love for the animals had exerted a profound influence on a neighbor boy, William Stein, Jr. William, 15 years old, had never lived on a farm, but he had been visiting around the Reep farm and a mutual friendship had sprung up between him and Mr. Reep. The boy took a keen interest in the herd and finally decided he wanted to become a dairyman. His father is a Wichita business man but the family lives on a suburban place near the Reep dairy farm.

The result of this situation is that Bill has taken over the top cows in the Reep herd as his foundation stock. And Mr. Reep will help him with the herd by giving him the benefit of his long

experience. Both are extremely happy over the deal.

Altho Bill is not strictly a farm boy, he has been interested in 4-H Club work for some time and is on his 5th year in 4-H work.

His plans now are to build up his dairy herd (Mr. Reep and members of the Stein family will help with the work), while he is completing his studies at Wichita North high school. The family will maintain the herd while he is attending Kansas State College to learn more about dairying and farming in general. The herd will pay most of his way thru school, and he will have a good start when he graduates.

Bill got 2 cows, 2 heifers and a good bull from the herd and bought several others at dispersal sales. He is milking 9 head now. When he gets out of school he will build the herd up to 20 or 25 milking. During his 4-H Club dairy projects, Mr. Reep has trained Bill to fit and show dairy animals, has talked to him a great deal about breeding problems and about feeding and management.

With this help and encouragement from his family, Bill feels he already is well on the way to success.

You'll Make Money on Sheep

(Continued from Page 6)

the cost over that many lamb crops. Instead of selling the whole flock, they cull out and replace some each year.

From 58 ewes last year Wesley Summervill, Marion county, sold 45 lambs for a total of \$1,170.30. He kept 5 lambs as replacements and bought 25 others from Texas that cost \$20.73 laid down at Marion. His wool clip last year accounted for another \$267, which nearly met cost of ewe keep.

Mr. Summervill had a below-average year, but still his sheep made money for him. Due to a death in the family and following inconveniences that prevented proper attention to his flock at the right time, his returns were not up

to par. Even so it was a paying program. There is a margin of safety in sheep.

This year Mr. Summervill will keep another flock of around 60 ewes. But he expects to devote more attention to them at breeding time. Good pasture prior to breeding time is important. And if pasture is not good enough, he may flush them with a little cottonseed cake, possibly some grain.

John Hett and sons, Jim and John D., Marion county, really got into the swing of sheep in the fall of 1947. They had a flock of 130 ewes. That fall they bought 130 more that had been bred for early lambing. First lamb crop paid for those ewes, Mr. Hett points out.

Out of a flock of 228 ewes this year they have more than a 100 per cent lamb crop. Bulk of the lambs came in November and early December before bad weather hit. As a result they had quite a number of lambs that were up around the 100-pound mark by the end of March. Last year lamb prices strengthened after the first of July. But the best market, year in and year out, is before the middle of June.

There were a few stragglers in the Hett flock this year. With good brome pasture this spring, they hope to get all ewes bred for early lambing. If necessary they may flush the flock with grain or protein supplement.

The Hetts are an example of the saying, "Either get in or get out of the sheep business." Specialists say if you are going to have sheep have a flock of 60 or more. Preferably more. Labor output and equipment outlay per head



"Henry's so nice to me during my illness—he's more like a neighbor than a husband."

(Continued on Page 41)

Bale Hay and Ear Corn PORTABLE ELEVATOR

All-steel portable elevator
Manufactured in Kansas
Length, 32 feet
Lifts from 5 1/2 to 22 feet
Transport height, 3 1/2 feet
Trough width, 19 1/4 inches
Equipped with 6.00 x 16 tires

Attachments
Ear corn hopper
Bale chute

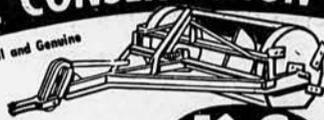
Power (extra)
2 or 3 HP
air-cooled Briggs and Stratton or 1 HP electric motor



DOSSETT MFG. CO.
McPherson, Kansas

Ideal for SOIL CONSERVATION

The Original and Genuine



Build terraces, dams, fill gullies, etc., so much easier, faster and cheaper. Load, unload, spread, dump, bulldoze backward without stopping. One man and any farm tractor does all. 1/2-yard and 3/4-yard sizes. 2 models. Insist on genuine K-S—more used than all others combined. And Lower Priced! Prompt delivery from your dealer or direct from factory.

WRITE today for free folder and very Low Prices.
CENTRAL MFG. CO., 4924 Poppleton Avenue, Omaha, Neb. Dept. K-4

MASTER V-BARS

Increase the capacity of your combine



- Even Feeding
- Smooth Operation
- Non Slugging
- Save Fuel
- Save Time
- Save Money

More Grain-Per Acre
More Acres Per Day

Proved in Service Since 1938

Replacement of Straight Bars or Spike Tooth

Write for Pamphlet Today

MASTER MANUFACTURING COMPANY
1313 East Ave. "A", Hutchinson, Kan., U.S.A.

MIDWEST GRAIN BIN



Proper storage for crop loans and insurance. AAA approved—galvanized steel construction—rodent, vermin and weather proof. Easy to erect. Write for particulars and prices. AGENTS WANTED. MIDWEST STEEL PRODUCTS CO., 121-D Railway Exchange Bldg. Kansas City 6, Mo.

PROTECT BABY CHICKS

USE OLD RELIABLE El Vampiro FROM LICE AND MITES

IN THE YELLOW BELLOWS BOX

10¢ AT ALL DEALERS

ALLAIRE WOODWARD & CO. PEORIA, ILLINOIS

Buy Direct From Factory and Save

After 10 years of building Lawn Mowers, we have developed a sickle type mower that will cut fine grass or large weeds. Will cut lawns as short as 1 in. Especially built for Cemeteries, Parks and Schools. Mower has I.H.C. Lespedeza guards and sickle, which gives double cutting capacity. Center drive on sickle permits close cutting around curbs and shrubbery. When answering this ad state type of mowing: Yards, Parks or Cemeteries.

SPECIFICATIONS
Width of Cut—36 in. Bearings—Standard Ball.
Power—1 1/2 H.P. Air-Cooled Motor.
Frame—Fabricated Electric Welded Steel.
Differential—Auto Type Drives From Both Wheels.
Drive—Standard Auto V-Belts. Gears—Machine Cut.
Tires—400x8 Pneumatic. Self Propelled.

Foushee & Heckendorn, Cedar Point, Kan.

RED AND WHITE TOP

Solving FEED PROBLEMS

Dodson Silo owners find feeding easier... and their stock has better rations. Ask for literature on Silos, Farm Buildings, Grain Bins.

DODSON MFG. CO., INC.
WICHITA AND CONCORDIA, KANSAS

LEVEL YOUR COSTS



The Miller ROTARY Scraper cuts costs in half. Eliminates drag. 3 cu. yds. of high speed loading in 2nd and 3rd gears... with 22 hp. tractors! Also in the new 6 1/2 cu. yd. model.



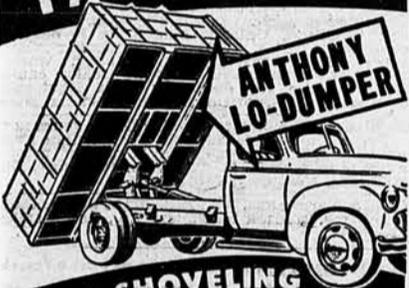
SELMA, CALIFORNIA

FREE FOLDER

Department 14
Miller Scraper Co., Selma, California
Please send folder "Let's Talk About Leveling Costs!"

NAME _____
ADDRESS _____

NOW! GET A FARM HOIST



STOP SHOVELING LET THE TRUCK DO THE WORK

Fits under your own platform, grain or stake body. You can find out all about Anthony Farm hoists from any truck dealer... find out how easy and inexpensive it is to make a dump truck out of your own platform, stake or grain body. Anthony "LO-Dumper" Farm Hoists save shoveling grain, coal, lime, gravel, produce... **IN USE 12 MONTHS IN THE YEAR.** Low loading height. Powerful, long lasting, efficient. Thousands in use. Made by truck hoist specialists.

Distributed by:
O. J. WATSON CO.
Wichita, Kan.
PERFECTION
SPRING & EQ. CO.
Kansas City, Mo.



IRRIGATION STOUT

SPRINKLER SYSTEMS

When you plan a sprinkler irrigation system **BE SURE**

you get the finest equipment, engineered by experts to fit your farm.

IRRIGATION PUMPS
Designed for
Sprinkler Systems



Write to
FARM IMPROVEMENT CO.
3523 Blake St. Denver 5, Colo.

is lower for a large flock than a small flock of 15 or 20 ewes.

With each fleece bringing in \$5 or \$6, that practically takes care of the ewe's board bill. Mr. Hett figures each lamb takes between \$2 and \$3 worth of grain and about \$1 more for legume hay. And those figures are higher than average. Figure a cost as high as 20 cents a head for drenching and dipping and 50 cents for clipping. It still leaves a wide margin for 100-pound lambs at \$30 a hundred.

Ordinarily a 100 per cent lamb crop is not difficult to attain. Louis Larsen and son, Don Larsen, Marion county, have about 130 lambs from 93 ewes in their original flock. They bought 24 bred ewes last summer to add to their flock. But they weren't bred. Lambs came in February. And how. Late in March they had 41 living lambs from those 24 ewes. They had lost 6. And 3 ewes had not yet lambed. That far the score was 170 per cent.

Altho these lambs came too late for the early market, the Larsens still expect to make a profit on them.

Favorable for the Future

In sheep you can start from scratch and make money. At least that is the way it has been, and indications still are favorable for the future. Clyde Ware, Franklin county, just started farming a couple of years ago. He has his second lamb crop this year. Last year he started with 70 ewes. He sold 70 lambs last year. Average weight was a little under 80 pounds. But they all brought 30 cents and more a pound, which is a mighty nice return, even for these days of high prices.

Mr. Ware does not have expensive equipment for his sheep. But he has it arranged for convenient handling. When he started, his pasture acreage was too small. As a result the wool clip did not pay the board bill on ewes. They needed more grain than is normally necessary. Still he made money.

He culled out about half his original flock and bought back 50 northwest ewes and 150 from Texas. As a foundation for his sheep program he seeded 37 acres of brome and alfalfa last year that will help see him thru on pasture.

One good lamb crop will pay the cost of ewes, says Chester Wagner, Franklin county. And each ewe will raise 4 or 5 lamb crops. Some even more than that.

Mr. Wagner and his son, Raymond Wagner, have been in the sheep business for several years. Their sheep are well known at the Kansas City lamb

and wool school. When not getting the high honors, they usually give the winner a tight race.

Yes, say these men, you can afford to pay \$25 a head for ewes if you have to and still expect to make money at present prices. A flock of 65 ewes is kept on the Wagner farm. About 40 of them lambed early, late November and early December. These lambs weighed 60 pounds and more early in March. They will be ready in plenty of time for the high spring market.

Group buying of ewes and group selling of lambs have become steady programs in many sheep counties. Results have been satisfactory to the producer.

These programs also reflect the trend of sheep prices. When collective purchasing was started in Franklin county in 1939, farmers were paying \$8 for ewes. Last year the price was up to \$20. This year it will be even higher and still packers are competing for yearling ewes.

Even tho high, farmers are finding they can get better ewes at lower cost thru the collective-purchasing plans in many counties. And by group marketing farmers are receiving higher average prices for lambs sold.

Maybe you don't care for a leg of lamb in the center of your dinner table. Nevertheless, there seem to be plenty who do. And the result looks like wide profit margins for ewe flockowners for several more years at least. Even if you must go as high as \$25 a ewe this spring.

\$143 an Acre

Thru double-cropping F. B. Reed, Lyon county, has grossed as high as \$143 an acre on some Elm creek bottom land. But last year he was able to equal that figure with a single crop of corn. This land lies at the head of the Marais des Cygnes river.

A 10-acre field in summer of 1946 grossed \$71 an acre from wheat. Immediately after the wheat soybeans were seeded. They accounted for another gross of \$72 an acre bringing the total up to \$143. That same field produced 83-bushel corn the following year and 93 1/2 bushels of corn an acre last year.

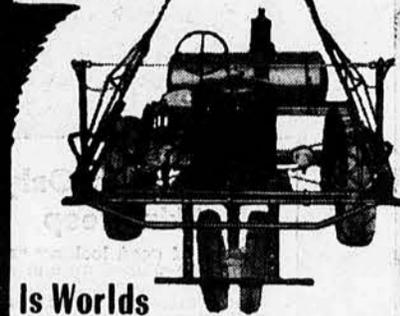
In another field, 21 acres in size, Mr. Reed last year produced 115 bushels of corn an acre. Altho it had been in corn 5 years in succession, it is used as a feed lot in winter and gets liberal amounts of manure scattered over it in that way. Manure is hard to beat for putting fertility back into the soil.



