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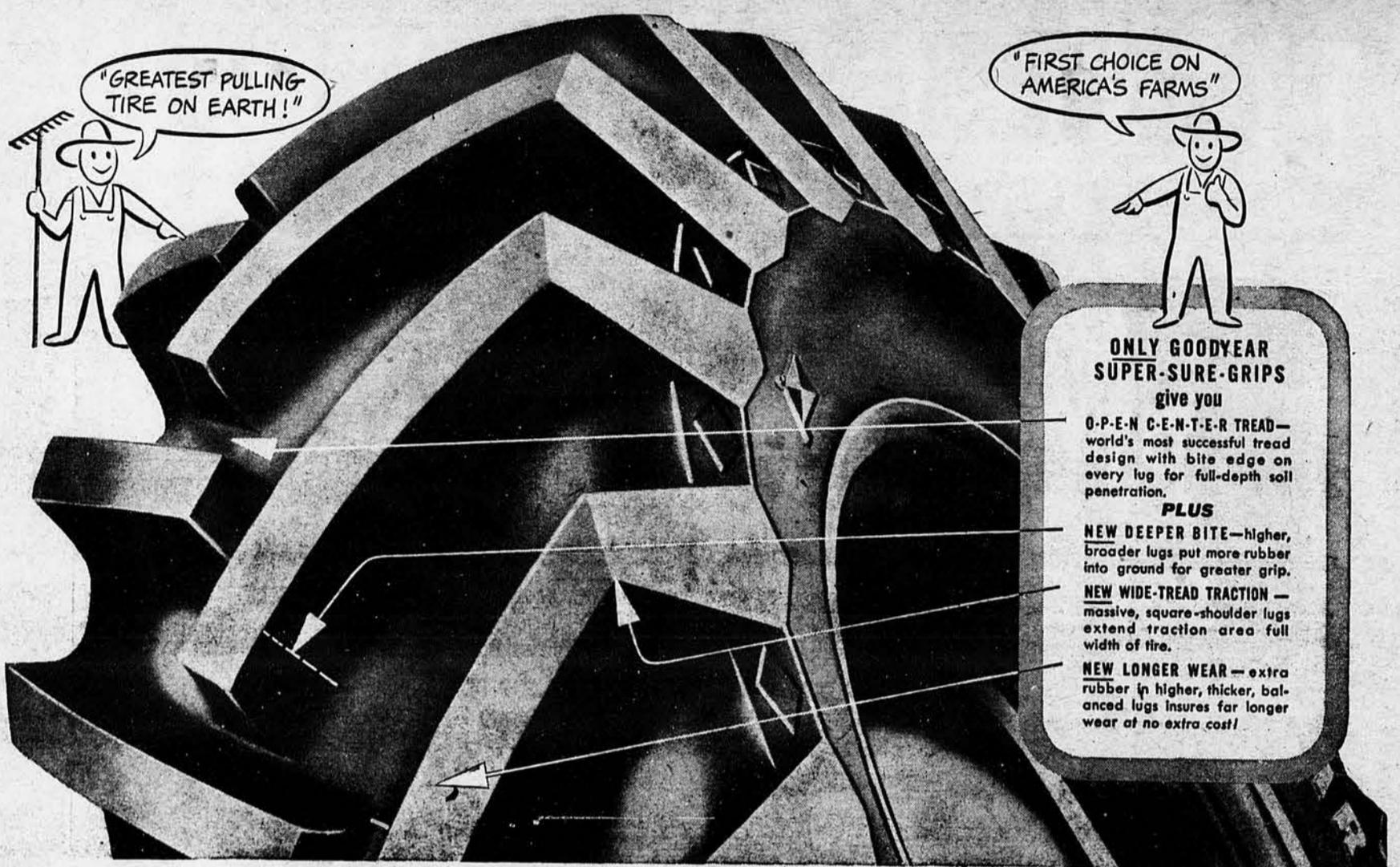
Kansas Farmer

CONTINUING MAIL & BREEZE

JUNE 18, 1949



Girls With a Future in America



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

Landslide preference for this Goodyear **O-P-E-N C-E-N-T-E-R** tire

**— because
more and more farmers
find it keeps tractors
working where
other tires won't!**

If you're interested in getting extra traction to speed your farm work—if you want to save time, fuel and money on your tractor jobs—here's important news.

A recent nation-wide farm survey reveals

that Goodyear o-p-e-n c-e-n-t-e-r tractor tires are America's first choice by a wide margin—*because they pull where other tractor tires won't.*

The vote for these new Goodyear SUPER-SURE-GRIP tires is practically equal to that of the next two makes of tires combined—and is proof positive that more and more farmers have learned that Goodyear tells the truth about this tire's traction—that it pulls heavier loads in tough going where other tires spin and stall—that it has no equal for day-in-day-out farm work.

Reason for this standout performance and popularity is found in the Goodyear tread

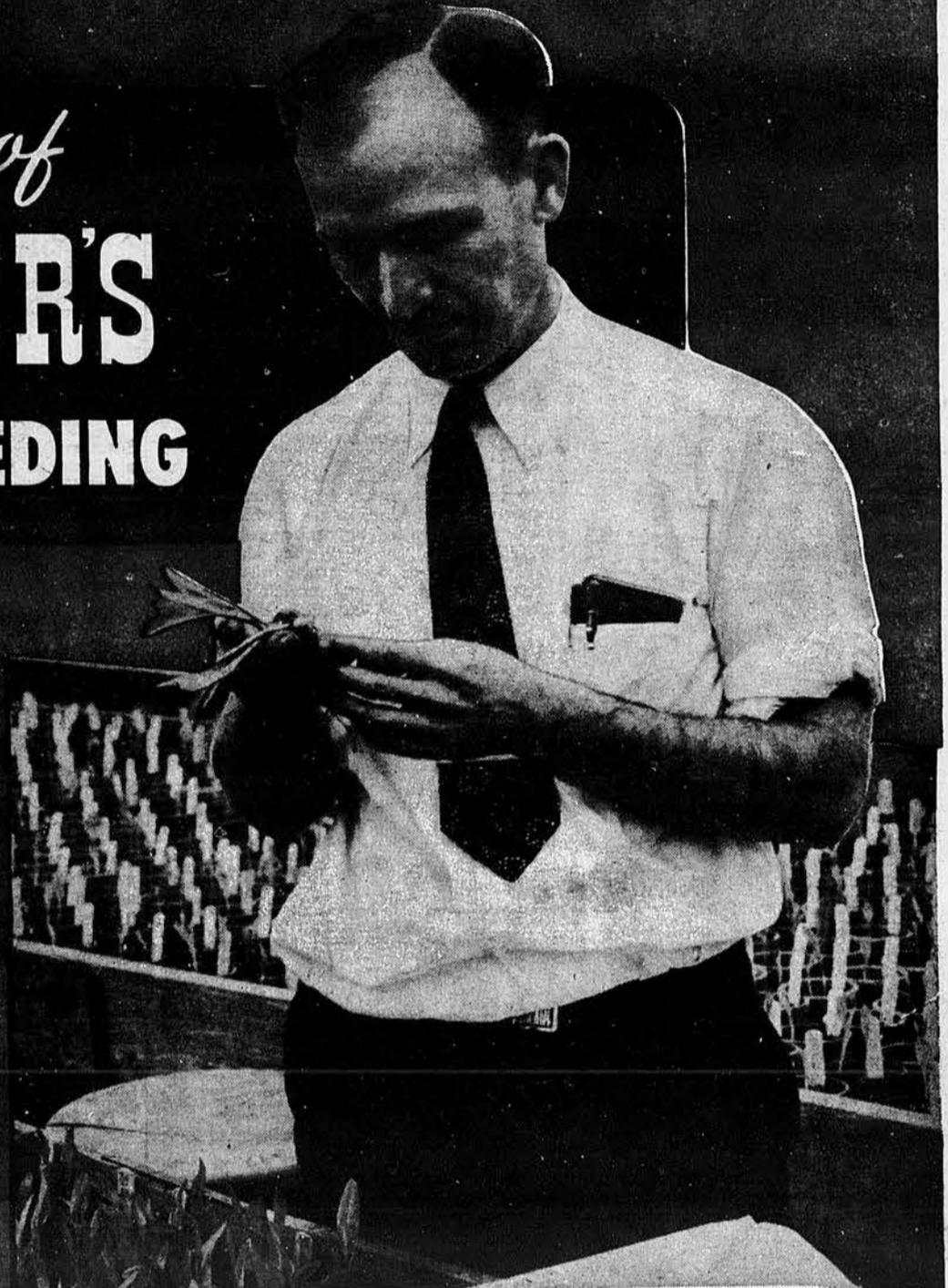
design. Lots more rubber in the lugs—which means lots more rubber *in the ground*. But note that these bigger, broader, longer, high-shoulder o-p-e-n c-e-n-t-e-r lugs are in perfect balance, each one equally sized and spaced. So they grip like a deep-toothed gear wheel, giving super-long wear and "the greatest pull on earth!"

Remember—*only* Goodyear SUPER-SURE-GRIPS have this Goodyear balanced-bar, o-p-e-n c-e-n-t-e-r tread that has won landslide preference from America's farmers because it pulls where others won't, lasts far longer, rides smoother, *yet doesn't cost you a penny more*. So get Goodyears and keep your tractor going!

GOODYEAR
Super-Sure-Grip Tractor Tires

PIONEER *Growers* PROFIT

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PIONEER'S
SOUND BREEDING



Grow Vigorously
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Yield Abundantly



Behind every bushel of PIONEER Hybrid Seed Corn stands the skill, the experience and resources of the largest and oldest research and commercial corn breeding program of the entire hybrid industry.



Pioneer corn breeders include men especially trained in agronomy, genetics, botany, entomology, pathology, soils and other related subjects. Their combined experience totals well over 100 years.

They work with over 400 inbreds and make over 2,500 experimental hybrids each year. This requires over 400,000 hand pollinations annually.



They breed corn at seven Pioneer breeding stations located in five states and test it in every Corn-belt state. They continually develop new inbreds and hybrids—testing and re-testing—rejecting that which is mediocre—accepting only that which long and repeated testing indicates is superior.