Altho he had a few stragglers, Clyde Ware had a large number of lambs that would be ready for early shipment. This one is a fine sample of several from his flock that will be ready for the packer in April.

here's why

K-SPRAY



Is Worlds Largest Selling Sprayer

LOW PRICE, with economy models from \$119.50 and up. ALL STEEL STRENGTH, electrically welded with 3 section, rust-proofed booms, individually controlled. Simple design for easy operation, installation. Extra safety, economy, precision. New HYDRO-MASTER PUMP, first self priming, power takeoff, all-in-one pump unit designed for farm use. 8-16 gal. per min. delivery, SURE filtering with replaceable milk filter disks. Lifetime lubricated, ball bearing, 100% bronze and monel metal pump, no rubber. All parts replaceable. All models available with or without high clearance, adjustable wheel tread, tank trailer unit, hand spray, other accessories. **DEPENDABLE** company, since 1885 to 1949 a leader for quality. Every unit guaranteed. 4 big modern plants assure you precision engineering, mass production, more for your money. K-Spray will be first again in 1949.



K-Spray models from \$119.50 up F. O. B.

The NEW Farm Spray Pump

Hydro-Master pumps, K-Spray fan or cone Nozzles, Nozzle Extensions, Corn Bore Nozzle adapters are available separately to modernize other standard equipment.

KUPFER PRODUCTS, INC.

Your Dealer's Name on Request

THE NEW Duplex ROTARY SCRAPER

Most modern, simplified scraper on the market. Automatically loads. Bulldoze backwards. Many other exclusive features.



Write Today for Details and Literature
DUPLEX CONSTRUCTION CO., Dept. B-19
21st and Locust Sts. East Omaha, Nebraska

Solves Your Combine and Tractor Tire Problem!



MONEY-SAVING PRICES

On Airplane Tires, Tubes, Wheels and Rims for Combines... Tractors... Trucks and Farm Implements

Use genuine AIRPLANE TIRES... manufactured to rigid Govt. specifications... strongest tires made... extra plys to withstand terrific shocks... load capacity 2 to 3 times ordinary tires. MARTIN MODERN METHOD Airplane Tires, Tubes, Stub-Axles, Rims and Wheels fit COMBINES, TRACTORS, TRUCKS, WAGONS, TRAILERS, FARM IMPLEMENTS... all sizes... GREATLY REDUCED PRICES... fully guaranteed.

WRITE TODAY FOR REAL LOW PRICES

Martin Tire & Supply Co.
154 North Emporia - Wichita, Kansas

KANSAS CERTIFIED SEED



Beauty Is Only Skin Deep

A lot of good looking grain is being polished up and sold as seed. Because of their abundant availability this is especially true of sorghums and corn.

Remember the old adage "Beauty is only skin deep" actually seed appearance is no assurance that the planter's crop will be genetically pure.

Certified seed is inspected while the crop is still growing in the field—the only time the genetic purity of most crops can be definitely determined.

Certified seed is in plentiful supply but in no enormous surplus such as there is of common seed of questionable genetic purity. Be satisfied with nothing less than certified seed. The price is higher as it should be for quality material, but certified seed does not cost—it pays!

If your dealer can not supply you, write for names and addresses of farmer growers who will be glad to handle your needs.

THE KANSAS CROP IMPROVEMENT ASSN.
Manhattan, Kan.

CERTIFIED ATLAS SORGO

Grown from foundation stock, selected by the breeder for its high sugar content. Germination 96%. Purity 99.5%. Price \$6.00 per cwt.

P. F. HANSEN
Hillsboro, Kansas

KANSAS SUNFLOWER CORN

Open, Pollinated, Germination 99%, \$4.00 bushel F.O.B., New Cambria, Kan.
IRVING G. WALDEN
New Cambria, Kan.

CERTIFIED BUFFALO ALFALFA SEED

99.50% pure. No weed seed. \$60 per bushel. In 150-lb. bags, tagged and sealed.
MRS. WILMA WINGER, Johnson, Kansas

Certified Ellis Sorghum

The new white seeded sweet sorghum forage crop. Price \$7.00 cwt. F.O.B. Liberal quantity discounts.
DARRELL E. SUTOR, Zurich, Kansas

WHEATLAND MILO

Germination 95%. Purity 99.50%. \$4.50 cwt. Discount on 5 sacks or more.
CHESTER KNIGHT, Box 496, Lyons, Kan.

CERTIFIED KANSAS HYBRIDS

K2234 White, K1639 Yellow. These are top yielding hybrids. Consult your County Agent's variety test.
Also Certified Buffalo Alfalfa.
HERBERT NILES, Lebo, Kansas

CERTIFIED ELLIS SORGO

The new White seeded, sweet stalked, earlier maturing Atlas Leota Red Cross. Germination 93%, Purity 99.40%, 8c per pound sacked.
NILES C. ENDSLEY, Alton, Kan.

Kansas Certified Hybrids—K-1639, K-1784, U. S.-13 Flats \$9.00, Rounds \$5.50. Freight prepaid. Dealers write for prices. Otto Rosenau, Eudora, Kan.

Pure Atlas Sorgo Seed. Germination 91%. Price 7 cents per pound. Special rate on orders of 1,000 pounds or more. T. Max Reltz, Belle Plaine, Kan.

Pure, Certified Pink Kafir, Norkan, Midland and Ellis, the new white-seeded sweet sorghum forage crop. Fort Hays Experiment Station, Hays, Kan.

Certified Seed for Sale: Atlas, Blackhull Kafir, Axtell Sorgo and Soybeans. K-1784, K-1585, K-2234 Seed Corn. J. E. Sowder Seed Co., Toronto, Kan.

Certified Red Kafir, germination 92%, 4c lb. U. S.-13 and K-1784 hybrid seed corn, \$7 flats. Alvin Morgan, Osage City, Kan. Elbert Horton, Lebo, Kan.

Certified Sumac Seed, Early Kansas variety, for sale. Germination, 93%. Purity, 98%, \$6.00 cwt. Marc C. Rucker, Burdett, Kan.

Certified Axtell Sorgo, Germination 96. Purity 99.50, \$7.00 per hundred. Ship Santa Fe or U. P. Oral L. Myers, Barnard, Kan.

Pure Certified Axtell Sorgo Seed. Germination 86%, \$5.00 per cwt. Lots of 10 bags at \$4.00. Louis Oborny, Bison, Kan.

Certified Atlas Sorgo. Germination 96%, 1,500 bushels for sale in quantities only. George Wierenga, Cawker City, Kan.

Certified Coes Milo. Germination 89%. Purity 98.78%. \$7 per hundred. Clarence Busse, Bird City, Kan.

Certified Atlas Sorgo—7c. Germination 90%. Freight paid on cwt. Geo. E. Thornton, Humboldt, Kan.

Certified U. S. 13, K1784, Atlas Sorgo, K4 Harold Staadt Seed Farm, Ottawa, Kan.

Home Grown Certified Kansas Hybrid Seed Corn

K1784 — K1585
All top quality. Detasseling, processing, grading and sealing all properly supervised. State inspected and approved. All seeds treated with Spergon.
Prices K1784 and K1585 flats \$7.00, rounds \$6.00. Certified Blackhull Kafir \$4.50 per 100 pounds.
JOHN L. WINGERT, Dunlap, Kansas

Kansas Certified Hybrids

The best for Kansas conditions
1639, 1784, U. S. 13 yellow, \$9.00 bushel. 2234 and 2275 white, \$10.00 per bushel. Freight paid. Good quality. High germination. Spergon DDT treated.
H. F. Roepke, Rt. 3, Manhattan, Kan.

CERTIFIED SEEDS

Westland Milo and Norkan Cane
F. E. HARNDON, Liberal, Kan.

Certified Hongkong Soybeans, germination 90%, \$6.00 cwt. Certified Atlas, germination 93%, \$6.00 cwt. Earl Collins, Florence, Kan.

Pure Kansas Certified Midland Milo. Germination 92%, \$6.75 cwt. Barton Ullsh, Route 3, Peabody, Kan.

Kansas Certified Atlas Sorgo, Germination 93%, Purity 99.50%, \$7.00 per cwt. R. E. Thomas, Humboldt, Kan.

Hybrid Seed Corn

You can make more money by planting our High Germinating, accurately graded and Spergon DDT treated Hybrid Seed Corn this year. It is adapted to the soil and climatic conditions in Kansas.

Certified varieties U. S. 13 & K1784
Uncertified varieties C92 & UTZ 100

Priced right. Wholesale and retail.
L. L. UTZ, Highland, Kansas

CERTIFIED SEEDS

Atlas Sorgo 99.50 96 \$6.00 cwt.
Blackhull Kafir 98.39 92 4.50 cwt.
Send check or cash with order. All orders filled promptly. Best seed I ever raised.

Thos. Cosgrove, Seed Grower
OLD HOMESTEAD RANCH
(90 Years continuous family ownership)
Council Grove, Kansas

Kansas Certified Hybrid Seed Corn—K2234, K2275, white \$10.00 bushel for flats, K1784, K1585 yellow, \$9.00 bushel for flats. Spergon DDT treated. Freight prepaid. Descriptive folder on request. Harris Houston, Potwin, Kan.

Certified Atlas Sorgo—bred for sweet stalk, \$7.00 per cwt.; K-1585 and K-2234 hybrid corn. Trinoka 27 hybrid and combine Blackhull Kafir, C. C. Cunningham & Sons, El Dorado, Kan.

Certified Axtell Sorgo, 94% Germination, \$7.00 cwt. Discount on quantity orders. Victor Doubrava, Wilson, Kan.

Classified Advertising Department

SEEDS

ALFALFA SEED

Hardy, Re-cleaned Tested, Kansas Grown \$23.70
Sweet Clover, \$10.80; Kansas Brome Grass, \$5.30; Treated Buffalo Grass, \$25; all per bu., track Concordia, bags free. Carries return guarantee. Samples, folder, prices other seeds on request.
JACK BOWMAN, Box 615, Concordia, Kan.

Special Offering: Fancy Alfalfa seed per 100 lbs., \$45.00; Choice, \$40.00. Red Clover, \$38.00; Sweet Clover, Choice, \$15.00; Fancy, \$18.00. White, \$20.00. Lespedeza, \$8.00. Brome Grass, \$22.00. Achenbach, \$34.00. Orange Cane, \$4.00. Millet, \$6.00. Sample free. Hayes Seed House, Topeka, Kan.

\$9.50 Delivered Free for Hybrid Seed Corn, Kansas certified flats, treated, K-1784, U. S.-13, K-1639, K-1585, \$10.50 for K-2234 White. Stands guaranteed. A. E. Kelley, Box 398, Salina, Kan.

Buffalo Grass Seed — Treated. Pastures and lawns. 1 lb. 1.000 sq. ft. for lawns. \$1.25 lb. Quantity discount. Mike Bird, Hays, Kan.

Axtell Sorgo, 86% germination, \$3.50 per cwt. Lloyd Spessard, Arlington, Kan.

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

PLANTS AND NURSERY STOCK

(HOME ORCHARD COLLECTION)
2 Apple, 10 Peach, 2 Plum, 1 Cherry, 10 Grapes, 25 Thornless Boysenberry and 100 Dunlap Strawberry Plants; best varieties for your section, large 2-year trees, well branched 4-foot and up, \$7.95 postpaid to your mailbox. PEACH TREES—Nice 2-foot size for orchard planting, \$15.00 per 100; 50 at 100 rate; 25 \$4.00. All postpaid. Varieties—Elberta, Red Indian and Early Rose.
IDEAL FRUIT FARM, Stillwell, Okla.

Vegetable Plants—Large, stately, well rooted, hand selected, roots mossed. Cabbage—Wakefields, Dutch, Copenhagen, 200—75c; 300—\$1.00; 500—\$1.25; 1,000—\$2.25. Onions—Bermudas, Sweet Spanish, 500—\$1.00; 1,000—\$1.75; 2,000—\$3.00. Tomatoes—Earlana, John Baer, Marglobe, Bonny Best, Rutgers, 200—75c; 300—\$1.00; 500—\$1.50; 1,000—\$2.50. Pepper—California Wonder, Chinese Giant, 50—40c; 100—60c; 200—\$1.00; 500—\$2.00; 1,000—\$3.50. Sweet Potato—Porto Rico, Nancy Hall, Red Velvet, 100—60c; 200—\$1.00; 500—\$2.00; 1,000—\$3.50. All postpaid. Prompt shipment. Satisfaction guaranteed. Culver Plant Farms, Mt. Pleasant, Iowa.