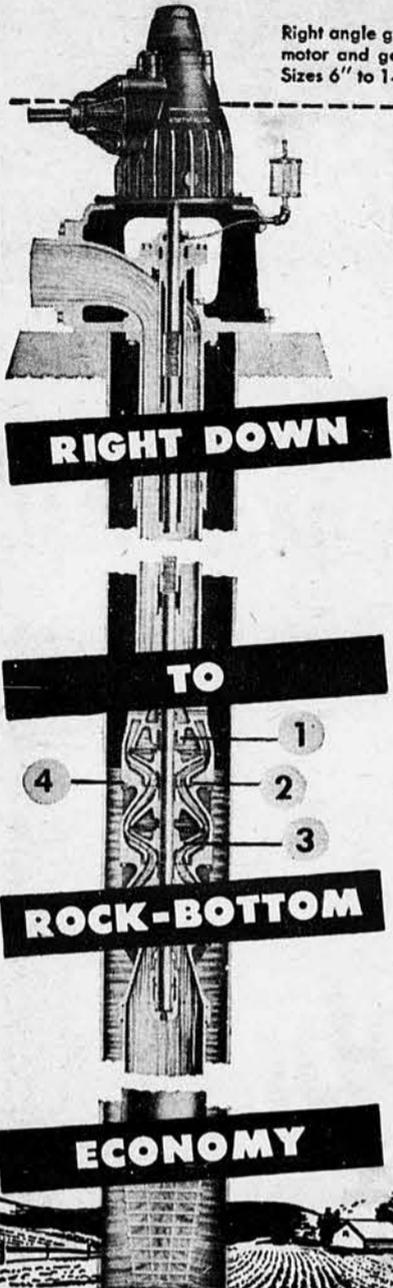
One of the important reasons why over 300,000 farmers will make MORE PROFIT from planting PIONEER this year — is because of PIONEER'S old, large, experienced and well balanced corn research and breeding program.

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Maintains The Oldest and Largest Research Department of the Industry



Right angle gear drive, oil lubricated. Also available in belt, motor and gear-and-motor drives, oil or water lubricated. Sizes 6" to 14"; capacities 50 to 3000 gpm.

Worthington Vertical Turbine Pumps, Combining High Efficiency With Easy Maintenance, Bring You Irrigation At Lowest Cost!

From surface head to strainer, Worthington Vertical Turbine Pumps are designed to give you long years of dependable service, with maintenance cut to the minimum. Features like the following—just a few of many—tell why:

- 1 Shaft seals on oil lubricated pumps prevent leakage from pump to relief port and oil leakage from shaft to oil tube.
- 2 Bronze impellers and bronze wearing rings on all sizes except six-inch.
- 3 Enclosed impellers exert 50% less down thrust than semi-open impellers, reducing load on thrust bearing, and simplifying impeller vertical clearance adjustment because of less shaft-elongation.
- 4 All bowl joints flanged for tightness, strength, easy alignment and resistance to corrosion.

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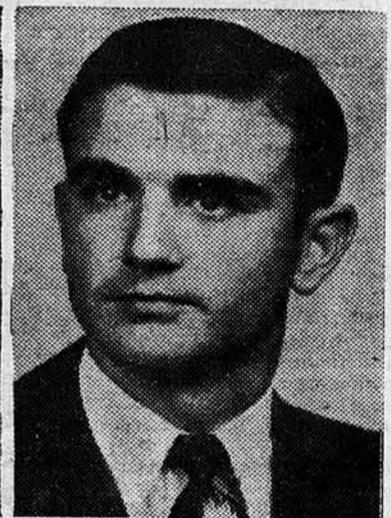
See your nearest dealer or write for illustrated folder.

UNIVERSAL PULLEYS INC.
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**4-H'ers Sail for Europe
Leaving New York June 21**



Evelyn Haberman



Stanley Meinen

EVELYN HABERMAN, 21, a freshman in home economics at Kansas State College, from Heizer, and **Stanley Meinen**, 21-year-old junior in agriculture from Ruleton, are representing Kansas 4-H Club work in the 1949 International Farm Youth Exchange program. A total of 30 outstanding older 4-H members were chosen for the exchange project this summer. Miss Haberman and Mr. Meinen sail from New York on June 21.

Many Kansas 4-H Clubs and groups helped sponsor the Kansas delegates. In return, Staffan Tesch, Bro. Sweden, and Isabel Williams, a 23-year-old Wales farm woman, will spend the summer with Kansas farm families.

Will Be in Switzerland

Stanley leaves the ship at Le Havre, France, and will spend the majority of his time abroad in Switzerland. Both of his parents were born and reared in Switzerland, not coming to this country until maturity. His background includes 11 years of active membership in the Harmony Hustlers 4-H Club, Sherman county. Chief project interests have been junior leadership, crops, livestock, and home improvement.

During the spring semester, 1949, he served as president of the Collegiate 4-H Club, an organization made up of 600 former 4-H'ers at Kansas State College. Thirteen months army training in ski and mountain troops interrupted his college career.

Several Weeks in Holland

Miss Haberman disembarks at Hamburg, Germany, and visits briefly in that country before going to Holland where she will spend several weeks with farm families. Thoro project work and unusual success in community and club leadership were part of Evelyn's 5-year membership in the Eureka Homesteaders 4-H Club, Barton county.

Her latest honor was the winning of the WIBW state service award of a \$250 college scholarship. She attended the 1948 National 4-H Club Congress as the state's first winner in citizenship.

The international project is sponsored co-operatively by the U. S. Department of Agriculture, the Department of State, and the Extension Service.

Last year Armin Samuelson, Shawnee county older 4-H youth, was the Kansas representative. He traveled extensively in England and on the continent, spending much time in Sweden.

Evelyn and Stanley have been invited to write about their experiences for Kansas Farmer readers, the same as Armin Samuelson did last year. As their letters are received they will be printed in Kansas Farmer. You will not wish to miss them.

Value of Savings Bonds

In terms of various farm commodities required to purchase a \$1,000 U. S. Savings Bonds for \$750, the improvement since 1932 and 1939 has been striking. From William E. Baynes, farm representative in the U. S. Savings Bonds Division of the Treasury, come these figures:

To buy a bond for \$750 in 1932, it took 112 hogs at 200 lbs., in 1939 it took 60 hogs; and in February 1949, only 20 hogs. In the same respective years, other comparisons are:

Cattle at 1,000 pounds market weight, 18 head, 10 head and 4 head. Hundred-weight of milk, 586, 446, and 173. Cases of eggs, 176, 144 and 60. Bushels of wheat, 1,965, 1,085, and 386.

Bushels of corn, 2,374, 1,321 and 670. Bales of cotton, 23, 16 and 5. Pounds of tobacco, 7,143, 4,871 and 1,531. Bushels of potatoes, 1,974, 1,076, and 436. Bushels of apples, 1,229, 1,172 and 253.

Sales of U. S. Savings Bonds in 1948 amounted to \$7,295,000,000. Of this total \$4,224,000,000 was in E series bonds, sold only to individuals.

Hunt Crop Uses

Dr. John B. Sutherland, of Burlingame, has been named by the Kansas Industrial Development Commission as technical consultant and co-ordinator of applied research.

"The objective of the applied research program of the commission," says Maurice E. Fager, director, "is to uncover new and added industrial uses for the state's vast agricultural and natural resources. Farm chemistry is the response to the cry for employment here at home, an answer to the call of industry for markets, and a reply to the demand of business for activity and a method for expansion of agriculture's income."

New Way to Dry Grain

You may someday be drying seed grains by chemicals rather than heat. USDA engineers have made successful tests drying lupine seed with air dehydrated by passing it over calcium chloride.

The seed is dried in a tight bin with a screened bottom thru which dried air is fanned. The moistened air from the top of the bin is then recirculated to the bottom of the dryer. In the dryer unit it passes first over brine from the calcium chloride, then over the flakes of the chemical and then back to the bin again. The method is extremely cheap and safe as there is no danger of fire.

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 & Breeze

Topeka, Kansas

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Turns Granary Into Elevator

IT DOESN'T cost much to convert a regular drive-thru granary into a farm elevator, reports Clyde Merryfield, Ottawa county farmer.

Mr. Merryfield is well pleased after converting his granary. He knocked out a section of the old granary driveway floor and put in a pit. He raised a section of the roof for the elevator part. "You want to be sure and get height as wheat fresh from the combine won't run at less than a 45-degree angle," he reports. His elevator shaft is 23 feet from floor to peak.

Cups for the lift were purchased secondhand from a mill and Mr. Merryfield picked up a used portable elevator and lengthened it. He also purchased a secondhand, 3-horsepower motor for power.

Bins are hopped into the pit. Mr. Merryfield likes bins holding about 650 bushels each. "Wheat is easier to move and you have more places to move it when bins are not too large," he says. He has bin storage for about 3,700 bushels and generally moves the wheat 3 or 4 times a year.

"Turning the wheat is no job with a farm elevator," he says. "I just turn on the motor while I'm milking or doing other chores. When I come back I have a bin turned. I also can handle wet or weedy wheat that I couldn't bin on the farm before. Last year I had some wheat the local elevator wouldn't accept. I put it in my bins and shifted it every 24 hours. Some of it was moved 4 times before it was dry but all of it dried out perfectly."

The cost of turning the wheat is very small, Mr. Merryfield says. Last year he moved 3,000 bushels 3 or 4 times at a cost of \$1 to \$1.50 for each complete turnover on the 3,000 bushels. Then, too, Mr. Merryfield likes the idea of eliminating scooping in and out of the bins. His elevator now handles the job with a minimum of physical labor on his part.

Vacuum Cleans Drill

Harold Ponsness, of Miami county, says he has found the slickest way yet for cleaning out a seed drill. He uses his mother's tank-type vacuum cleaner. "It beats anything I have ever found," he reports.

If you have electricity with an outlet in your farm shop or some other farm building, it is no trick to run the drill up to the building, plug in the cleaner, and get the job done, Harold says. "The suction of the cleaner will get down to the bottom of the deepest cracks and do the best cleaning job you ever had."

More Profit

Poultry is returning more profit this year than last, reports M. E. Jackson, Kansas State College poultry extension specialist.

A study of records from general farm flocks for 1948 and 1949, says Mr. Jackson, shows labor income from October 1, 1948, to April 30, 1949, was \$2.14 per hen, compared to \$1.05 for the same period a year ago.

To Help Crops

About one third of the entire U. S. production of sulfuric acid is needed to make phosphate fertilizers, says the U. S. Department of Agriculture. This means 3 million tons of 100 per cent sulfuric acid is used for fertilizers.



"Promise you won't laugh if I miss him?"

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*High Viscosity Index—The lubrication engineer's term for high resistance to change in body under extremes of heat and cold.

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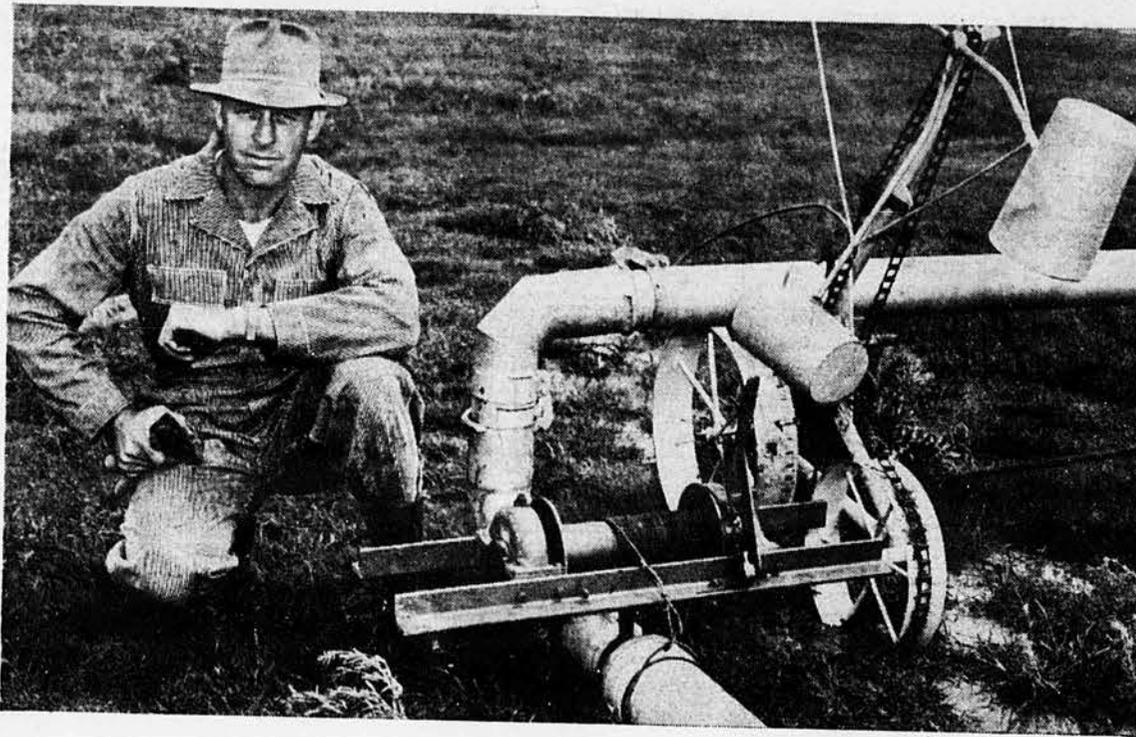
2 Full Protection—Choice stocks and "built-in" cleaning properties mean unsurpassed protection against friction, wear, deposits.

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!



At Left: Gerald Cain, shown here, invented this telescopic supply line to provide water for the Bird system. Telescopic action of the pipe is controlled by hand winch equipped with friction brake.



Above: Raymond Bird, the inventor, shows how water to power wheel is tapped from riser by means of metal tubing. In his right hand Mr. Bird is holding the parts of the water distributor valve.

Here's a Kansas Farmer Who . . .

Put Irrigation On Wheels

By Dick Mann

IT TOOK a Kansas farmer to put irrigation on wheels. The farmer is Raymond Bird, of near Sublette, who has recently put on the market his Bird self-propelled sprinkler system which he hopes and believes will revolutionize the sprinkler-irrigation business.

You won't believe it until you see it, but Mr. Bird can start a sprinkler line at one end of a field and it will automatically move across that field under its own power, sprinkling as it goes. The system can be adjusted to travel at speeds ranging from one foot to 30 feet an hour, and your field will be completely irrigated when the system reaches the far end.

Many a farmer has dreamed about how wonderful it would be if his sprinkler system could get up and walk to a new location. Mr. Bird has gone that idea one better. His system provides for a continuously moving line of sprinklers that one man can keep in operation.

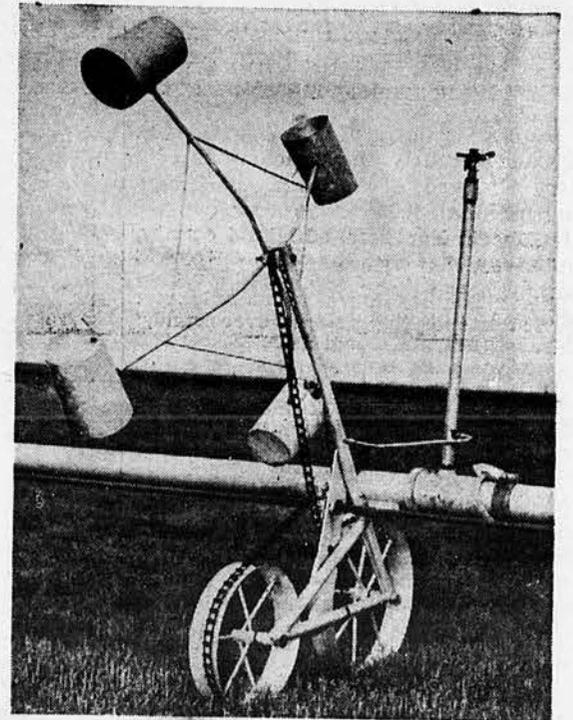
Below: Here is the first picture ever published of the Bird self-propelled sprinkler system in operation on the Bird farm, near Sublette. Water power moves the system across the field automatically.

Under the Bird system, a self-propelled power unit is used for each section of lateral pipe. These self-propelled power units use the principle of the old overshot water wheel. Each unit is composed of a power wheel to which is attached gallon containers, and into which water is directed thru wheel spokes to provide power by gravity.

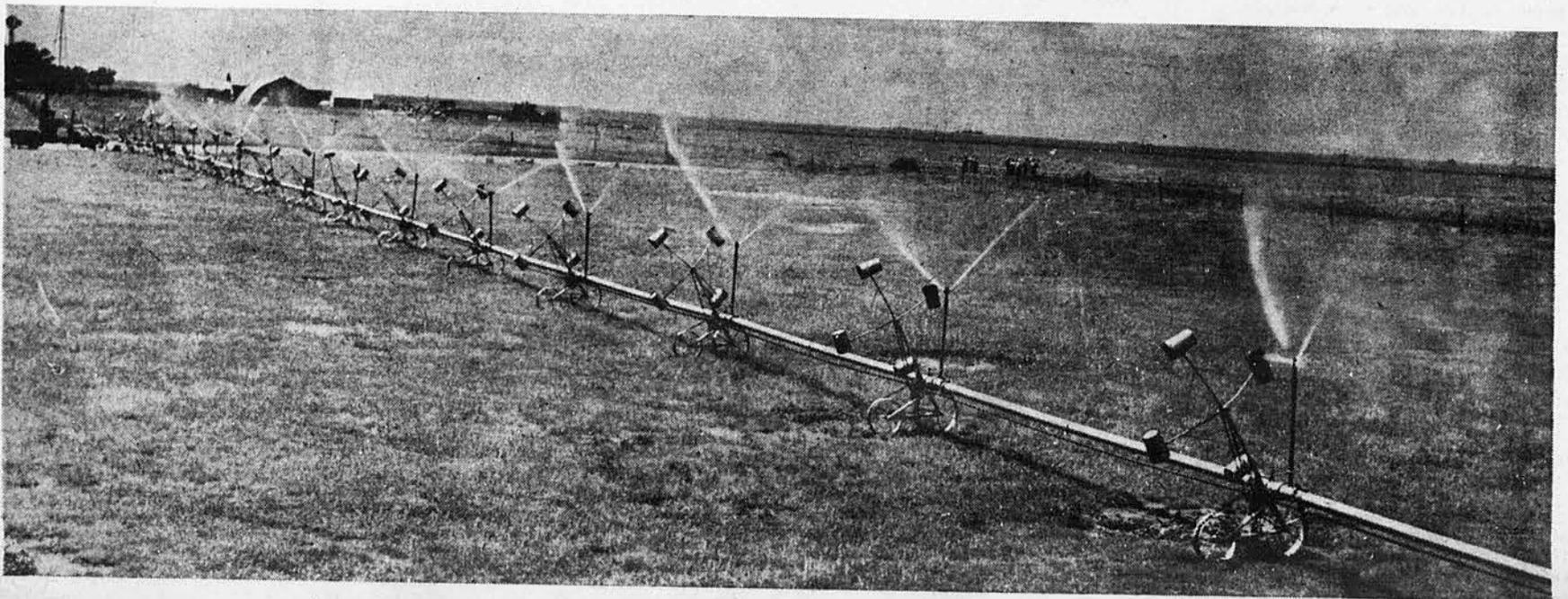
Water is supplied to the power wheel by tapping the riser on the lateral and running the tapped water thru a timed water distributor in the hub of the power wheel. The power wheel drives a sprocket which, in turn, drives a chain that is used as a propelling track. Supplemental traction and support are provided by 2 wheels over which the chain runs.

In the demonstration held on his farm, Mr. Bird used 24 sections of 4-inch lateral pipe in 20-foot sections for a continuous line 480 feet long. Each power unit on the line was kept in tune with all other power units by means of synchronizing rods. These rods are standard equipment with the de luxe models and connect direct to sprocket wheel on each unit.

Each power unit has a metal arm welded to the frame at right [Continued on Page 28]

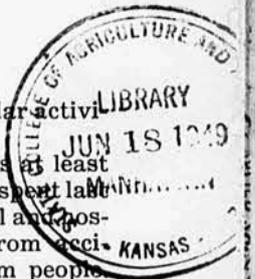


Above: The principal of the old-fashioned water wheel is used for power. This single unit shows details. Water is distributed from the wheel hub thru the spokes and into gallon containers. Gravity does the rest.



Farm Matters

AS I SEE THEM



I REMEMBER several years ago my good friend, Alf Landon, then Governor of Kansas, telling me 2 questions he always asked himself when it was suggested he buy something. These were:

"1. Can I afford it?"
 "2. Can I get along well without it?"
 And, as I remember it, he also told me that was a general rule he applied while Governor in dealing with the State's fiscal policy.
 It seems to me that it might be a good idea for those who guide the United States Government at this time to ask, before recommending or authorizing and appropriating these billions and billions of dollars that Uncle Sam is showering on the world in general as well as on domestic plans and programs, to ask these questions.

And this applies all along the line. It applies to President Truman. It applies to his close advisers. It applies to the heads of government departments, bureaus, boards and commissions who formulate recommendations for new expenditures, and for larger budgets for existing spending agencies.
 And certainly, also, it applies to Congress, which, under our form of government, has the responsibility as well as the power to "control the purse strings," as the expression goes. From my 30 years experience in the Senate of the United States, I have become convinced that Congress will exercise that responsibility only if it feels the people are back of it in a real effort to cut down expenditures.