Plants: Cabbage—Charleston, Jersey. Tomatoes—Rutger, certified. Potatoes—Porto Rico, Red Velvet, Nancy Hall, Bunch Porto Rico, 400—\$1.40; 1,000—\$3.00; 3,000—\$8.50. Postpaid. Satisfaction guaranteed. Bruce Rhodes, Malvern, Ark.

Strawberry Plants: Blakemore, 100—\$1.00; 1,000—\$6.00. Everbearing Progressive \$1.50—100. J. M. Basham, Alma, Ark.

PLANTS AND NURSERY STOCK

Strawberry Plants — (Certified) Blakemore, Dunlap, Aroma and Klondike, 100—\$1.00; 500—\$4.50; 1,000—\$8.50. Giant Robinson and Premier 100—\$1.25; 500—\$5.50; 1,000—\$10.00. Everbearing Strawberries—large, thrifty plants will bear this year—Mastodon and Gem, 25—\$1.00; 100—\$2.50; 200—\$4.50. Genuine Streamliner, 25—\$1.25; 100—\$3.50; 200—\$6.50. 25 Eldorado Blackberries or Thornless Boysenberry, \$2.00. 25 Latham or St. Regis Red Raspberry, \$2.00. 25 Cumberland best Black cap, \$2.00. 10 2-year Concord or Fredonia grapevines, \$2.00. Special—25 Asparagus, 6 Rhubarb and 100 Dunlap Strawberries, \$2.00. Everything postpaid. Labeled true to name, full count and satisfaction guaranteed. Catalog free. Ideal Fruit Farm, Stillwell, Okla.

Strawberry Plants — Hardy northern grown, double inspected Dunlap, Aroma, Blakemore 200—\$2.00; 500—\$4.50; 1,000—\$8.50. Premier, Belmar, Giant Robinson 200—\$2.50; 500—\$5.75; 1,000—\$11.00. Giant Gem, Streamliner or Minnesota 1166 everbearing 100—\$2.25; 500—\$10.00, 20 Mammoth Rhubarb \$1.00, 10 Concord Grape, \$1.00. Fresh plants. Prompt shipment. Everything postpaid. Iowa Nursery, Farmington, Iowa.

Sweet Potato Plants—Improved and Straight Porto Rico, Red Velvet, and Jersey. Certified true to variety. Tough, well rooted, grown in the open on new ground, 300—\$1.25; 500—\$1.75; 1,000—\$2.50; 5,000—\$11.50; 10,000—\$21.50. All prepaid. Larger orders \$2.00 per 1,000 FOB. Keller's Sweet Potato Storage, Ardmore, Okla.

Send No Money—pay on arrival—certified plants. Frostproof Cabbage, Onions, Tomatoes; Pepper, Broccoli, Brussel Sprouts, Cauliflower, 200—\$1.00; 500—\$1.50; 700—\$2.00; 1,000—\$2.50; 5,000—\$10.00. Leading varieties, mixed anyway wanted, mosspacked. Texas Plant Farms, Jacksonville, Texas.

Sweet Potato Plants—Improved Portoricos and Nancy Hall, 200—\$1.00; 500—\$1.50; 1,000—\$2.50. Prompt shipment. Satisfaction guaranteed. J. D. Dellinger, Gleason, Tenn.

MACHINERY AND PARTS

Sprayers, parts and accessories. Largest stock in Middle West. Build your own for as low as \$78.50. Complete weed sprayers with boom mounting brackets from \$115.00 up. High pressure sprayers from \$437.00 to \$3,000.00. New and used sprayers, air-cooled engines, 1.3 to 30 HP and power dusters. Complete line of spray materials at attractive prices. Solving the farmers' spray problems for 25 years. Write for 1949 high and low pressure sprayer catalogs; and detailed information and instructions on spraying materials. Also bargain listing of new and used equipment. Evans Orchard Supply Co., 303 Delaware, Kansas City, Mo.

Farrar V-Pulleys 6 to 30-inch diameter and V-Belt conversion drives for International 123SP, 125SP, 122; Case A6, A, B, C, H, M, K, F, QRS; Holt-Caterpillar 34, 36; drives for John Deere 17, 5A, 5; Engine drive for M-M Jr., G2, G3, G4. Avoid breakdowns, lost time; reduce vibration; save repair costs. Directions for installing. Write for free descriptive literature for your machine. Farrar Machine Shop, 111 Main, Norwich, Kan.

Hollingsworth Hi-Compression Kit Inserts and gasoline manifold, for John Deere A-B-G-GM and D Model tractors. Thousands in use. See your dealer, and if he can not as yet supply you, write Canfield Supply Co., Fairfield, Iowa.

New and Used Tractor Parts. Write for big, free 1949 catalogue; tremendous savings. Satisfaction guaranteed. Central Tractor Wrecking Co., Des Moines 3, Iowa.

Richman's Grain Elevators, Blower and Auger-Type. Poorman's price \$130 up. Immediate shipment. Write for free circulars. Link Mfg. Co., Fargo, N. D.

One 1928 Model H Case Combine 12-ft. cut. Priced right. G. H. Schlesener R-1, Hope, Kan.

FARM EQUIPMENT

WHITE HOUSE PAINT

Guaranteed unconditionally 3 years. Pure linseed oil and white lead. A \$5.49 value. Mail orders filled. Limit 25 gallons per customer.
\$3.88 per gallon.
Moore's Farm Store, 7 West B, Hutchinson, Kan.

Mr. Farmer: Convert your hand mower to power mower and snowplow with Handy-Dandy Lawn Mower Conversion Kit. Installed on mower in 3 hours, snowplow converts in minutes. Used with any small gasoline or electric motor. (Lauson or Briggs engines. Pennsylvania mowers in stock. Immediate delivery.) Kits available with or without engines. Fits 16- to 20-inch mowers. Dealers wanted. LeClaire Manufacturing Co., Dept. KF, LeClaire, Iowa.

Massey-Harris Self Propelled Combine owners. For a more trouble-free harvest get Motor Stabilizer that stops motor vibration. Ends pilot shaft troubles. Unloads bin grain in one and one-half minutes. Also Omeco Shaker Shaft. Made of Eystanese-Manganese steel, world's strongest. Guaranteed. If your dealer cannot supply, write for details. Omaha Equipment Company, 619 Securities Building, Omaha, Nebr.

Skyline All-Purpose feed mills. Order yours now. Price complete is \$245.00. Satisfaction guaranteed. This price good only until our present stock is exhausted. R. V. Lehner Company, Distributors, Ness City, Kan.

Quality Tarpaulls. All sizes. Right prices. Catalog free. Hudson Machinery Co., Los Angeles, 27, Calif.

AUTOMOTIVE

Welding Generators, 150 ampere \$47.50. 1/2 horse, 3450 RPM motors \$17.00. 3/4 horse, \$22.00. Compressors \$17.50. Butler, 1885 Milwaukee, Chicago.

FILMS AND PRINTS

3c Deckledge Reprints 3c

Beautiful Velox Deckledge prints made from your negatives only 3c each. 6 or 8 Exposure rolls developed and printed on deckledge paper 25c. Artcraft DeLux enlargements three 5x7 only 50c. Four 8x10 enlargements from negatives \$1.00. Your favorite photo copied and 10 printed made 65c.
SUMMERS STUDIO, Unionville, Mo.

16 Enlarged, Jumbo, oversize deckled prints from any 6-8-12-16-20 or 36 exposure roll film developed only 35c and this ad. Electronically exposed. Enlargement coupon free. Skrudland, 6444-H Diversey, Chicago.

16 Enlarged Jumbo Oversize Prints from any 6-8-12-16-20 or 36 exposure roll film developed only 35c and this ad. Free coupon. Modern Electronics Co., River Grove, Ill.

Three Prints Each 8-exposure roll 40c. Two each 35c. One each 25c. Reprints 3c. L. V. Eastman, Bode, Iowa.

CHINCHILLAS

CHINCHILLAS

THE COMING FUR INDUSTRY
Can be raised successfully and profitably on the farm. Inexpensive to feed. Strictly vegetarian. Easy to care for. Quality pedigreed stock guaranteed to reproduce.
C. F. MARSHALL
1811 W. Bijou
Colorado Springs, Colo.

LIVESTOCK ITEMS

Make More Profit under average farm conditions. Raise Milking Shorthorns. For average farmer Milking Shorthorns are unbeatable. Produce 4% milk. Have greater carcass value than other breeds, second to none in producing milk and meat from home-grown roughage and grain from your farm! Free facts. Or subscribe to Milking Shorthorn Journal, Six months, \$1.00; one year, \$2.00; three years, \$5.00. American Milking Shorthorn Society, 4122 So. Union Ave., Dept. KF-5, Chicago 9, Ill.

Abortion and Mastitis — Literature Free; Gov't Licensed Vaccine Strain 19; Mam-O-Lac, effective for Mastitis. Penicillin and DDT Circulars. Complete line Farmade Products. Low prices. Kansas City Vaccine Co., Dept. P, Stockyards, Kansas City, Mo.

DOGS

English Shepherd: Puppies. Breeder for 22 years. Shipped on approval. 10c for pictures and description. H. W. Chestnut, Chanute, Kan.

English Shepherd Puppies, Spayed females. Older working dogs. E. Barnes, Collyer, Kan.

Shepherds, Collies, Heelers, Watch Dogs. Zimmerman Farms, Flanagan, Illinois.

EDUCATIONAL

AUCTION SCHOOL Learn Auctioneering America's Leading Auctioneers Teach You. Students sell actual Sales. Largest school in world. 14 years in operation. Don't be misled. Term soon. Free catalog. Write
REISCH AUCTION SCHOOL, Mason City, Iowa

Make Up to \$30-\$40 Week as a Trained Practical Nurse! Learn quickly at home. Booklet free. Chicago School of Nursing, Dept. F-4, Chicago.

MUSICAL INSTRUMENTS

Safe Place to Buy a piano. Bennett Music House. 40 years in Wichita, quality and price, you get both. Liberal trade-in for old piano. Famous make Spinets \$495.00 to \$1,000.00. Come to Wichita or write Bennett's—free catalog.

BABY CHICKS



The Kind You Need for High Egg Production... WHITE LEGHORN chicks from real trapnest ROP farm...

RUPP'S STARTED PULLETS

3 to 9 Weeks Old Day-Old Baby Chicks each Monday and Thursday. All of Rupp's Pullets and Baby Chicks are from flocks with 45 years of scientific breeding backing them.

CHICKS AND TURKEY POULTS

U. S. Approved. Fullorum Controlled. Both chicks and poulters are from U. S. R.O.P. bloodlines and based on quality. Careful consideration given to our customers.

Wonderful POULTRY BOOK

FREE LOW PRICES 48 varieties SEX-LINKED and PUREBRED ORIGINAL Flocks of all ages. Also STARTED CHICKS BABY TURKEYS...

High Quality Baby Chicks

Order now. Fifteen breeds to choose from. Write for price list. BARTON HATCHERY, Burlington, Kan.

Coombs Chicks. Get your chicks from real ROP trapnest breeding farm. If you raise Leghorns, get our strain-crossed White Leghorn chicks.

Greater Poults with Ames In-Cross 301 Chicks. Bred on the same principles used in producing Hybrid Corn. Poultry raisers say: "We have never had chicks as good as these."

Started Capons and Tindell's U. S. Approved Fullorum controlled quality chicks. Popular New Hampshires, rapid feathering White Rocks and others.

Bush's Bloodstested Barred, White Rocks, Reds, Wyandottes, Hampshires, \$8.95; pullets, \$14.95; cockerels, \$10.95; White Leghorns, Austra-Whites, \$8.95; pullets, \$14.95; Heavy Assorted, \$8.45; Mixed, \$7.95; Leftover, \$6.95; Barnyard Special, \$5.95; Table Assorted, \$4.95. FOB, 100% alive. Catalog, White breeds, grades, prices. Bush Hatchery, Clinton, Mo.

Thompson—Quality, bloodstested White, Barred Rocks, Reds, Wyandottes, Hampshires, \$8.95; pullets, \$12.95; cockerels, \$9.95; Anconas, Minorcas, White, Brown Leghorns, Austra-Whites, \$8.95; pullets, \$14.95; Assorted Heavies, \$7.95; Mixed Assorted, \$6.95; Leftovers, \$5.95; Barnyard Special, \$4.95. 100% alive FOB. Thompson Chicks, Springfield, Mo.

Baby Chicks Fullorum tested. Production bred. White Leghorns, 3 hybrids, 6 heavy breeds. Tudor's Hatchery, 2014 North Central, Topeka, Kan.

Free Chick Guide... A valuable help in selecting better egg and meat bred chicks. Sent free! Write Chas. M. Estes, Dept. 13, Springfield, Mo.