I cited recently the conclusions of Senator Harry F. Byrd, of Virginia, chairman of the Congressional Joint Committee on Nonessential Government Expenditures. Senator Byrd pointed out that without the additional expenditures proposed by President Truman for social welfare at home and rearmament of Europe, federal, state and local expenditures are running close to 65 billion dollars a year—about \$1,800 per family in the Nation.

Senator McClellan, of Arkansas, another Democrat by the way, carries the matter still further. He argued before the Senate that if President Truman's entire program should be approved and appropriated for, it would call for close to 65 billion dollars a year for Federal Government expenditures alone. That would mean total government expenditures (charges against taxpayers) of between 80 and 85 billion dollars a year.

Among the proposals now pending in Congress and sponsored by the Administration, Senator McClellan pointed out, are these:
 First, to increase old-age and survivors insurance benefits, and to extend these benefits to 20 million more persons. Second, to expand unemployment compensation to include millions not now eligible, and to increase substantially the payments. Third, to provide free professional treatment, medical services and hospitalization to 80 to 85 per cent of the American people under a compulsory "health insurance" program. Fourth, to subsidize, from the Federal Treasury, the food bills of all consumers throughout the Nation—the Brannan farm program. Fifth, to subsidize housing for millions of our

citizens in the lower income brackets. Sixth, to pour out millions, which would run into billions, in various kinds of grants-in-aid to states, other political subdivisions, and to various institutions and agencies. Seventh, to raise substantially the salaries of the present more than 2 million federal employes, and add additional hundreds of thousands to the federal pay roll.

"In addition to this," Senator McClellan said, "we are requested and expected to spend some 8 to 10 billion dollars annually abroad to aid and assist in the economic recovery of other countries. We also will be asked to spend billions for rearmament of Europe in implementation of the North Atlantic Pact. We likely will be asked to make other pacts and many, many other expenditures to implement them."

It seems to me the time has come for official leaders of the American people, and for the American people themselves, to apply these 2 tests to each and all of these programs:
 "Can we afford to pay for them?"
 "Can we get along without them?"
 I'd be glad to know what you think about this matter.

Practice "Safety First"

I KNOW my Kansas farm friends are facing the busiest time of year. So it is important to remember those two words that have saved more lives and prevented more accidents than any others I know—"Safety First."

Let me take a minute here to tell you that the week of July 24 to 30 will be National Farm Safety Week for 1949. Sponsored by the National Safety Council, this safety week is proclaimed by the President of the United States, and it has the approval and backing of the National Grange, National Farmers Union, and the American Farm Bureau Federation.

There isn't any question about our being able to reduce the number of accidents in Kansas. Some years ago, you will recall that Secretary J. C. Mohler, of the Kansas State Board of Agriculture, gave wide publicity to a survey of accidents on our Kansas farms. The Kansas Farm Safety Committee, of which he is chairman, had these figures broadcast over the state by press and radio, and urged farm folks to be careful; asked them to hunt out accident hazards on their farms and eliminate them. As a result the accident rate on Kansas farms was greatly reduced.

A little extra thought, a little extra time, a little extra carefulness will save you from serious accidents this busy summer. I urge you to begin right now "practicing for Farm Safety Week," and then continue practicing farm safety every week in the year.

I have a report on the farm accident situation for last year which proves there is need for a real crusade against accidents to farm people. This report, made from a survey conducted by the U. S. Department of Agriculture, states that last year, at least one resident of every 6 farms was the victim of an accident involving one day

or more lost from regular activities.

This report also says at least 36 million dollars were spent last year for medical, dental and hospital care resulting from accidental injuries to farm people. That is just the amount spent for medical care. It does not include the costs of accidents to people who were killed or who suffered permanent total disabilities. Nor does it include the value of lost time which last year amounted to 17 million days. Lost time averaged about 20 days per accident. Medical care costs averaged \$43 per accident, and only a fourth of such costs were covered by insurance.

You may be wondering what caused the most accidents last year. Are you surprised to learn that falls were reported as the leading type of accidents to farm people? They accounted for one fourth of all accidents. We hear a lot about careless machinery operation causing so many accidents. Well, accidents involving machines, and those involving animals by the way, each accounted for about one eighth of all accidents to farm people. This makes me think farmers are using more of the safeguards provided by the manufacturers of farm machinery. That certainly is the thing to do.

Accidents to farm people can happen most any place. This report finds that 72 per cent of all accidents to farm people occurred on the farm. And here is something to note: Sixteen per cent of these on-the-farm accidents happened in the farm home. The farm home isn't the safest place on earth, after all, unless you make it that by being careful. Fifty-six per cent of the accidents happened on the farm outside of the home.

Here are a few more highlights from the report: Men had an accident rate more than 3 times as great as women, and men 25 to 44 years old had the highest rate. The South showed the lowest rate of accidents with 27 out of every 1,000 of the farm population suffering a disabling injury. Falls accounted for about 40 per cent of accidents to children under 5 years old. Falls from stairs, wagons, trucks and haymows disabled a lot of mature folks. Bulls were responsible for less than one per cent of all farm accidents; horses led in accidents caused by livestock with 7 per cent.

Lifting heavy objects—logs, lumber, sacks of feed—was a cause of a great many accidents. Hand tools were troublemakers, with axes leading the parade; while chopping wood, the ax slipped or glanced, or missed the wood completely, causing many injuries to feet. Knives came second as accident-makers among hand tools, and pitchforks came third.

I don't need to tell you there is a long list of things that can be involved in accidents if improperly handled or stored. Used properly they are nothing to worry about. I hope every Kansas farm will be able to go thru the balance of this year without one single accident.

Arthur Capper
 Topeka.

Brannan Plans Production Control

By CLIF STRATTON
 Kansas Farmer's National Affairs Editor

BIG brass of the National Democrat Party sounded off at Des Moines, Ia., last Monday. The Midwest Farm Conference opened the drive to elect Democrats to Congress in 1950 in the 16 states represented by national committeemen and state chairmen of Colorado, Kansas, Nebraska, Iowa, Missouri, Oklahoma, Michigan, Minnesota, Montana, North and South Dakotas, Wisconsin, Wyoming, Illinois, Indiana and Ohio.
 Vice-president Alben Barkley, Dem-

ocrat National Chairman J. Howard McGrath (senator from Rhode Island), A. F. Whitney of the Brotherhood of Railway Trainmen and top-flight AFL and CIO executives, all rallied around Secretary of Agriculture Charles F. Brannan and the Brannan Farm Program "for high selling prices and low

buying prices." The Brannan program was the program of the meeting, but discussion ranged largely around how it best can be used to elect farm-district congressmen who will support it.
 Brannan explained the program is designed to determine a level of farm income below which government will

not allow farm income to fall. "The income standard I have suggested is that amount which will maintain farm purchasing power as high as the average of the past 10 years," said Brannan, amid cheers. "For 1950 this would require a dollar cash income of \$26,200,000,000 . . . 15 per cent less than last year's dollar income. This income standard is used as starting point for computing price supports. No income is absolutely guaranteed, or course."
 (Continued on Page 26)

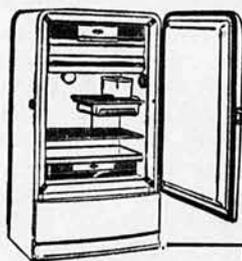
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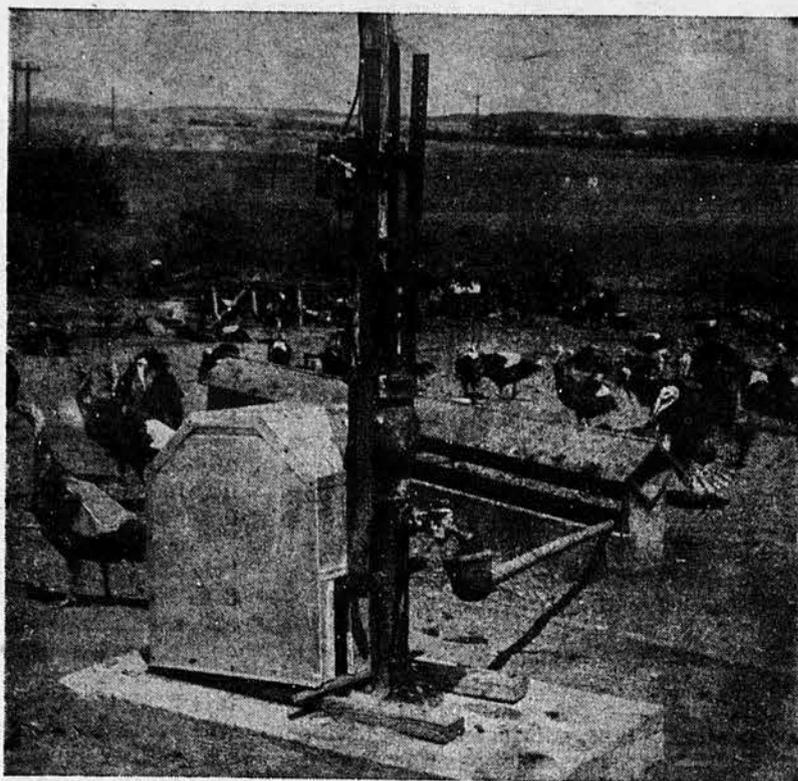
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| ATWOOD Schandler Furn. Co. | ERIE Rogers' Hwd. & Furn. | LEON Losh Motor Co. | ST. FRANCIS Roelf's Electric Store |
| AUGUSTA O'Brien Furn. Co. | ENKIRIDGE Willard Sales & Serv. | LEOTA Western Hdw. & Sup. | ST. JOHNS Peacock & Solee |
| AXTELL Roth's Lock. & Ap. Co. | EUREKA Burton's Furn. & Appl. Co. | LIBERAL Hettie Appl. Co. (Ref.) | ST. MARYS Tessendorf & Youngkamp |
| BARNES Barnes Ap. & Pibg. Co. | FLORANCE W & R Appliance Co. | LINCOLN B. G. Hall | SALINA Goodhousekeepers Appl., Inc. |
| BAXTER SPRINGS Kane Furniture Co. | FORT SCOTT Fillzola Off. Equip. Co. | LINCOLNVILLE Burkholder Lbr. Co. | SCANDIA Sanborn Lumber Co. |
| BELLE PLAINE Foster Refrig. & Appl. | FRANKFORD Lauer Electric Shop | LINDSBORG Billings Refrigeration & Elec. Appl. | SCOTT CITY Bryans, Inc. |
| BELLEVILLE Fitch & Barth, Inc. | FREDONIA Hollis Hardware Co. | LITTLE HAVEN Hodgson Impl. & Hdw. | SEDAN Ding Bell Chev. Co. |
| BELOIT Hiserote & Weir Appl. | GARDEN CITY Mayer's | LYONS Schneider's Furn. Co. | SHARON SPRINGS C. E. Koons & Son |
| BENNINGTON Powell Service | GIRARD Evans Appliance Co. | MADISON Sauder Hardware Co. | SMITH CENTER Simmons-Olliff Furn. & Und. |
| BLUE RAPIDS Brake's Furn. Store | GLASCO R. W. Cramer Hdw. | MANHATTAN Raup Furniture Co. | SPEARVILLE Heskamp Chev. Co. |
| BUCKLIN Day Hardware Co. | GOODLAND D & G Electric Co. | MANHATTAN Raup Furniture Co. | ST. FERD Peacock & Solee |
| BUHLER Voth Radio Shop | GREAT BEND Chaffee Electric Co. | MANKATO Bear Motor Co. | STERLING F & A Electric Co. |
| BURDEN Lewis Chevrolet Co. | HANOVER Schwartz Appl. Co. Elec. Co. | MARION W. J. Haas Furn. & Ap. | STOCKTON Quenzer Appl. Co. |
| BURNS Lyons Supply Co. | HALSTEAD Mantle's Dept. St., Inc. | MEADE C. F. Worman Elec. & Pibg. | SYLVAN GROVE F. A. Gatewood & Sons |
| CALDWELL Terwilliger Hardware | HARPER Jess Hamilton | MEDICINE LODGE Dickey Appl. Co. | SYRACUSE Stewart Furniture Co. |
| CANYE Pendleton Chev. Co. | HAYS The Merchandise Mart | MILTONVALE Pheps Furn. Store | THOMAS Timken Lumber Co. |
| CAWKER CITY Riley-Rhoades Ap. Co. | HERINGTON Fred Lee & Sons | MINNEAPOLIS Hornor Hardware Co. | TRIBUNE Western Hdw. & Sup. |
| CEDAR VALE Williams Motor Co. | HILLSBORO John Hiebert | MOLINE Ames Chevrolet Co. | TURON Turon Elec. Supply |
| CHANUTE Naf & Bolze Hwd. | HOISINGTON Gelman Appl. Co. | MORGANVILLE Will F. Taddiken | ULYSSES Durham Electric Co. |
| CHAFFMAN Sanborn Lumber Co. | HOPE W. W. Wuthnow Furn. Co. | MOUND Krehbiel Hardware | WAKEENEY Clark Supply Co. |
| CHENEY Cheney Implement Co. | HOWARD Virgil Munsinger | MOUNDRIE Krehbiel Hardware | WAKEFIELD Sanborn Lumber Co. |
| CHERRYVALE Clark's Maytag Co. | HOXIE (Grinnell) H. J. Rietcheck Appl. | NASHVILLE Stewart Motor Co. | WAMEGO J. E. Stewart & Sons |
| CHEYVALE Blankenship Hardware | HUGOTON Richardson Elec. Co. | NATOMA Pohlman's Home Furn. | WASHINGTON Davis Food Bk. & Ap. |
| CIMARRON Young Appliance Co. | HUTCHINSON Graber Furniture Co. | NEODESHA Kimball Electric Shop | WATERVILLE Hensley Hdw. & Furn. |
| CLAY CENTER Marshall's, Inc. | INDEPENDENCE Dixon & Ebert Co., Inc. | NESS CITY Schroyer's, Inc. | WELLINGTON Nichols Electric Co. |
| CLIFTON Becotte-Esslinger | IOLA Schell's Appl. Store | NEWTON Jenkins Appl. Co. | WICHITA Bennett Music House |
| CLYDE A. Seifert Jewelry | JETMORE Lindas Lumber Co. | NORTON Horney's Appl. Co. | WICHITA Geo. Innes Co. |
| COFFEYVILLE Southwestern Sales Co. | JEWELL Culbertson Lumber Co. | OAKLEY C. D. Clark & Sons, Inc. | WICHITA Vowel Furniture Co. |
| CONCORDIA Culbertson Elec. Co. | JOHNSON Cave's Homegas | ONAGA Tessendorf Furn. Co. | WICHITA Whitecomb Appl. Co. |
| CONWAY SPRINGS Lewis Pibg. & Appl. | JUNCTION CITY Waters Hardware Co. | OSBORNE Quenzer Appl. Co. | WILSON Weber Hardware |
| COTTONWOOD FALLS Hamm Electric Co. | | OSWEGO Williamson Stores, Inc. | WINFIELD Winfield Electric Co. |
| | | OXFORD Abildgaard Hdw. Co. | YATES CENTER J. C. Schnell |
| | | PARSONS Ellis Radio & Appl. Co. | |
| | | PEABODY Baker Furn. Store | |

Turkeys Will Pay



This well, with an electric pump, saves a lot of labor in watering 600 turkey hens and 60 toms on the farm of Floyd Buck, Ottawa county.

A TURKEY breeding flock is a pretty reliable profit maker, states Floyd Buck, of Ottawa county. He ought to know since he has been keeping breeding flocks all but 3 years since 1919. "I had one year, 1936, during which I failed to make a profit on my flock," he says. "All other years I have come out ahead."

This year he has 600 broad breasted hens and 60 toms. "With good management, turkeys will be profitable this year but not as good as last year," Mr. Buck believes.

In feeding his laying flock, he gives them all the oats and kafir they will eat, plus a 20 per cent laying mash. He uses pellets for the mash because of less waste due to wind. His flock also gets plenty of minerals and grit.

The flock is kept on a knoll where

good drainage is found and Mr. Buck this year solved the water-carrying problem. He put down a well in the pens and uses an electric pump to supply all the water needed. "That well and pump save me more labor than anything I could do," he reports.

Eggs are gathered every 1 1/2 hours to prevent excess breakage. The hens are laying better than 50 per cent this year and eggs are bringing 35 cents each. "It pays to gather them often as the hens will pile up and break a lot of eggs if you don't," Mr. Buck explains.

To keep hens and toms from flying out of the pen, he clips one wing on each bird. This method has proved very effective. He uses a series of 5 pens for broody hens and confines them with toms for a 5-day period to break them.

Oppressed Peoples Need More Food

NEED for food in the oppressed areas of the world is still great. And demands for contributions thru CROP (Christian Rural Overseas Program) can be expected to be larger this year than last. That was indicated at the Kansas CROP Council meeting held in Topeka recently.

CROP sent 2,200 freight cars of food overseas in 1948, former Senator Arthur Capper reported as he congratulated Kansans for contributing 145 carloads of that total in wheat, corn and powdered milk. This year the tentative goal for the state is 165 cars of wheat, 25 cars of corn and 10 cars of miscellaneous supplies, according to Leonard M. Lowe, Kansas CROP director. Last year's contribution reached the needy in 42 countries.

In behalf of the Kansas CROP organization, Senator Capper presented certificates of merit to 25 individuals or organizations in the state for outstanding service to the CROP program.

Awards were made to the following: C. C. Francis, Hiawatha; Charles Van Epps, Robinson; Frank Stucky, Columbus; Mrs. Herbert N. Schmidt, Bluff City; E. H. Coles, Colby; Rev. Frank Page, Dwight; Rev. Alvin O. Engleman, Alma; Rev. C. H. Rhulen, Clay Center; Rev. M. N. Tatley, Mankato; Bert Brinkley, Princeton; Rev. Melvin Ostlin, Tribune; D. C. White, Kingsdown; Forrest Green, Minneapolis.

Awards to Radio Stations: WREN, Topeka; KXXX, Colby; KSAL, Salina; KVGB, Great Bend; KGNO, Dodge City; KCLO, Leavenworth. Newspapers: The Daily Capital, Topeka; Ellis County News, Ellis.

Others included the Colby Chamber of Commerce, Kansas Council of Church Women, William Ljungdahl, Menlo, 1948 CROP chairman for Kansas, and Governor Frank Carlson.

Assurance that food supplies given

to CROP reaches needy people was given by 3 speakers during the council meeting. Dr. Julius Bodensieck, United States Protestant liaison representative to General Clay, 1946 to '48, reported the help from CROP was received with gratitude by the defeated people of Germany. Similar assurance was received from the Rev. Russell Scheidler, of the Catholic Rural Life Association, who has traveled in Europe and is an authority on displaced persons' camps.

Both men pointed to the co-operation between Catholics, Protestants and Jewish people in performing these humanitarian tasks.

From the opposite side of the world, Dr. Arthur B. Coole, Methodist relief worker in the Far East, had much the same story to tell about the good done by CROP supplies.

Kansas is in position to continue raising bumper crops for years without injuring the soil. That was an opinion expressed by Dr. Harold E. Myers, head of the agronomy department at Kansas State College. We can keep on having record crops for a thousand years if we keep our soil tied down.

For Better Fruit

To answer your questions on tree fruits, small fruits and spraying of all fruits, send for the circular, "Home Fruit Production in Kansas," by William G. Amstein, Kansas State College Extension Horticulturist. It contains many helpful suggestions on these subjects. In ordering, please ask for Circular M34. It will be sent free as long as the supply lasts. Address post card to Farm Service Editor, Kansas Farmer, Topeka.

"The Claude A. Miller, Jr.'s Go ALL-ELECTRIC!"

CLAUDE MILLER is certificated by S.C.S. as one of the five leading farmers of Sedgwick County. His 560 acres are contoured, terraced, tilled and rotated according to the latest and best soil conservation practices.

These same progressive principles have been applied by Mr. and Mrs. Miller to their neat three-bedroom home. The result is an all-electric home that is practical, pretty and a joy to live in.

"These electric appliances are not a luxury," say the Millers. "They're just as much a necessity as modern farm machinery. They help get a job done in the best and cheapest way possible."