Day Old and three week chicks. All breeds. Pullets and chicks. Robidoux Hatchery, St. Joseph, Mo.

TURKEYS

Turkey Poults—Amazing profits with Hamilton Strain super-broad breasts. Growers report 18-pound hens, 28-pound toms at 5 1/2 months. Make 1949 your banner year—raise these super broad breasts for extra profits. Also Wagon Wheel Strain broad breasts, White Hollands and all other breeds. Poults available for immediate and future delivery. Write Zealand Hatchery, Zealand, Mich.

TURKEY POULTS

U. S. Approved—U. S. R.O.P.—Fullorum Clean Genuine Broad-Breasted Bronze Poults hatching twice weekly in our exclusive turkey hatchery. Order now. Brady's Turkey Farm and Hatchery, Paola, Kan. Quality Turkeys since 1928.

ORDER DeFOREST BROADBREASTED BRONZE TURKEY POULTS Available for immediate or future delivery. All Poults U. S. Approved, Fullorum Controlled, Tube-tested under Kansas Plan. Write today for Literature. Write for Your Free Folder DeFOREST HATCHERY AND POULTRY FARM Peabody, Kansas

BABY CHICKS

Baker's Reliable Chicks. Big, healthy, grow fast, feather early, heavily meated, excellent layers. Official egg contest records, 3 times world's champions. Our 51st year satisfied customers world wide. Free catalog. Write today. Baker Chicks, Box F, Abilene, Kan.

Baby Chicks, 10 Breeds, Surplus Pullets, \$12.95; Assorted Heavies, \$6.85; Mixed Assorted, \$6.45; Leftovers, \$4.95; Barnyard Special, \$3.95; Odds-ends, \$2.95. 100% alive. FOB. Send money order. Clinton Chick Store, Clinton, Mo.

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

When you order DeForest "Blueblood" Chicks, you order the finest that money can buy. Send for free literature today. DeForest Hatcheries, Box A, Peabody, Kan.

BUFF ROCKS

Baker's Buff Plymouth Rocks. Big golden beauties. Grow fast, feather early, excellent layers, heavily meated. Try them. They are superb. Our 51st year. Three times World's Champions. Official Egg contest records. Chicks \$16.90 per 100. Free catalog. C. R. Baker, Box F, Abilene, Kan.

DUCKS AND GEESE

Geese, Goslings, Goose eggs (all varieties). Safe delivery anywhere. Bulletins on raising geese. We buy purebred geese and eggs. Peyton Goose Hatchery, Route 2CK, Duluth, Minnesota.

NEW HAMPSHIRE

Write for information about Bockenstette's New Hampshire chicks. High egg records, 13 years high livability records, strict culling and blood testing assures you of greater profits in the future. Bockenstette's Hatchery, Box 283-A, Hiawatha, Kan.

Cantrell's Famous Purebred, bloodstested, U. S. Approved, Husky New Hampshires. Free circular on chicks that live, grow, lay and pay. Cantrell Poultry Farm and Hatchery, Carthage, Mo.

POULTRY—MISCELLANEOUS

Peafowl, Pheasants, Bantams, Waterfowl, 30 varieties Pigeons. Free circular. John Hass, Bettendorf, Iowa.

WANTED TO BUY

Old U. S. Envelopes and Stamps, used before year 1890. Many worth \$1.00 to \$50.00 each. Leading collector will give you valuable information without one penny cost. No catalogs or lists to sell you. If you have old family letters or business correspondence, that is where you will find them. Write me for information—no obligation whatever on your part. Address R. Rice, 2652 Asbury Ave., Evanston, Ill.

REMEDIES—TREATMENT

Latest Methods treating Piles, Fistula, Colon-Stomach disorders. Write for free book. McCleary Clinic and Hospital, E440, Excelsior Springs, Mo.

Stick! Herbs for Health. Free book. Write Woodland Herbs, Bay Port 9, Mich.

OF INTEREST TO WOMEN

Sizes 38 to 52—Better Dresses, Suits, Blouses, Lingerie, economy priced in slenderizing new styles! Write for free catalog. Royalty, Dept. KF4, 118 East 28th St., New York 16, N. Y.

Kastside Maternity—Seclusion Hospital for unmarried girls, State licensed. Working reduces expenses. 4911 E. 27th, Kansas City, Mo.

MISCELLANEOUS

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

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

Artist's Portrait Drawing, person or pet. Likeness guaranteed. Send \$1.00 and photograph. Kay Harris, P. O. Box 550, Palm Springs, Calif.

FARMS—KANSAS

160 Acres—1 mile town and high school, on main highway, level upland, 100 plowed, 60 good pasture, 50 in wheat goes, good buildings, electricity, \$14,000. T. B. Godsey, Emporia, Kan.

FARMS—MISCELLANEOUS

Retiring Owner's Bargain... well-watered 80-acre Kansas farm within 2 miles town, good buildings, electricity, improvements alone worth more than price at only \$5,600! Good 5-room house, well, 30x40 barn, 12x30 poultry house, brooder house with brooder stove included, double garage, cement cave, hog house; gravel RFD road, 3/4 mile grade school, 20 minutes college town; 40 tillable, alfalfa, balance mixed pasture watered by spring, ponds, 2 wells, dozen fruit trees, 1,000 strawberry settings, small vineyard; see this unusual buy soon at only \$5,600, terms. Details page 60 big free Spring catalog many states. United Farm Agency, 428-KF BMA Bldg., Kansas City 8, Mo.

Sprout's New Farm Catalog! Time and Money-Saver—Free! Describes 2,790 bargains—poultry and unexpd. dairy, beef, grain, alfalfa, truck, fruit, poultry farms, 15 states Coast-to-Coast. Write now for your free copy! Sprout Realty, 20 West 9th St., Kansas City 8, Mo.

KANSAS FARMER Classified Advertising WORD RATE

Table with columns: Column Inches, Cost Per Issue, Column Inches, Cost Per Issue. Minimum—1/2 inch. Livestock Ads Not Sold on a Per-Word Basis DISPLAY RATE

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

RESULTS Very Good, says "Please continue our advertisement in Kansas Certified Seed Section. Results from this ad have been very good. HAROLD E. STAADT"

RELIABLE ADVERTISERS ONLY ARE ACCEPTED IN KANSAS FARMER

IN THE FIELD



Jesse R. Johnson Topeka, Kansas Livestock Editor

and MIKE WILSON, Livestock Fieldman, Muscotah, Kansas.

BERGMEIER and KOERNER, proprietors of the BK Hereford Ranch, Longford, report the recent purchase of the bull, Dandy Larry D. 48th, from J. S. Bridwell, owner of the Bridwell Hereford Ranch, the home of the Larry Dominos. The young bull purchased is a son of M. W. Larry Domino 30th and a grandson of Larry Domino 50th. His dam, Larrys Lady A 45th, is a daughter of Larry Domino Jr. by Larry Domino 50th. The new owners will await with interest the arrival of the first calves sired by the new herd bull.

It appears that a brief report of the RAYMOND W. O'HARA POLAND CHINA sale has been omitted from our public sale notices. The sale was held during the stormy and unsettled period the latter part of February. The boildown report is that weather conditions and an unusually sharp drop in commercial markets the week before the sale was held resulted in an average of \$90 a head with a top of \$127 paid by Richard Childs, of Belleville. But, Mr. O'Hara is not at all discouraged and will proceed with the good Poland Chinas. R. J. Fulton was the auctioneer.

An interested spectator at the recent NORTH CENTRAL KANSAS SHORTHORN SALE, held at Beloit, was W. E. Baldwin, of near Ada. Mr. Baldwin, now in his 85th year, attended his first Shorthorn sale at Manhattan in 1884. He was at that time a student at Kansas State College and the sale was held at the college. Mr. Baldwin is hale and hearty and says the public sale is educational and affords him more thrills than the average picture show or even a circus. His first sale helped start him on the road to breeding better cattle and he has been in that business ever since.

I have a very interesting letter from RANDALL TUCKER, of Codell. Mr. Tucker reports an unusually heavy demand for Spotted Poland China bred gilts and says he is entirely sold out and could have sold many more from the advertising recently carried in Kansas Farmer. A nice crop of spring pigs is now on hand and prospects are fine for buyers later on. Randall is a son of Steve Tucker, an early settler in this part of Kansas and one of the first to establish a herd of registered Poland China hogs and Shorthorn cattle. He is now past 81 years old but still enjoying good health and interested in everything that is going on.

I have just received a very interesting letter from one of the oldest and most successful Duroc breeders in the entire country. G. M. SHEPHERD remits for advertising, sends new advertising copy and incidentally mentions some of his 1948 accomplishments. He rarely brags on what he has done, usually he uses up his time telling about the Durocs. But in his letter he mentions having raised and sold 60 spring boars in 1948; bred, sold and farrowed some 70 Duroc ladies since the middle of last October. Besides this he is farming 3/4 quarters of Rice county land. A good boar customer who lives at Onaga, recently wrote Mr. Shepherd as follows: "The good boar I bought from you sired me the best feeder and doer Durocs that I have ever had on my farm. I have raised and fed 16,000 worth of porkers sired by him!" Mr. Shepherd has a good lot of spring pigs for the trade.

An estimated crowd of 1,000 people jammed the big tent to attend the RIEDINGER HEREFORD RANCH dispersion sale of the registered Hereford cattle owned by the Motor Truck Sales and Service Co. The sale was held at the Riedinger Ranch, near DeSoto, Mo. Buyers from several states took the offering of 98 lots at \$42,125, with an average of \$430. Eight bulls brought \$8,460, averaging \$1,057. Top bull sold for \$2,825 on Lot 1, TH North Star 9th, and the top female at \$800, Lot 52, ECF Donna Aster, both tops bought by R. E. Snyder, Langford, S. D. Second top on bulls was \$2,000 bought by J. J. Beeby, Alton, Ill., Lot 2, RH Ed Mar Star. Cols. Guy Pettit and Hamilton James sold the press, assisted by Col. Bob Stoves and men of the press, Donald J. Bowman, Livestock Sale Service, Hamilton, Mo., managed the sale.

The Hughie Johnston & Son Sale Pavilion, at Windsor, Mo., was packed to capacity on Saturday, March 26, for the MRS. R. E. BURCHAM and GEORGE ZIMMERMAN Registered Hereford Dispersion Sale. Forty-six lots sold for a total of \$12,425, with a \$270 average. Eleven cows with calves at their side averaged \$350. The top cow and calf, Lot 15, brought \$415, with it going to Emmett Ruffin, Greenridge, Mo., for \$255, and the bull calf going to Bullock Bros., Windsor, Mo., for \$160. Four bred heifers averaged \$260 and sold to Alvey Bros., Owensboro, Kan. The Lot 1 herd bull, Donna's Jupiter 7th, sold to Stule Sloan, Creighton, Mo., for \$400. The top bred cow went to Emmett Sims, Greenridge, Mo., at \$380. Considering the flesh and quality of the cattle the sale was satisfactory. The sale was managed by Donald J. Bowman, Livestock Sale Service, Hamilton, Mo. Col. Roy Johnston sold the sale, assisted by Ray Sims, Connie McGennis and Hughie Johnston & Son, who own the Windsor Sale Pavilion.

THE KANSAS HOLSTEIN STATE SALE COMMITTEE, after looking the situation over carefully and investigating the many advantages presented by W. H. Mott, decided to locate the State Sale at Herington permanently. Among the many advantages presented was the central location from the standpoint of consignors and prospective buyers. About 100 miles from the Nebraska line on the north, 110 miles from Oklahoma on the south and about 115 miles from Missouri. On national highways 50S and 77 and state highways 10 and 4, and a train service with 16 passenger trains daily, all of them stopping at Herington. A local air base, where small planes stop and take off, another a few miles out where all size planes stop; 2 good hotels, and a commodious sale pavilion on the fairground. Herington is located in one of the best dairy districts of the state. The 25th anniversary of the state association was held there a few years ago, sponsored by the local Chamber of Commerce, with over 400 Holstein breeders in attendance.

HOGS

Don't Overlook the GIVENS' DUROC SALE Friday, April 29 60 HEAD Bred and Open Gilts 18 Weanling Pigs At farm 2 miles west of Manhattan, Kan. Special invitation. HARRY GIVENS Manhattan, Kansas

SHEPHERD'S SUPERIOR DUROCS Bred sows, gilts for summer and fall farrowing. Boars: serviceable and spring tops in blood and conformation. Registered and immuned. Prices right. G. M. SHEPHERD, Lyons, Kansas

WILLIS HUSTON OFFERS DUROCS Outstanding Duroc Fall Boars and Gilts for sale. Good prices on groups of gilts, mostly by Fancy Supreme, best boar we ever owned. Our herd bred and raised the top-producing sow of 1945 and brought sire and grandsire of sow to Kansas that broke all production records this last year. Durocs offered are registered, immuned. Come or write. WILLIS HUSTON, Americus, Kansas

DUROC FALL BOARS AND GILTS Sired by Double Sensation by the Mighty Super Sensation and from top dams of the breed. Splendid type and conformation, beautiful dark color. Money back guarantee. 2 Spring Boars, 3 Late Bred Gilts. BEN M. HOOK & SON, Silver Lake, Kan.