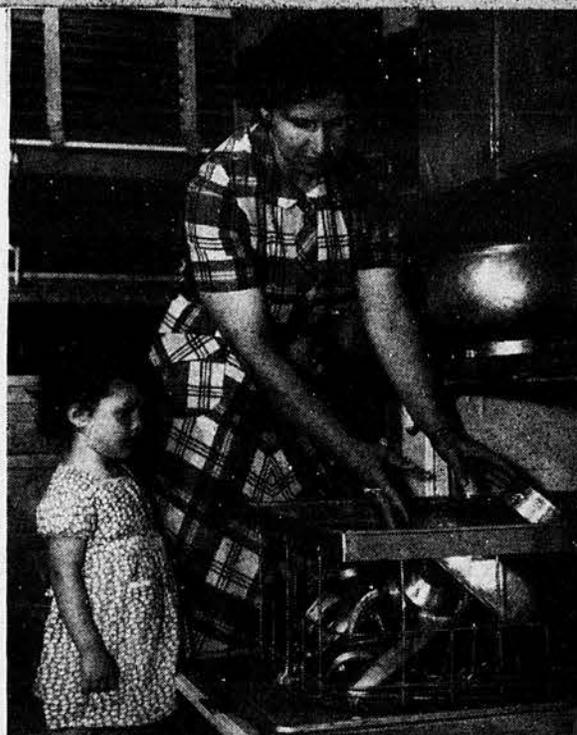
No, not the kitchen of a big estate or fancy city home. It's the all-electric kitchen of Mrs. Claude Miller, Jr., planned and arranged to save steps in meal preparation . . . and with electric appliances to eliminate the drudgery of kitchen work.



Heart of any farm home is a good water system. Claude Miller discusses the advantages of his automatic electric water system with a utility representative. "Electric service is the cheapest thing we buy," stated Claude, "and there's nothing we get more advantages from or more pleasure."



The electric range with its automatic features, safety, cleanliness, beauty, and outstanding cooking results is a real joy to Mrs. Miller. "Much as I like it all the time, I really appreciate the advantages of electric cooking when I'm getting meals for 10 to 15 hungry men during the periods we have to have help," says Mrs. Miller.



"I'd hate to think about getting along without my dishwasher," says Mrs. Miller as 3-year-old Genell looks on. "It's wonderful just for the four of us. But when I have 10 or 15 to wash up after . . . well, it really pays off. I use it to wash the separator, too. There's never any odor like there used to be."



Young appetites find it hard to wait for meal time and Buddy and Genell are no different from other healthy children. It didn't take them long to learn that the big gleaming electric refrigerator is just the place to find a tasty tidbit to satisfy young tummies until dinner time.



When you're six years old, washing up is quite a chore — especially with soap and water. But it's not so bad when you have a modern and beautiful bathroom like this. Buddy Miller proved it for the photographer by willingly soaping up.



Hot — really hot water is as much a necessity for washing, cooking and bathing as it is a luxury. This electric water heater furnishes the Millers with all the piping hot water they need for kitchen, bath, laundry and other purposes.

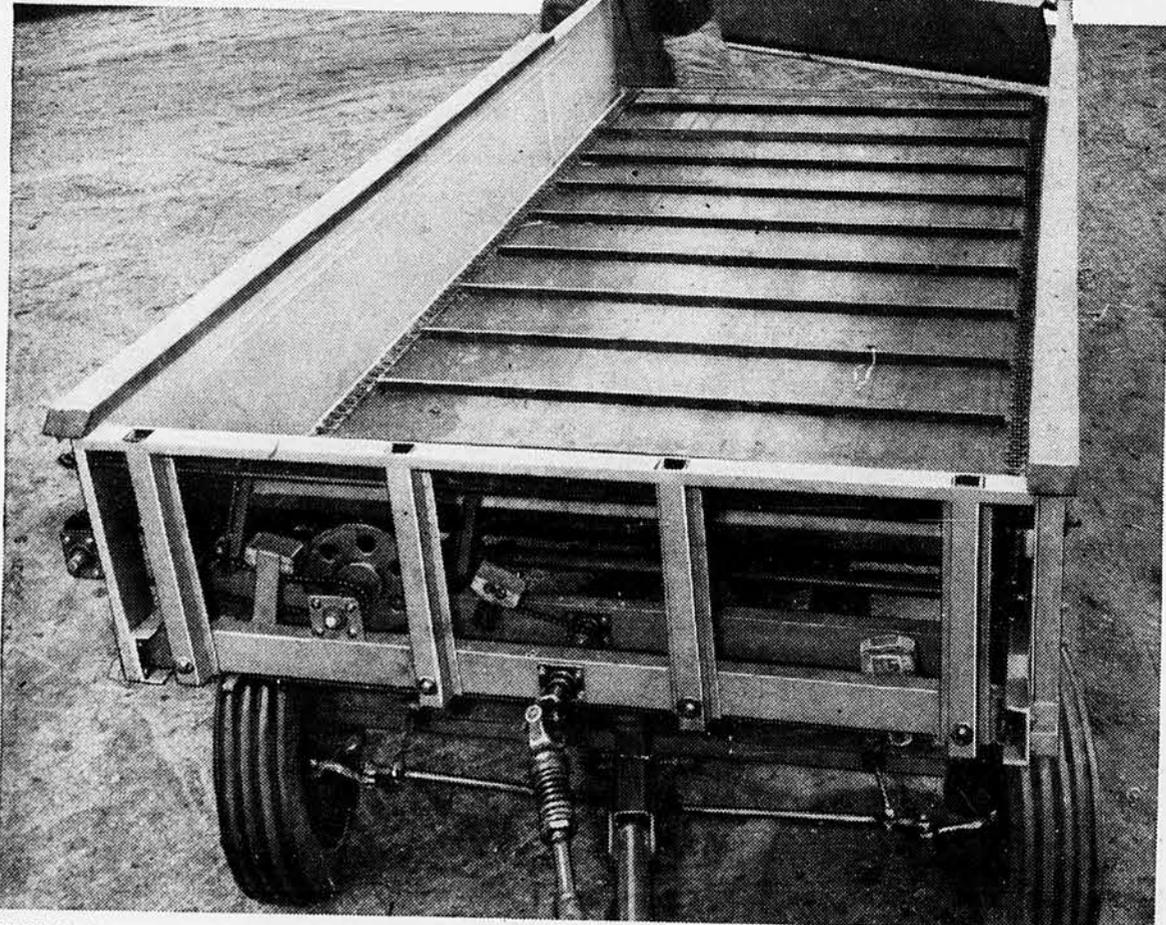
ELECTRICITY— Does the Job Better!

This Message
from the
Pioneers of
Rural
Electrification

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

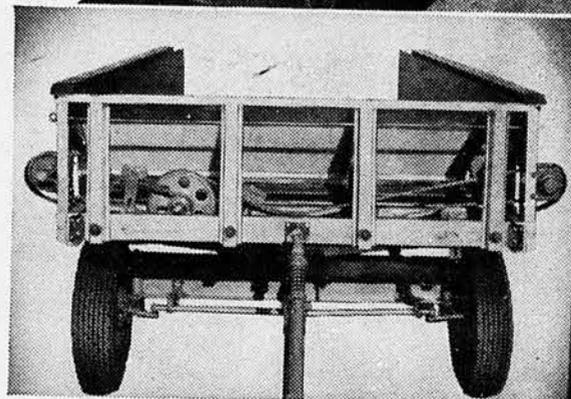
"It's here...ready to order NOW! FARMHAND 'POWER-BOX' with automatic unloader, spreader, mixer-feeder!"

PERFECTED after 3 years of experiment . . . FARMHAND's remarkable 4-ton capacity wagon box with powered unloading mechanism across full width of bed . . . for effortless hauling and handling of farm loads.

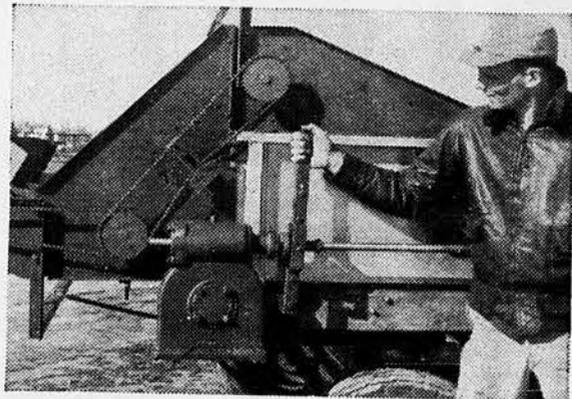


TAKE A LOOK at the invention that's going to revolutionize farm hauling . . . save you hours of time and countless dollars of labor cost all year around! Power from tractor or Jeep take-off (or 1 or 2 h.p. stationary

engine) activates the endless chain of moving steel slats that sweep down full width of "Power-Box" wagon bed . . . feeding out any amount of any kind of load where you want it . . . under complete control at all times.



A MASTERPIECE of fine, precision engineering! Extra-wide construction. Heavy aluminum sides and tail gate . . . husky oil-treated fir plank bed . . . braced and welded throughout for super strength . . . built to last for years.

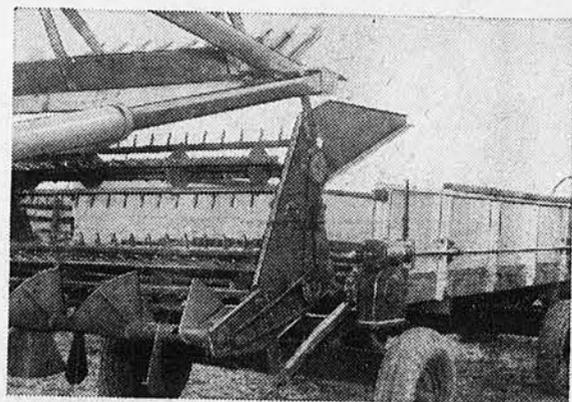


SIMPLE, DEPENDABLE . . . easy to keep in top running trim. All parts accurately machined for long life . . . "easy to get at" for repairs and adjustments. Ball and roller bearings throughout. Slip clutch on take-off shaft for safety.

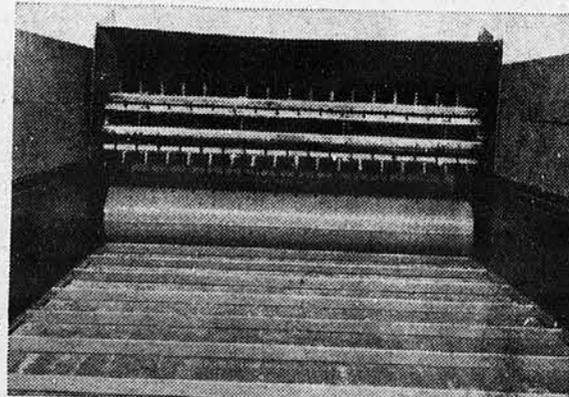


NO MORE DRUDGERY unloading wagons! The FARMHAND "Power-Box", with its rugged, dependable chain-drive conveyor, moves out loose or bulky contents continuously . . . or stops unloading action with a flick of the

control lever. Use it as a conventional wagon box, too, with power off. No mechanism to get in your way. Wide, stable flat bed and braced aluminum sides make it the finest all-purpose heavy-duty wagon box you've ever seen.