CHOICE DUROC BOARS The blocky, good-doing kind. Registered, double immuned. Guaranteed to breed. CLARENCE MILLER, Alma, Kansas

BERGSTEN'S Improved Hampshires Now offering outstanding Fall Boars. Immune and registered. New breeding for old customers. R. E. BERGSTEN & SONS, Randolph, Kan.

REG. SPOTTED POLAND CHINAS Boars and Open Gilts. Quality Master and Broad Rucker breeding. Double immune. Harley F. Mitchell & Roy G. Keller Berryton, Kan.

SPOTTED POLAND CHINA BOARS Ready for service. Sows and gilts sired by or bred to Buster Boy and his helper, Advancer Grandview Supreme. Weanling pigs champion breeding. DALE KONKEL, Haviland, Kansas

REG. Spotted Polands Choice, blocky boars, serviceable age. Also unrelated gilts. Unrelated trios of weanling pigs. EVER GREEN FARMS, Berryton, Kansas HERBERT HOLLIDAY

REG. SPOTTED POLANDS Choice, blocky, heavy boned fall boars. Serviceable age, also unrelated gilts. EVERGREEN FARMS, HERBERT HOLLIDAY Berryton, Kansas

FALL POLAND CHINA BOARS Accepted type and breeding, priced so farmers can own them. August and September farrow. Henry J. Hain, Spearville, Hodgeman Co., Kan.

Offering Top Poland Chinas Selected bred gilts, fall boars and fall open gilts. Priced to move. C. R. ROWE & SON, Seranton, Kansas

Champion Carcass of the World Our Yorkshire Barrow Raise Yorkshires for less lard, larger litters. High winning herd of the breed, Illinois, Ohio and Maryland. Illustrated circular. YALEHURST YORKSHIRE FARM, Peoria, Ill.

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

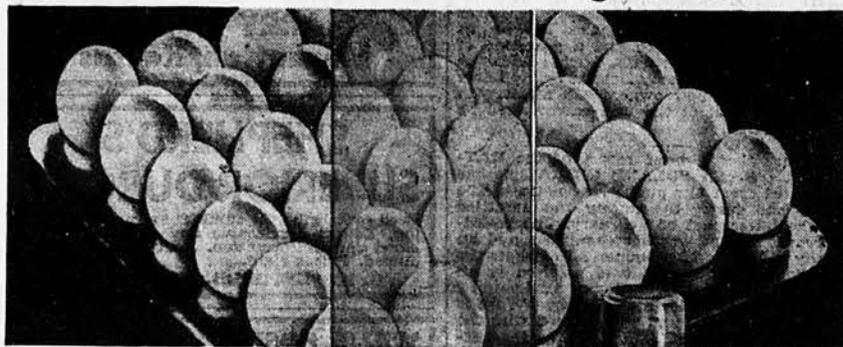
Ross B. Schaulis, Auctioneer Purebred Livestock, Real Estate and Farm Sales. Ask those for whom I have sold. CLAY CENTER, KANSAS

get 14 days earlier egg profits

by starting your chicks right with

DR. SALSBUY'S Ren-O-Sal TABLETS

in the drinking water



Helps You Grow Better Birds That Mature Quicker—Lay Earlier

Get new, early egg profits from your 1949 flock. Put handy Ren-O-Sal Tablets in your chicks drinking water right from the start. Dependable. Preferred by leading poultry raisers for these TWO-FOLD profit-making benefits:

EARLIER EGG PROFITS. Ren-O-Sal promotes faster growth, quicker maturity. You get 14 days earlier egg production, when egg prices are higher. Test-proved, using ordinary feeds.



Also CONTROLS COCCIDIOSIS of low cost (in larger doses)

In larger doses, Ren-O-Sal PREVENTS SPREAD OF CECAL COCCIDIOSIS at lower cost. Generally less than one cent per bird. Has prevented costly chick losses in thousands of flocks. Treat at first sign of an outbreak.

Yes, enjoy new flock profits. Ask your hatchery, druggist or feed dealer for Dr. Salsbury's Ren-O-Sal, today.

When you need poultry medicines, ask for

DR. SALSBUY'S LABORATORIES
Charles City, Iowa

Dr.

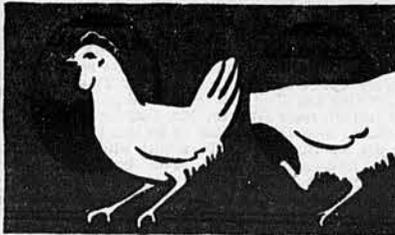
SALSBUY'S

Keep Your Laying Flock Profitable

Dr. SALSBUY'S Avi-Tab

Special Drug Formula

Watch for birds that "don't do their best." Avi-Tab has helped many such birds in thousands of flocks. See birds "perk up" Combs and wattles become redder. Low cost. Easy to use in mash. Avi-Tab is pack-



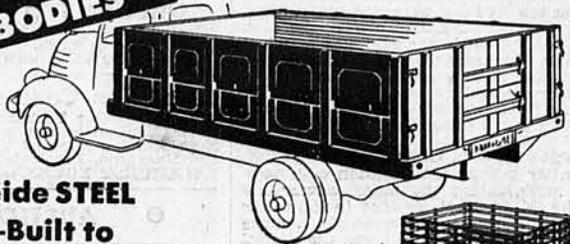
aged for every size flock. For a more profitable flock, buy Dr. Salsbury's Avi-Tab, today. See your local hatchery, drug or feed store, now. Dr. Salsbury's Laboratories, Charles City, Iowa.

Quality Since 1848

KNAPHEIDE

TRUCK BODIES

BUILT Grain-Tight . . . STAYS Grain-Tight!



New Knapheide STEEL Grain Body—Built to Take Kansas Weather

High strength rust-resistant steel sides—won't rot, shrink, splinter or warp—STAYS grain-tight! Stronger, yet weighs less . . . you can haul heavier loads. Welded construction—no bolts to shake loose. 2" tongue and groove flooring. Built to outlast any truck. Hauls more—lasts longer—saves you real money on investment and repairs. On thousands of farm trucks today. For all 1½ to 3-ton trucks.

Knapheide Slip-On Rack

Light weight, sturdy livestock rack. Can be quickly and easily put on or removed by one man. WRITE for circular and name of nearest dealer to:
O. J. Watson Co., 2115 N. Broadway, Wichita (Kansas Distributor)
THE KNAPHEIDE MFG. CO., Quincy, Illinois

The Goal

(Continued from Page 7)

ever," amended to the "next worst." Washington gossip in lighter vein wonders whether President's Truman's "worst" meant the post-Civil War Congress which attempted to write into law just about what is included in the Truman "Civil Rights" program, or whether in a spirit of prophesy he felt that the new Eighty-first Congress would win the encomium of the "worst (Congress) ever."

Anyways, Washington has growing hunch that Congress will want time to think it over—at home—before completing work on the world empire foreign program, and the very disturbing domestic problems that keep bobbing up, including the taxation problem.

Secretary Brannan presented to Congress last week a national farm program that proposes to guarantee a relatively high income for farmers, and at the same time guarantee relatively low food prices for consumers. The answer, of course, is subsidized food prices for consumers, and subsidized farm prices for farmers—plus broad powers for Government to control production and distribution of all foods.

In return for the low-priced foods, consumers (and farmers) as taxpayers will contribute in taxes whatever the subsidies amount to. In addition, farmers will be subject to more regulation in regard to production and marketing than ever before; only those who conform to all Government requirements will get any of the benefits of either market price supports or direct benefit payments contemplated.

"In my opinion," Secretary Brannan told Congress, "production and price adjustment with a definite income ob-

come support standard of \$26,234,000,000 (\$18,216,000,000 multiplied by 1.44)."

Applying the income support standard to commodities, Brannan said, the prices for 3 great staples—corn, cotton and wheat—would average only about 90 per cent of what they would be under the "old" parity level. "At the same time it follows that prices for a number of other commodities, especially livestock and livestock products, would average well above the present (old) parity level."

This program contemplates commodity loans and purchase agreements to support prices of storable commodities, which amount roughly, Brannan said, to about 25 per cent of annual cash receipts.

"When it is necessary to apply supports to nonstorable commodities, I recommend that we rely mainly upon production payments . . . the farmer would be paid in cash the difference between the support standard for commodities which he produced and the average selling price in the market place. . . . Another price-support method for perishable commodities is the direct Government purchase program. . . .

"I gave considerable study to the 'food stamp' or 'food allotment' program . . . such a program would be administratively expensive, difficult, and would provide only an indirect aid to agriculture."

"Adjustments" thru controls will be a necessary part of the program if it can be made to work, Brannan pointed out.

"Even tho economic activity continues at near-record levels, and foreign demand may remain high for some time to come, production of most agricultural commodities may easily outrun current high-level demand," Brannan said. "There is need to re-examine our adjustment policies and programs to insure that they realistically meet the problems that lie ahead. My recommendations:

Parity Index

(of prices paid by farmers)

During a base period (5 years or 10 years or any specified number of years) the average number of dollars paid by farmers for the same quantity of commodities and services is, say, \$1,000. That \$1,000 is stated as base-period parity index of 100.

During any given year the number of dollars paid for the same quantity of commodities and services is, say, \$1,440. Then the parity index for this other year is 144. (100 × 1,440 ÷ 1,000.)

Stated as an equation:

$$1,000 : 100 :: 1,440 : Y$$

$$Y \text{ equals } \frac{100 \times 1,440}{1,000} \text{ equals } 144$$

jective must be the core of our united effort, and altho I will mention other measures I am concentrating at this time on the core."

A summary of his recommendations goes like this:

The objective for the farmer is an assured farm income, that will give farmers as a whole the same income in dollar purchasing power they had during the first 10 years of a preceding 12-year period. In other words, farm income (measured in marketing income rather than net income) for 1950 would represent the same purchasing power it averaged for the 10 years, 1939 thru 1948. "The income support standard for any year would be defined as that level of cash returns from farm products which is equivalent in purchasing power to the average annual purchasing power of cash receipts from farm marketings during the 10 calendar years, 1939 thru 1948," said Brannan. But in each succeeding year (after 1950) the base would be moved up one year.

"This purchasing power is determined by dividing cash receipts for each year by the same year's index of prices paid by farmers for goods and services, including allowance for taxes and interest—that is, the parity index as we know it.

"In terms of average 1939-48 farm purchasing power dollars, this base is \$18,218,000,000.

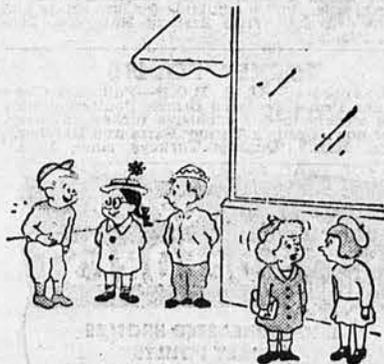
"To calculate the income support standard, this base is multiplied by the current parity index. For example, parity as of March 15, 1949, was equal to an index of 144 (base 1939-48 equals 100, instead of 1909-14 equals 100). Such an index would indicate an in-

"Marketing quotas and acreage allotments should continue to be available or be provided for such commodities as tobacco, cotton, wheat, rice, corn, and peanuts. . . . The time may come when marketing quotas or similar feasible devices may be desirable for meat animals, dairy products, poultry and eggs. For fluid milk, marketing agreements and orders should be continued.

"Eligibility of a producer for participation in the benefits of any price-support program should be conditioned upon compliance with or adoption of applicable programs of production adjustment, marketing quotas or agreements, and the carrying out of reasonable conservation-practice requirements.

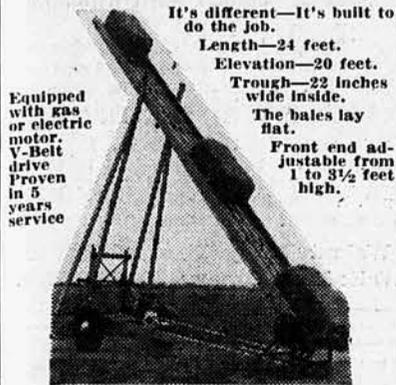
"A further limit on the extent of support is necessary if the public is not to provide financial encouragement for the continued development of extremely large-scale industrial farming. . . . As one means of implementing this conclusion, I suggest that the production of a farm in excess of a predetermined amount be NOT eligible for price support."

The table on page 45, submitted to the Congressional Committees on Agriculture by Secretary of Agriculture Brannan, "illustrates" the probable (Continued on Page 45)



Play Hille
"if personality means your father owns an ice-cream store, she's got it!"

Here's the Bale Elevator You've Been Wanting



Equipped with gas or electric motor. V-Belt drive. Proven in 5 years service.

It's different—It's built to do the job.
Length—24 feet.
Elevation—20 feet.
Trough—22 inches wide inside.
The bales lay flat.
Front end adjustable from 1 to 3½ feet high.

Jackson Manufacturing Co.
Simpson, Kansas

"Now I Can SLEEP"

"Coffee nerves used to keep me tossing and turning. But since switching to POSTUM, I sleep soundly—and friends have commented on my improved appearance."



SCIENTIFIC FACTS: Both coffee and tea contain caffeine—a drug—a nerve stimulant. So, while many people can drink coffee or tea without ill-effect—others suffer nervousness, indigestion, sleepless nights. But POSTUM contains no caffeine—nothing that can possibly keep you awake!
MAKE THIS TEST: Buy INSTANT POSTUM today—then drink POSTUM exclusively for 30 days—and judge by results! . . . INSTANT POSTUM—A Vigorous Drink made from Healthful Wheat and Bran. A Product of General Foods.

relative differences in support-price levels for 1950 under (1) the proposed program, (2) the 90 per cent parity under existing law, (3), (4), (5) under the "Aiken" Act which would become effective in 1950 unless Congress changes the law before that date.

Secretary Brannan recommended that the Government support prices for specified non-perishable basic commodities in the market (by loans, purchase agreements); that other commodities be sold in a "free market," for what they would bring, the Government to make direct payments of the difference between sale prices and "income support standard" prices. But only those farmers who complied with all Government requirements on all commodities

produced would get the benefit of any direct payments (for observing requirements). In case of commodities getting market price supports (non-perishable basic commodities), farmers not observing Government requirements would be "fined" or "taxed" sufficiently to compel compliance with Government production and marketing control programs.

The table as printed here was labeled, "Work table: illustrative calculations only; show probable relative differences for 1950. Specific commodities: estimated alternative support standards for 1950 based on parity index for March 15, 1949, and estimated average prices received by farmers for the years 1940-49."

Commodities grouped according present legislation	Income support standard dollars	90 per cent old parity dollars	Aiken 60 per cent dollars	Aiken 72 per cent dollars	Aiken 90 per cent dollars
(1)	(2)	(3)	(4)	(5)	(5)
BASIC COMMODITIES					
Wheat, bu.	\$ 1.88	\$ 1.95	\$1.24	\$1.48	\$ 1.85
Corn, bu.	1.46	1.42	0.90	1.08	1.35
Cotton, lb. . . . .	.2799	.2745	.1739	.2087	.2608
Rice, bu.	2.26	1.80	1.31	1.58	1.97
Peanuts, lb. . . . .	.0945	.106	.0672	.0806	.101
Tobacco:					
Flue-cured, lb. . . . .	.492	.406	...	...	.434
Burley, lb. . . . .	.496	.393	...	...	.434
STEAGALL COMMODITIES					
Butterfat, lb. . . . .	.669	.582	not more than	.584	
Milk, wholesale, cwt.	4.22	3.55	not more than	3.70	
Hogs, cwt.	19.00	16.10	not more than	16.60	
Eggs, doz. . . . .	.458	.475	not more than	.453	
Chickens, lb. . . . .	.290	.252	not more than	.252	
Flaxseed, bu.	4.30	3.74	not more than	3.74	
Soybeans, bu.	2.54	2.12	not more than	2.21	
Beans, dry ed., cwt.	8.45	7.46	not more than	7.37	
Potatoes, bu.	1.59	1.62	1.16 up to	1.74	
OTHER COMMODITIES					
Beef cattle, cwt.	16.90	12.00	not more than	14.80	
Lambs, cwt.	18.40	13.00	not more than	16.00	
Oats, bu. . . . .	.825	.884	not more than	.840	
Barley, bu.	1.22	2.37	not more than	1.30	
Apples, bu.	2.61	2.12	not more than	2.28	
Wool, lb. . . . .	.498	.405	.289	.434	
Oranges, box	1.96	3.32	not more than	3.16	

(Note: "Not more than" means from zero to the figure following, at discretion of Secretary of Agriculture.)

Handy Ideas

Overall Buttons

If the men pull buttons off their overalls, take a discarded pair and cut off a button with some cloth attached. Push the button thru the torn place, stitch around thru both thicknesses of overall until the new button is secure. A regular overall button looks better and suits the men much better than other buttons, as you already know.—E. Y.

Paper-Hanging Hint

When papering, my helper uses a smooth stick (broom handle is fine), that is several inches longer than the width of paper being hung. In this way he can handle his end of the strip without danger of creasing or tearing it. If the stick is placed directly under upper end of folded portion it can be unfolded with ease. Two sticks team up fine.—Mrs. A. C.

Prevents Slipping

When washing small articles and baby clothes in a large porcelain tub or bathtub, I fasten rubber suction cups to the legs of the washboard. This keeps the washboard from slipping.—Mrs. W. S.

Pie-Making Hint

After baking a pumpkin or squash pie, I set it on a colander or cake cooler to cool so the bottom crust will remain dry and crisp.—V. L. N.

Blankets Still Useful

My old worn-out blankets are used for washcloths, pad for ironing board and for a silence cloth on dining table.—B. E. L.

OTTAWA POST HOLE DIGGERS

(THERE IS NO OTHER LIKE IT!)
Prices from \$99.50 up. The digger you have been waiting for. Quick hitch to any tractor with power take-off. Fastest power auger return. Heavy hi-speed two flight auger. Safety clutch prevents damage, eliminates shear pins. Strictly one-man machine. Write today for digger facts, new low prices. OTTAWA MFG. CO., 5-911 Elm St., Ottawa, Kans. Patent Pending

Keep Clothes on Line

In order to prevent clothes hangers from blowing off the line when airing clothes, I take a fruit jar ring, loop it around the line, insert hanger hook in loop. In this way the clothes can swish and air and not blow off the line. Just lay jar ring on line, pull one side in thru other side for the loop.—Mrs. N. H.

Seals Out Cold

Storm windows which do not fit snugly in their frames can be sealed to keep out cold air by placing strips of adhesive tape around the inside surfaces of the window edge. Be sure that all surfaces are clean before applying the tape, or it may not stick.—C. B.

Caps for Mops

Caps for dust mops save wear and tear on the mops and catch the dust. I make them from worn Turkish towels by hemming pieces of the towels and inserting elastic or a drawstring to make them fit the mops.—Mrs. H. L.

For the Fisherman

An old pair of scissors for cleaning the catch of fish is an almost indispensable accessory. I use them to snip off fins and tail. A currycomb is another handy gadget to add to the fishing equipment. It makes an ideal scaler.—Mrs. F. F.

Step Safely

As a safety precaution, dash coarse sand on the steps of freshly painted or varnished ladders.—Mrs. X. Y.

Keeps Nickel Spotless

To remove rusty spots from nickel, grease well with lubricating oil. Let stand for several days, then rub vigorously with rags soaked in ammonia.—Mrs. B. C.

Saves Heat

A piece of aluminum-foil paper placed between the radiator and the wall, will reflect the heat, also helps keep walls clean.—Mrs. P. N.



Precision SPRAYING Helps Boost Your Yield!

Backed by over TWO YEARS Field Testing

KEYSTONE All Purpose FARM SPRAYER

Accurate, even application every time . . . no waste. Easy fingertip control. Special pump operates directly from power take-off, pressures 0 to 200 lbs. Ruggedly built for years of hard service. No boom whip. Top quality materials. Does a PRECISION job on weeds, insects, pests. . . anywhere, anytime. Mounts front or rear any tractor, truck, jeep. SEND COUPON FOR BIG FREE SPRAYING MANUAL!

TANK TRAILER MODEL

Ready Now . . . IMMEDIATE INSTALLATION



UNDER BODY HOISTS and TRUCK BODIES

MAIL COUPON TODAY

Various sizes to meet your needs. Hoists as low as \$250.00. No delay. Two shops to serve you . . . Wichita and Kansas City. Send for full details.

KEYSTONE EQUIPMENT CO.
Dept. 946, 1501 Guinotte St., Kansas City 1, Mo.

Please rush me the items checked

Free Spraying Manual
 Free information on Underbody Hoists
 Free information on Truck Bodies

NAME _____
STREET _____
TOWN _____ STATE _____

SMOOTH TOUGHEST WINDROWS WITH THE Innes FEEDER

"Got over 50% more seed per acre after installing Innes feeder," says Fred Rathjen of Iowa. For better threshing of all crops. Feeder fits A-C 50, J. D. 12A, M-H 6' and 7', M-M 69, Woods 6'.

COMBINE WITH THE Innes WINDROW PICK-UP

Patented piston action picks entire windrow up clean. Wrapping, clogging, shelling, reduced to almost nothing. Light and easy to attach. Costs less. Models to fit any combine. For complete free information, see your dealer, or write INNES COMPANY, Bettendorf, Ia.

The Innes Company is an old established name behind its products and its dealers

WE PAY CASH FOR DEAD ANIMALS

CATTLE • HORSES • HOGS • SHEEP

YOUR Choice of CASH or PREMIUMS FOR DEAD ANIMALS AT YOUR PLACE

CALL AT ONCE "COLLECT"

PROMPT SERVICE : SANITARY TRUCKS
LICENSED BY STATE LIVESTOCK SANITARY COMMISSIONER

TELEPHONE NEAREST STATION AT ONCE

Wichita . . . 4-4361	Hutchinson . . 1122
Wellington . . 323	Great Bend . . 4661
El Dorado . . 145	St. John . . . 174
Norwich . . . 133	McPherson . . 1488
Murdock . . . 21	Lyons 402
Pratt 307-1	Beloit 910
Eureka 48	Miltonvale . . 31
Howard 269	Anthony 92
Salina 5107	Newton 1440
Ellsworth . . 148	Hope 19
Lincoln 602	Medicine Lodge 428
Minneapolis . 66	Cherokee, Okla. 72
Jewell 44	Dodge City . . 2283
Ablene 1270	Fowler 5021
Marion 34	Kinsley 570

SERVING FARMERS-STOCKMEN OVER 30 YEARS

WICHITA DESICCATING CO.

Easy and Cheap to Operate

SAVE TIME, WORK, MONEY!

SHAW DU-ALL

and "PEPPY PAL" TRACTORS

PLOW These rugged walking or riding tractors are ideal for farm, truck garden, orchard, poultry farm. Operate on a few cents an hour. A child can handle them.

CULTIVATE DO DOZENS OF JOBS Both riding and walking tractors quickly and easily plow, cultivate, harrow, disk, bulldoze, spray, haul, grind, saw wood, etc.

SHAW MFG. CO. FREE Illustrated folders giving complete details priced list—write today. 3404 Front Street, Galesburg, Kans. 66845 North 4th Street, Columbus, O.

BALDWIN CENTER DRIVE GRAIN LOADER

Large capacity. Dependable, long life unit. Center driven by transmission like your truck. No long belts or drives. In six lengths.

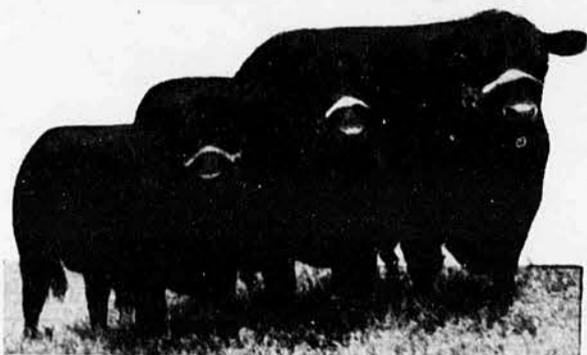
If Your Dealer Can't Supply You, Write Direct

BALDWIN IRON WORKS
1440 BARWISE ■ WICHITA, KANSAS

ANNOUNCING OUR ANNUAL ABERDEEN-ANGUS AUCTION

Tuesday, May 10, at the farm, Everest, Kansas

60 HEAD — 20 Bulls — 40 Females



Revolution's Black Prince has produced some of our top show cattle and his breeding will be a feature in this sale. The bulls are from serviceable age to 2 years old. Several sons and daughters of Ever Best, one of the best sons of Ever Prince of Sunbeam. There will be 15 bred heifers carrying the service of such bulls as a son of Eileenmere 487th, and a son and grandson of Ever Prince of Sunbeam. Catalog on request.

Sale headquarters at the Atchison Hotel, Atchison, Kansas.