SPREADER ATTACHMENT mounts on "Power-Box" quickly, easily. (Here it's shown being hoisted into position by FARMHAND Hydraulic Loader.) Add Spreader or Mixer-Feeder attachment to "Power-Box" at any time.

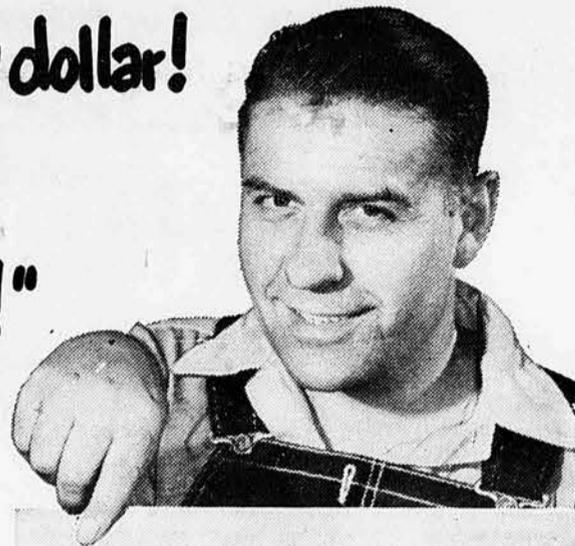


MIXER-FEEDER ATTACHMENT shown in position on rear of "Power-Box." Mixing drum plus beaters insure complete mixing of grains and roughage. Ruggedly built for long life and dependable service.

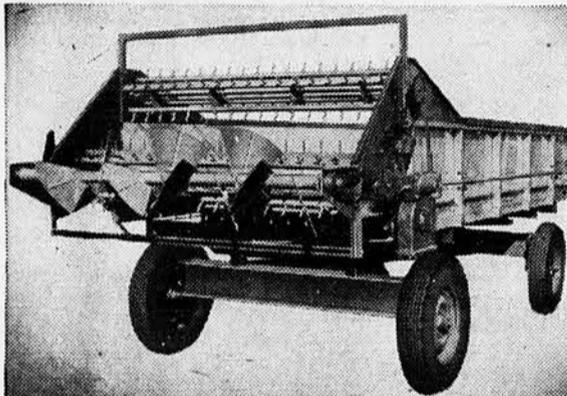
"Gives you maximum work for your machinery dollar!

FARMHAND 'POWER-BOX'

keeps busy all year around at jobs like these!"



Spreading manure, feeding cattle and hogs, hauling grass silage, picking corn, harvesting peas and beans, hauling chopped hay, grain, potatoes, beets, corn bundles, bales, dirt, coal, snow...any bulky or loose load!



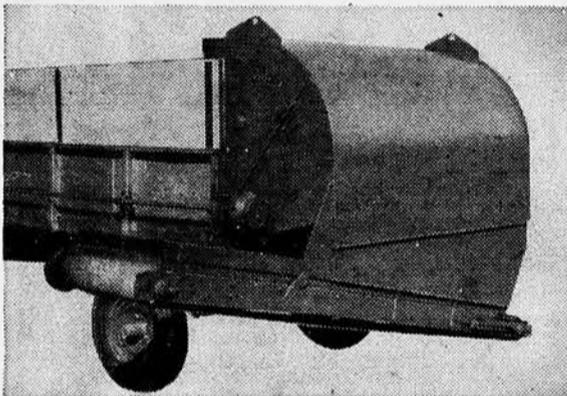
GREATEST SPREADER you ever used! Power driven. Extra high capacity because it's wider than average spreader. Spreader bars are tough channel steel with welded teeth that break up clods and lumps, spread manure over wide area. "Widespread" provides even distribution.



THERE IT GOES! In a few minutes a big 4-ton load can be spread widely, evenly, scientifically. Capacity is equal to 3 or 4 old fashioned spreaders. Works silently. No ratchets to give you trouble. Superior in speed and maneuverability. A one-man operation, too!



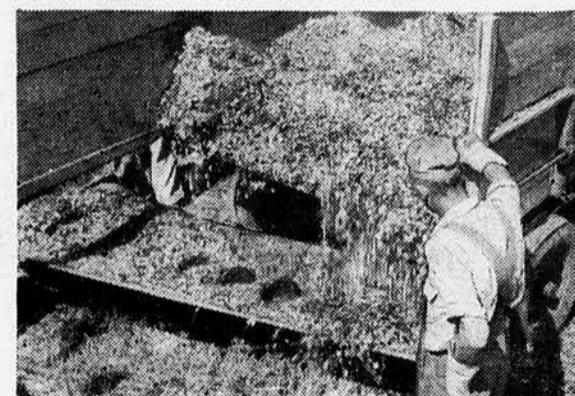
"POWER-BOX" FITS any rig... heavy-duty wagons (including the famous FARMHAND "90" Wagon), trucks or two-wheeled trailers (as pictured here). Wood and aluminum construction of box means acid resistance to manure or other fertilizers. Easy to clean.



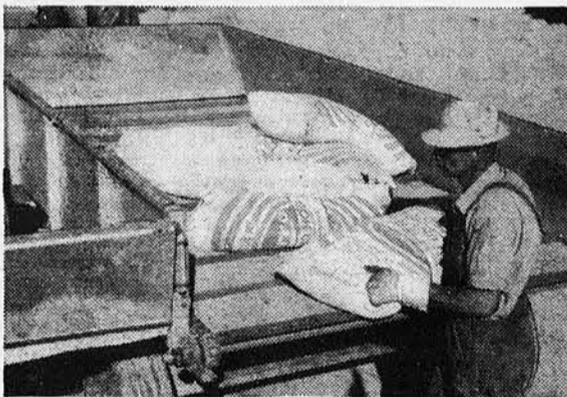
HERE'S THAT MIXER-FEEDER attachment ready for work: rotary drum mixes grains evenly, spreader beaters handle roughage. Mounts on "Power-Box" easily, takes its power from side drive shaft. Designed for high capacity performance... thoroughly tested on western ranches.



AND HERE'S the Feeder attachment in action. Simply haul your load of feed down the line of bunks while "Power-Box" unloading mechanism and Mixer-Feeder do all the work. Adjustable false end-gate lets you mix and feed any amount up to 4 tons. Cuts costs, saves manpower.



FILLING SILOS? Just stand by and watch, with a finger on the control lever. Your "Power-Box" unloads itself continuously, deposits silage into silo filler. This is "Power Farming" the FARMHAND way... a scientific method for getting more work done in less time at less expense.



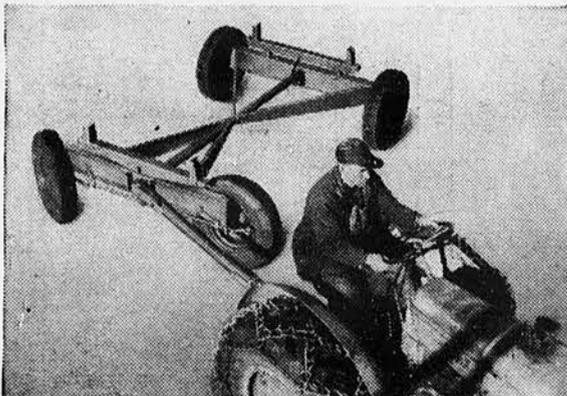
ONE SACK AT A TIME... or a dozen... or a whole load of sacks! The "Power-Box" obligingly backs them off into your hands or onto platform, as you want. Wagon bed conveyor control is located at rear of box where you can operate it easily. Think of the work it saves!



FEEDING HOGS? Now you can unload the exact amount of feed corn exactly where you want it. No more laborious shoveling or straining at heavy loads. Your FARMHAND "Power-Box" makes the job a cinch. You just can't beat it for ease and precision of operation.



NO JOB'S TOO BIG for the "Power-Box" to handle. Fill it with dirt, sand, stumps, trash or any kind of load... your FARMHAND Hydraulic Loader does all the lifting... the "Power-Box" does its own emptying. Could anything be easier... or quicker?



PERFECT TEAM-MATE for your FARMHAND "Power-Box" is this great FARMHAND "90" Wagon that makes full 90° angle turns without backing or slipping. Ruggedly built of heavy steel with a host of innovations no farm wagon ever combined before. See it at your dealer's.

AVAILABLE IN ANY COMBINATION OF PARTS AND ACCESSORIES to fit your needs and your pocketbook!

Your FARMHAND Dealer will accept your order today for a "Power-Box" or "90" Wagon that includes only the basic parts you specify and only the specialized accessories or attachments you need for your farm. Other attachments and parts may be ordered and added at any time, as you require them!



GET THIS FREE BOOKLET ... and all the facts about the FARMHAND "Power-Box" and "90" Wagon.

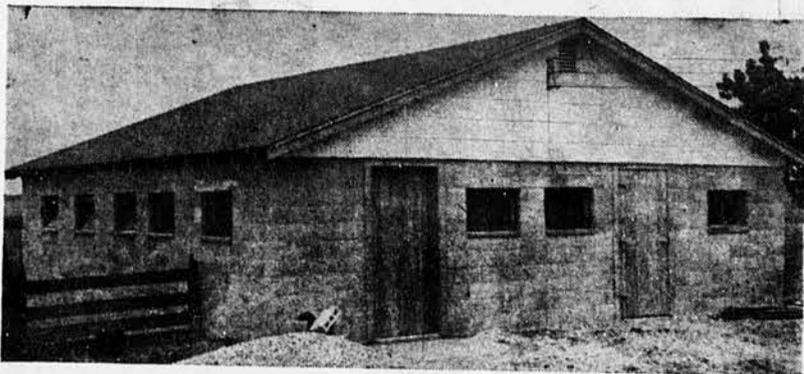
FARMHAND Division
Superior Separator Co., Hopkins, Minn.
I am interested in buying FARMHAND "Power-Box" FARMHAND "90" Wagon FARMHAND Hydraulic Loader. Please send me free booklet describing these products, together with specifications. And please have my nearest FARMHAND Dealer get in touch with me at once.

NAME.....

ADDRESS OR R.F.D. ROUTE.....

TOWN.....STATE.....

New Milk Parlor Earns \$600 a Year



This new grade-A milking parlor on the farm on C. D. Butel and Son, Anthony, Miami county, is increasing income from the herd by one third besides making the job of milking a more pleasant one.

MIGHTY proud of their new grade-A milk parlor are C. D. Butel and Son, Anthony, of Miami county. "I can't believe how much easier it is to do the milking now," says the elder Mr. Butel. "Our old barn was in bad shape, but I didn't realize how bad until we moved into the new parlor. Our cows handle better during milking now, the place is easier to keep clean and we get thru sooner."