SUNFLOWER ANGUS FARM, Everest, Kansas
SWARTZ BROTHERS, Everest, Kansas

Mike Wilson for Kansas Farmer

Purebred Aberdeen-Angus Females For Sale

Selected from the Best Herds of the Middlewest

Cows with calves or to calve soon. Bred heifers to calve soon. Open heifers to mate to your bull. Numbers and price to suit all buyers.

Contact EDWARD F. MOODY, Olathe, Kan.
736 S. Kansas Ave., Phone Olathe 167R

Field Representative—Heart of America Aberdeen-Angus Association



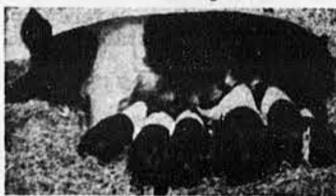
HAMPSHIRE HOG DISPERSAL SALE

East Edge of Glasco, Kansas (Highway 24)

Thursday, April 21, 12 o'clock Sharp

180 HEAD

- 16 Registered Sows with litters at foot (about 150 pigs).
 - 8 Registered Sows due to farrow soon.
 - 15 Pigs, 8 weeks old.
 - 1 Hampshire boar, Sunshine Special.
- Mostly tried sows. Immuned papers sale day.



This is a dispersal of the J. M. Olson herd. Also a full line of up-to-date farm machinery, including John Deere tractor, and power mower. Grain drill, manure spreader, hay loader, self-propelling combine, Ford truck, Moline 2-bottom plow, and a lot of other machinery all in good repair. Lunch on ground sale day.

Harold E. Liby and Joe Sheets (Owners)

Auct.: Corson E. Hanson

Jesse R. Johnson with Kansas Farmer

DUROC DISPERSION SALE

1 P. M. (Fair Grounds)

Belleville, Kan., Sat., May 7



- 50 Weanling Pigs—Gilts, barrows, boars. Choice 4-H and FFA prospects, big thrifty March pigs.
- 10 Fall Boars—ready for service.
- 10 Fall Gilts—some bred, some open.

A few piggy gilts and sows selling with their litters. Come to Belleville May 7 for properly conditioned registered Duroc breeding stock of popular, prize-winning bloodlines and practical pork-producing type and buy our best at your own price.

WARING & WREATH, Belleville, Kansas

The first registered Duroc sale for D. L. HINES & SON, at Harwood, Mo., was held at the farm on March 2. The top gilt was No. 13, which sold for \$150 to W. H. Nichols, Osceola, Mo. The top gilts averaged \$116. Albert Waring, Garland, Kan., bought No. 8 for \$100 and S. E. Conway, Ft. Scott, Kan., bought a fall boar, No. 46, at \$66. The top fall boar sold for \$100, Lot 65, to Sam Stiles, Nevada, Mo. Mr. Hines has gone out and purchased registered Durocs of the right type from breeders of several states. His offering was of the modern type and should make good for their new owners. Col. Darwin Johnson, of Deerfield, Mo., sold the sale, assisted by Merlin Welty and Don Bowman.

CENTRAL KANSAS SHORTHORN BREEDERS gathered at Hutchinson, at the state fairgrounds, March 23, for their annual spring sale. The top-selling bull in this sale was from the McIlrath Brothers herd, of Kingman. He was purchased by Harry Saxton, of Burdette, at \$460. He was also champion of the show. E. L. Nevenhewander, of Scott City, consigned the top-selling female. She was purchased by W. M. Stieben, of Bazine, at \$410. Twenty-seven bulls averaged \$245 per head and 24 females averaged \$234. Fifty-one head of cattle made a general average of \$240. The cattle were sold in ordinary flesh and all stayed in Kansas except 2 head that went to Texas. The sale was managed by Frank Leslie, of Hutchinson. Bert Powell was the auctioneer.

JONES HEREFORD FARM, of Detroit, and **LOUIS KLEINSCHMIDT**, of Hope, held their joint production sale of Hereford cattle at the sale barn in Abilene, March 26. Six bulls and 34 females were sold. Jim Riffel, of Junction City, paid \$410 for the top female of the sale. She was a daughter of Real P. Domino 89th, from the Kleinschmidt consignment. A top of \$360 was made on bulls paid by Joe Jungel, of New Cambria. This bull was from the Jones consignment. Thirty-four females averaged \$225 and 6 bulls average \$256. Forty head selling in the auction made a general average of \$230. The cattle were presented in ordinary breeding condition and were very readily accepted by the breeders and farmers who attended the sale. Ross Schaulis, of Clay Center, sold the offering.

The sixth annual sale of the **NORTH CENTRAL KANSAS HEREFORD ASSOCIATION** was held at Belleville, on March 29. Weather conditions indicating it might pour down rain anytime from 11 a. m. until the sale was over, did not hold back the attendance and a record crowd was on hand when the sale was started. Twenty-four bulls averaged \$533, 29 females \$333. Fifty-three head averaged \$423. The show held the morning of the sale created lots of interest. Joe Lewis, of Larned, was the judge. He made Lot 15 champion and Lot 14 reserve champion of the bull show. Both bulls were October yearlings and sired by CK Cruiser D.34th and bred and shown by CK Ranch, Brookville. The champion sold for \$1,000 to J. B. Whalen, Concordia. The reserve champion to T. L. Welch, Abilene. The top bull of the sale was Lot 2, a line bred WHR bull sired by WHR Royal Tredway 8th. This October, 1944, bull sold for \$2,000 to H. B. Boyden, Fairbury, Nebr. This bull was consigned by Stanley Novak, Belleville. Hal Ramsbottom sold a bull for \$620 to Richard Fogelberg, Seandia. Walter Hadley, Portis, received \$600 for their bull from A. Niefert, Glen Elder. The champion female sold for \$570 to Paul Dahl, Weber. This September yearling heifer was consigned by T. L. Welch, Abilene. She was Lot 43 and was sired by P. Triumph Domino. Lull Hereford Farm, Smith Center, had the reserve champion female. She was Lot 41 and a November yearling. Her sire was Princeps Domino 41st. She sold for \$425 to Cheyenne Hereford Farm, Jamestown. Top lot in females was consigned by Hal Ramsbottom, Munden. This July, 1940, cow with heifer calf and cow rebred to Real Triumph W., sold for \$680. The cow sold for \$380 to C. E. Lewellen, Dexter, Nebr., and the heifer calf for \$300 to Harold Kling, Haddam. A bred cow consigned by Harold Carswell, Alton, sold for \$585 to Ed Bonest, Belleville. The sale was ably managed by Dr. George Wreath, Belleville. The sale was conducted by Charles Corkie, Norfolk, Nebr., assisted by press representatives. In commenting on the sale, Doctor Wreath said he considered it the best group of registered Herefords ever assembled for a North Central Kansas sale.

Officers serving for the coming year are: President, Linton Lull, Smith Center; vice-president, J. Harold Carswell, Alton; secretary-treasurer and sales manager, Dr. George Wreath, Belleville. Directors are Clarence Bergmeier, Longford; J. S. Whelan, Concordia; George Thompson, Abilene; W. M. Intermill, Mankato; Elmer E. Peterson, Maryville; Perry Griffith, Beloit; Walter Kuhlman, Chester; J. Harold Carswell, Alton; Frank McCredie, Longford; Ed Valek, Wayne; R. U. Brethour, Clay Center; Walter J. Johnson, Gaylord; Gene Sundgren, Brookville; L. A. Lohregrel, Washington.

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	\$26.00	\$27.90	\$30.00
Hogs	20.25	22.25	22.00
Lambs	30.00	28.50	26.25
Hens, 4 to 5 lbs.	.25	.24	.22½
Eggs, Standards	.41½	.40½	.41½
Butterfat, No. 1	.54	.57	.78
Wheat, No. 2, Hard	2.31½	2.31	2.42
Corn, No. 2, Yellow	1.43	1.39¼	2.40½
Oats, No. 2, White	.81½	.79	1.37
Barley, No. 2	1.24	1.27	1.91
Alfalfa, No. 1	32.00	30.00	37.00
Prairie, No. 1	20.00	18.00	16.00

May 7 Will Be Our Next Issue

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

Saturday, April 30

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

Beef CATTLE

REG. HEREFORDS Bulls — Heifers For Sale at the Ranch

10 top range and farm Bulls, 12 to 15 months old. All strong in WHR breeding. Also a few outstanding herd bull prospects by O. J. R. Jupiter Star 12th.

5 Bred and 10 Open Heifers

Walnut Valley Hereford Ranch
Walte Bros., Owners, Winfield, Kan.

HEREFORDS

Registered 2-year-old bulls for sale now. Sons of Jupiter Blueblood 3rd, a grandson of Prince Domino Mixer. This bull stood first in class at Kansas City in Round-Up Sale.

ARTHUR ATTWOOD, Silver Lake, Kan.

REGISTERED POLLED

HEREFORD BULL

4 years old, Riffel Worthmore breeding. Good quality and priced right.

OLIVER KLEIN
Clay Center, Kan.

WinWithTheModern Breed

Angus cattle rank first as producers of superior beef. Winning 3 times as many interbreed grand championships at the Chicago International as all other breeds combined, the Angus record includes 41 grand champion carcasses in 43 shows. For information write: American Aberdeen-Angus Breeders' Association, 7 Dexter Park Ave., Dept. KF, Chicago 9, Ill.



REGISTERED POLLED

SHORTHORN BULLS

Yearlings—Beef Type
Phone 3185 or write,
Roy Hopkins, Box 133, Ordway, Colo.

SCOTCH SHORTHORNS

We offer dark roan bulls, 12 to 16 months old, grandsons of Duke of Killlearn and Imp. Cal-fossie Prince Peter. Priced to sell.

GLEN E. LACY & SON, Miltonvale, Kansas

REGISTERED SHORTHORNS

Bulls — FEMALES — 4-H Calves
C. H. RALSTIN, Mullinville, Kan.

Dual-Purpose CATTLE

Breeder's Milking Shorthorns

One roan bull, serviceable age, by Wachusett's Dairyman. Dam is RM by Griffarm Promoter. Younger bull calves (weaned) by Robin's Searchlight and Griffarm Promoter.

LEO BREEDEN & SONS, Great Bend, Kan.

SPRING VALLEY MILKING SHORTHORNS

For Sale—Bulls of serviceable age out of cows classified Very Good and Good Plus and sired by Nauvoo Champion R. M.

PAUL STUDDT, Ada, Kansas

KENTON MILKING SHORTHORNS

Bull calves sired by Retnah Stylish Robin, out of daughters of Bluejacket Dairy King, for sale at reasonable prices. Stylish Robin is a maternal brother of Retnah White Stylish (1947 National Grand Champion). We also offer bred heifers.

GORDON L. JANSSEN, Bushton, Kansas

REG. MILKING SHORTHORNS

For sale: 5 Heifers and 6 Cows, all to freshen by June 1st.

WALTER C. HEITSCHMIDT
Ellinwood, Kansas

MILKING SHORTHORNS

Serviceable age bulls and bull calves, also a few females of various ages. Best of breeding. All sired by or bred to our dark red bull, classified "Excellent."

IRVIN H. KNACKSTEDT, Conway, Kansas

HORSES — JACKS

SADDLE HORSES FOR SALE
Pleasure, stock, gaited and high schooled saddle horses. At stud: 5 gaited Chestnut Com-mando Reg. 23274. \$15.00 fee. Return privilege.
D. E. GRAEBNER, Macksville, Kan.

BERT POWELL AUCTIONEER

LIVESTOCK AND REAL ESTATE
1629 Plaza Avenue
Topeka, Kan.

Dairy CATTLE

OFFERING REGISTERED HOLSTEIN BULLS

We have available bulls up to near serviceable age. They are proven 500- and 600-lb. dams that have classified Very Good or Good Plus. They are sired by our son of Corrine, who was All-American and holds the Minnesota State Record.

Write for prices and full particulars.
ERNEST A. REED & SONS, Lyons, Kansas

BULL CALVES FOR SALE

We bred and developed the first and only Holstein cow in Kansas to produce 1,000 pounds of fat in 365 consecutive days. Young bulls with high-production dams or granddams.

H. A. DRESSLER, LEBO, KAN.

REGISTERED JERSEY BULL CALVES

Two- and three-star grandsons of "Sparkling Standard Sir" and "Draconis Royal Gem" out of Good Plus and Very Good dams with consistent records of high production. Reasonably priced.

PINE CREST FARM
J. Lawrence Byler Wellington, Kans.

FREE "BREEDING GUERNSEY CATTLE"

SEND for valuable booklet on profitable Guernsey breeding. There's always a ready market for quality Guernsey offspring and an ever-increasing demand for premium-priced GOLDEN GUERNSEY MILK. THE AMERICAN GUERNSEY CATTLE CLUB
925 Grove St., Peterborough, N. H.

30 HEAD

High Grade Guernsey Heifers for Sale

Due to freshen within 15 to 60 days. Also a nice selection of Bred Heifers to freshen next fall.

W. L. SCHULTZ, Hillsboro, Kan.

REGISTERED GUERNSEYS

Since 1906 High Production. Correct Type. Popular Bloodlines.
Ransom Farm, Homewood (Franklin Co.), Kan.

REGISTERED GUERNSEY BULL
For sale: My herd sire, Flying Horse Captain's Chief, whose dam's butterfat record is 741 lbs. This bull is 5 1/2 years old.
FORREST C. JOHNSON, Home, Kansas

Public Sales of Livestock

Aberdeen-Angus Cattle

April 20—Decatur county. High Plains Angus Breeders' Association spring sale, Oberlin.
May 10—Sunflower Farm, Everest, Kan. Swartz Brothers, Everest, Kan.
May 11—Krotz Stock Farm, Odell, Nebr., sale at Marysville, Kan.

Ayrshire Cattle

April 26—Glen Schneider, Route 2, Ninnekah, Okla. Sale at Chickasha, Okla.

Guernsey Cattle

May 2—Missouri Guernsey Breeders' Association, Columbia, Mo. H. A. Herman, Secretary, Eckles Hall, Columbia, Mo.
October 21—Kansas State Guernsey Sale, Hutchinson, Max Dickerson, Secretary, Hiawatha, Kan.

Hereford Cattle

April 22—Northwest Kansas Hereford Breeders' Association, Atwood, Kan. H. A. Rogers, Manager, Atwood, Kan.
June 7—Emmadine Farms, Inc., Breckenridge, Mo.
October 15—Elmer Johnson, Smolan, Kan. (Night sale.)
November 7—Cowley County Hereford Breeders' Association, Chas. H. Cloud, Secretary, Winfield, Kan.

Holstein Cattle

October 24—Central Kansas Sale, Hutchinson, Kan. T. H. McVay, Manager, Nickerson, Kan.
October 31—Kansas breeders state sale, Herington, Kan. Chairman sales committee—George E. Stone, Medicine Lodge, Kan.

Milking Shorthorn Cattle

April 23—Lilydale Farm and Boswell Acres, Springfield, Mo.
April 27—H. C. McKelvie, 108 South Sixth St., Council Bluffs, Ia.
May 5—South-Central Milking Shorthorn Sale, Fairgrounds, Hutchinson, Kan. Harry H. Reeves, Rt. 3, Hutchinson, Kan.

Duroc Hogs

April 29—Harry Givens, Manhattan, Kan.
May 7—Waring & Wreath, Belleville, Kan.

Hampshire Hogs

April 16—O'Bryan Ranch, Hiattville, Kan.
April 21—Sheets and Liby, Gasco, Kan.

Hampshire Sheep

July 30—E. B. Thompson Ranch, Milan, Mo.

Sheep—All Breeds

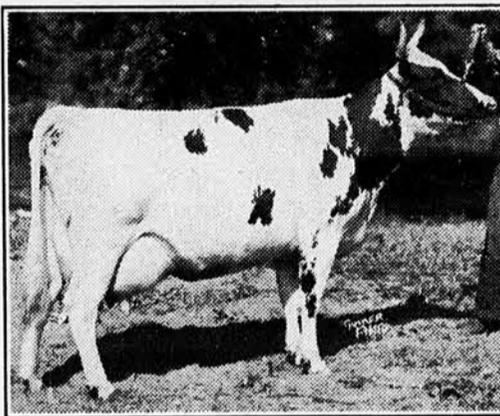
June 24-25—Midwest Stud Ram Show and Sale, Sedalia, Mo. Rollo E. Singleton, Secretary, Columbia, Mo.

The recently organized SOUTH CENTRAL NEBRASKA ABERDEEN-ANGUS BREEDERS ASSOCIATION held their first annual sale at Hebron, March 29. The forenoon was spent giving a type demonstration. This was conducted by K. C. Fouts, of the University of Nebraska. The sale was very well attended and prices received for the cattle were satisfactory. A top of \$700 was made on bulls. This bull came from the Edward W. Corliss consignment, of Hebron, Forrest B. Stamm, of Benkleman, Nebr., selected this good bull to head his herd. Harold Logan, of Liler, Nebr., consigned the top-selling female of the sale. She was the daughter of Applewood Bandoller 24th, with a bull calf at foot. W. J. Kriesal, of Fairbury, Nebr., paid \$550 for this cow. The bulls averaged \$353 per head and 16 females averaged \$262. Forty head made a general acreage of \$317. The sale was very well managed by Claud Rowley, of Hebron. Ray Sims did the selling.

Central Kansas District Ayrshire Sale

This Is Our Annual Spring Sale

April 28—State Fairgrounds Hutchinson, Kansas—1 P. M.



50 HEAD

The picture shown in this ad is Ayr-Line Royal Girl, she was grand champion at many shows in 1948, including the national dairy show. She was bred and developed in this district. This is the type of cattle that the breeders in this district are producing. From the production angle this district has

more herds on herd test than will be found in any like area in the Midwest. In recent years 9 bulls have been approved from this district. A record that no other area in the Midwest can claim. Most of the animals in this sale are carrying blood of the approved bulls. There will be animals in the sale that the most discriminating buyer will be pleased with. There will also be animals that the man with limited means can purchase and be proud of. The offering will be of cows, bred heifers, open heifers and calves. Some good fall calves for 4-H projects. A few select young bulls.

For catalog write

G. FRED WILLIAMS, Hutchinson, Kansas

Mike Wilson for Kansas Farmer



ATTENTION AYRSHIRE BREEDERS OF THE SOUTHWEST

PLAN TO ATTEND THE

GLEN SCHNEIDER OKLAHOMA PROMOTIONAL SALE OF REGISTERED AYRSHIRES

Tuesday, April 26, 1949 — 1:00 P. M. — Chickasha, Okla.

Sale to be held at the Chickasha fair grounds in building with plenty of seating capacity. Chickasha is located on U. S. Highway 81. Lunch will be served on grounds.

62 HEAD OF QUALITY REGISTERED AYRSHIRES

All Tb. and Bang's clean — Individual health papers furnished
30 Head of First Calf Springer Heifers — 25 Good Age Cows, many in production
5 Open Heifers, Club calf prospects — 2 Young Bulls
You will find this offering represents a combination of some of the most popular bloodlines. Many of these cows will carry individual production records. A number of these cattle were personally selected in Canada by R. O. Biggs, of Dundas, Ontario, and some of the leading herds of Canada will be represented. Many animals have been officially vaccinated for Bang's. All cattle registered in American Ayrshire Association herd book and will be transferred to the new owners free of charge.

A great offering of Ayrshires and the kind that will prove to be profitable. For catalog or further information, write either the owner or auctioneer.

GLEN SCHNEIDER, Owner, Route 2, Ninnekah, Okla.

Auctioneer — C. C. "Connie" McGennis, Rich Hill, Mo.

REG. AYRSHIRE CATTLE DISPERSAL

(Private Sale)

25 HEAD



- 5 Cows classified "Very Good"
 - 7 2-year-old Bred Heifers
 - 1 "selected" pedigree bull calf, out of a dam with 576 lbs. actual butterfat.
 - 6 Yearling Bred Heifers
 - 2 Open Heifers
 - 4 Heifer Calves
- Farm has been sold is reason for offering our good Ayrshire herd.

R. E. STARK & SON, Abilene, Kansas

SOUTH-CENTRAL KANSAS MILKING SHORTHORN SALE

Thursday, May 5 — 1:00 P. M.

At the State Fair Grounds
Hutchinson, Kansas

42 HEAD OF CHOICE CATTLE

From the District that has repeatedly won in State and National Shows; and has furnished foundation stock for top breeding farms from Coast to Coast. For the first time there is offered at Auction, a selection of cattle of all age and sex groups; the best to be had.

5 Mature Cows—9 Young Cows (ten of cows are RM.)

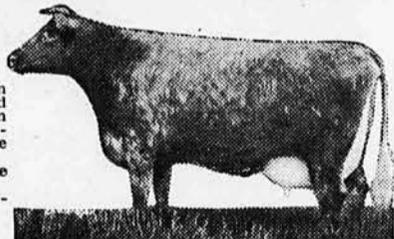
2 Two-year Olds—4 Bred Heifers—8 Open Heifers—4 Heifer Calves.

7 Bulls, Serviceable Age—3 Bull Calves.

For Catalog Write

HARRY H. REEVES, Sales Manager, Rt. 3, Hutchinson, Kan.

Jesse E. Johnson with Kansas Farmer



ABERDEEN-ANGUS ANNUAL SALE

Marysville, Kansas, May 11

Breeding Sale Barn, 1:00 P. M.

50 HEAD — 30 Females, 20 Bulls



The bulls are from 14 months to 2 years old. 1 three-year-old tried sire. 8 are sons of Ever Prince of Sunbeam. This will probably be your last opportunity to purchase sons of Ever Prince. Females are mostly heifers all sired by Ever Prince and his sons. A few heifers will be bred to Ever Prince the 4th and Bar Ever Prince. Nearly all the sons of Ever Prince of Sunbeam have gone to head purebred herds, at least 90 per cent of them. For catalog write

KROTZ STOCK FARMS, Odell, Nebraska

Mike Wilson for Kansas Farmer



Attend the 12th Annual Mo. Guernsey Breeders Sale

at the University of Missouri Livestock Pavilion
Columbia, Mo.—12 Noon—Mon., May 2

61 TOP QUALITY REG. GUERNSEYS SELL

They are from leading herds of Missouri, Oklahoma, Iowa, Illinois, Wisconsin, New York, Mississippi.

The Sales Offering: 20 Cows and fresh 2-year-olds. Official records from 500 to 600 pounds. 18 Bred Heifers. 16 Open Heifers. 7 herd-building Bulls. These bulls are out of good cow families with dams over 700 pounds of fat. The bulls are sons of the breeds leading sires. The females represent the leading families of the Guernsey breed. Health—Everything Tb, Brucellosis and Mastitis free. For catalog write to

H. A. HERMAN, Secretary, 101 Eckles Hall, Columbia, Mo.

Aucts.: Bert Powell, E. J. Parminter, Glenn Davis Donald Bowman with Missouri Ruralist



FARM NEWS-GRAPHIC

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



Top money is nothing new to Leon Frantz of Grand Junction, Iowa—shown here with two of his Hampshire sows. In the last 2 years, Leon sold 2 Hampshire boar pigs for the highest prices in the U.S.A. Leon knows that quality pays. He uses Permalube Motor Oil in his tractor, says he's impressed by how Permalube protects his engine and keeps it clean at the same time.



The herd that gypsum built. Marion Tippetts and "helpers", Big Horn County, Wyoming, with Herefords "wintered" last year on a field reclaimed from waste-land by use of gypsum from nearby hills. 22 acres were leveled and treated. On the very poor spots, 50 tons of gypsum per acre were used. The average was 10 tons. Thus land formerly considered worthless now yields a profitable harvest to its resourceful owner. Marion runs his truck and tractor on Red Crown Gasoline. "I get less oil dilution with Red Crown," he says, "and it's packed with power!"



From an Army B-29 came the tires for this 18-foot-long mint wagon. They carry low pressure, which allows a larger tire area to contact the ground. This prevents the wheels from making ruts as John Laidig,

Mishawaka, Ind., harvests his 100 acres of mint. John pulls the wagon with a tractor using Red Crown Gasoline and Permalube Motor Oil. He likes Red Crown's easy starting, says Permalube prevents breakdowns.



Star farmer of America, nineteen year old Kenneth Le Wayne Cheat-ham, of Smithboro, Illinois, received his Future Farmers of America honor at the Kansas City convention last November. Since 1943 Kenneth has netted over \$9,000 in rural youth programs. He now farms 257 acres, and in 1948 had 38 hogs and 27 dairy cattle. Discussing proper operating adjustments of his new tractor, he is shown with D. C. Carnes, Standard Oil Automotive Engineer.



Father and son. Fred and Harold Abey, of Evansville, Wisconsin, win prizes with purebred Holstein dairy cattle and Duroc-Jersey pigs. Here, they handle corn with a tractor-powered husker-and-shredder. Fred says, "We know from experience that Permalube Motor Oil is just right for tractors. It's long-lasting, and it cuts our repair bills by helping to prevent breakdowns."



Win \$5.00. Send your farm pictures with descriptions to Standard Oil Farm Photos, 910 South Michigan Ave., Chicago, Illinois. For each picture that we use in the News-Graphic we'll pay you \$5.00. Thanks a lot!



Your Standard Oil Man