But, while the Butels are pleased with the actual improved working conditions, they also are pleased with the increased income. Altho they were milking only 8 cows when their first milk check came thru on the new grade-A basis, the check was for \$50 more than they had been getting. They expect to be milking 12 cows soon. "The new milk parlor will easily increase our income \$600 a year and will soon

pay for itself on that basis alone," Mr. Butel says.

The Butel milkhouse is built on the Kansas State College back-out arrangement with 4 stanchions on each side. But the Butels made one change in the house which they believe is an improvement. They increased both the length and width of the standard barn by 2 feet. By making the parlor wider, the Butels put in a 3-foot alley running from the front of the building directly

back to the milking parlor. This alley fits in between the feed room and the milk room.

"This alley allows us to go direct to the feed room or the milking parlor without going thru the milk room," says Mr. Butel. "The shortcut saves time and keeps a lot of muss out of the milk room as the only one who goes in there is the one actually handling the milk." More and more farmers are going to grade-A production.

Early to Market With Finished Lambs

GETTING his lambs on the market in the shortest possible time and early in the season has proved profitable for George Paul, of Ottawa county. Here is his sheep program.

He handles a ewe flock of 150, most of them westerns, but with some natives mixed in. "I pick my ewes for size and conformation rather than breed," he says. Purebred Shropshire bucks are used. Mr. Paul likes Shrops because they seem to produce well-finished lambs in a short time.

Ewes are bred for late October or early November lambs, and lambs are on the market in about 100 days. Two years ago Mr. Paul had the first lambs on the Kansas City market. This year there were only a handful ahead of his. "I always get the benefit of the

highest market price of the season," he says.

One thing he will not do is market an unfinished lamb. He likes to have them average 85 to 90 pounds at market time. He ships only those that are ready and holds the rest until they are in prime condition.

Ewes are kept on pasture. Three weeks before the bucks are turned in, the ewes are fed 1/2 pound daily of cracked wheat. "Wheat germ oil is a good breeding stimulant," he says. During gestation, ewes are kept on pasture and fed 1 pound of grain daily, a mineral mixture, bone meal, salt with phenothiazine, and silage.

At lambing time ewes are brought into pens for 24 hours. If a ewe has twins she is kept in the pen until her lambs are strong enough to leave. After lambing, ewes are fed up to 2 pounds of grain daily, the grain chosen depending upon price and availability. This feed is continued until the lambs are weaned.

As soon as lambs are out of the pens a creep is used. Lambs get a mixture containing 1/2 oats, 1/4 chop and 1/4 bran, plus a fine quality alfalfa hay.

It is essential to dock and castrate lambs as soon as possible, Mr. Paul believes. His date is when lambs are 2 weeks old. He also shears his ewes early—not later than the last of March—as shorn ewes are more likely to bring their lambs to shelter during storms, and shearing improves milk production.

Pasture is an important part of the Paul program. Native pasture is available at all times, with wheat and Sudan grass used as much as possible. Mr. Paul usually sets some wheat acreage aside to pasture out, then the area is summer-fallowed and seeded back to wheat for harvest. The last time he used this method his wheat crop following made 54 bushels an acre.

Spray Kills Sand Sage

The chemical compound 2,4-D appears to be on the way to making a big place for itself in the wide-open spaces of the range. It kills a large part of the sand sage, one of the most troublesome plants that holds down production of perennial grasses on the range in the Southwest. More than that, the 2,4-D can be applied from an airplane.

A series of test sprayings from an airplane carried on at the Southern Great Plains Field Station at Woodward, Okla., reported at the latest meeting of the American Society of Range Management, show that a pound of 2,4-D to the acre will do the work if it is well distributed. From 3 to 5 gallons of spray are needed to distribute the 2,4-D, depending on the density of the sage. From 1 to 3 gallons of the spray should be made up of distillate, depending on the form of the 2,4-D. The tests which covered about 1,000 acres, boosted grass stands 90 per cent.

Make a note of this

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Arrange for fall Bem Brand NOW

"BRINGS EXTRA MONEY"

Now is the time to feed your crops a regular application of BEM BRAND balanced Fertilizer. Year around feeding is essential to the proper growth and development of all crops, and to the restoring of your soil's fertility. Your BEM BRAND dealer has the right formula for your soil and crops. See him now.

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BEM BRAND FERTILIZER
MANUFACTURED BY THURSTON CHEMICAL CO. JOPLIN - TULSA

MAKE YOUR FARM PAY WITH HELP FROM A. A. A.
Register with your local P.M.A. and see how, in many cases, they can pay nearly half your superphosphates bill when used in approved practices.



"I've been shaving for 2 years. Cut myself BOTH times!"

Now That You Have Electricity

By CHARLES HOWES

THE problem of garbage disposal and hog feeding shows signs of being combined electrically, if the results of an experiment by one farm family can be used. This family has one of these new electric sink disposal units that grinds up all kitchen food refuse and flushes it down the drain.

The singular adaptation, however, involves the simple matter of piping the refuse to the hog trough. Thus the hogs receive a finely ground mash with no carrying problems.

Men in the sales organization of the company which manufactures these disposal units wonder what there is to prevent grain from being ground along with the garbage. "The unit will handle it," they say, "because it can grind bones. So all elements used in hog mash can be ground in the kitchen and piped right to the trough."

It's a neat idea.

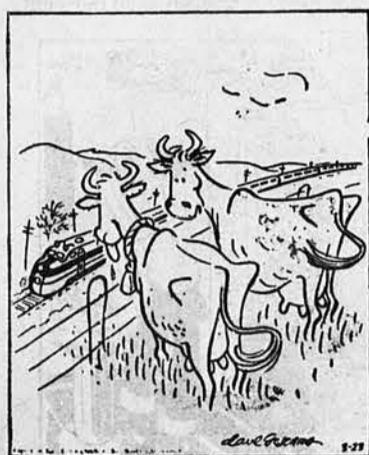
Harvest-time problems of food preparation can be relieved, says a friend of ours, if you have a home freezer, referring to pies, cakes, bread and other pastries. Indeed, a home freezer will enable you to store up a supply of pies and serve them fresh. It is known that some folks have stored pastries for 6 months, even an angel food cake retaining the same texture as it had on the day it was baked.

Of course, there always is the problem of finding room for a home freezer. Some homes are too small to provide adequate space, even in the basement. Manufacturers tell us it is not necessary to have a freezer inside the home. The back porch, laundry house, smokehouse or any other enclosure near to the kitchen is entirely adequate—for it is not necessary to worry about leaving the unit out in the weather the year around. The exterior does not deteriorate, and no effect is noted on the motor installation.

Are you a member of one of these groups which has regular picnics or pot-luck suppers? We noted at a recent meeting in Eastern Kansas the other day that several families apparently had found a solution to bringing hot food to these sociables. There were 4 or 5 of these portable automatic roaster ovens that cook a full meal for a family and keep it hot for 6 or 8 hours. In fact, with such a unit it is possible to cook the meal at home, transport it to the church or Grange building, then plug it in again and heat up the supper. And that only samples the possibilities, especially if your oven space is inadequate for anything more demanding than ordinary family cooking.

The question about why a farmer who works all day in the sun would have need of a sun lamp brought a smart answer the other day. "It's a wonderful relief for aching muscles," was the comment, "and it can be used at times when sunshine is not available." It also was pointed out that rays of a sun lamp can be localized much more effectively than sunshine.

These tank-type vacuum cleaners



"I'm sentimental—I hate to see the cowcatcher go."

are versatile, to say the least. Now comes the information that at least one farm woman is using this implement to spray DDT in her chicken houses. And we heard of a successful endeavor to spray a small herd of cattle with the same material and equipment.

It seems of more importance to owners of small apartments, but there might be some farm use in small tenant-house kitchens or in ranch shacks for the new pint-size "kitchens." One model now on the market contains, in 8 cubic feet of space, no less than a range, oven, sink, refrigerator, drawers and shelves. Another manufacturer puts out a 60-inch kitchen (60x25x84) which includes an electric range, 5 cubic foot refrigerator, 39-inch sink, space for a garbage-disposal unit, and 2 wall-storage cabinets. A one-word description of these certainly would be "compact."

There is something new under the sun in these remote-control systems for making distant light switching as uncomplicated as ordinary wiring. It means that it now is possible to control certain lights or operations from 2 or more points with inexpensive apparatus.

Four items make up a kit: a relay for each location to be controlled; the switches which are about 1/2 the size of conventional switches; a transformer which reduces the current in the switching circuit to 25 volts; and enough of the prefabricated conductors or "cord" to connect the switches, transformer and relays. In an old house, the new lines can be laid in a groove cut into the plaster and covered. So what do you accomplish?

You may control porch, yard or barn lights from inside the house, the garage and the barn. You may control a hall light from convenient points, in bedrooms, beside the stairway. You may control laundry or other equipment from the kitchen or some other location. There are many, many uses depending upon the arrangement of your buildings, your home, and your equipment. The low voltage in the switches removes the danger of shock and the transformer will operate several remote control circuits.

Heard of an electric motor the other day that had been exposed, inoperative, to the weather for 6 years. It was filled with mud, grass and cinders when found and would have been given up in 9 out of 10 cases. However, with the mess cleaned out of the housing and the moisture removed, the motor ran "just like new" and continues to do so. Furthermore, a check of the manufacturer's records show that the motor was produced in 1919. Can you top this?

The Claude Miller family, from Sedgwick county, can be duly proud of their all-electric home. Their use of this power is so complete that the Kansas Electric Companies have selected them to provide subject matter for the big advertisement in this issue of Kansas Farmer. How rapidly is the farm home catching, and even surpassing, the city home in electric comfort and convenience!

A Tested Dam

The registered Jersey cow Lunar Light Madrigal, owned by Kansas State College, Manhattan, is announced by The American Jersey Cattle Club as a "tested dam" having 3 offspring with official production records.

This cow's tested progeny, with all records computed to a 305-day, twice-daily milking mature basis, averaged 7,913 pounds milk, 5.9 per cent test and 467 pounds butterfat. Lunar Light Madrigal has also been given a type rating of "Good Plus" under the type classification program of the club. This is equivalent to a score of 80 per cent or better when compared to the breed's score card allotting 100 points to a perfect animal.

This cow thru her descendants, should do much toward improving production among the dairy cattle of Riley county.

WEED-NO-MORE KILLS WEEDS QUICK



Grower had weeds—got rid of them with Weed-No-More

SAVE CROPS, SAVE LABOR . . . GET BIGGER YIELDS, CLEANER FIELDS

Weed-No-More starts killing the weed the minute it touches a leaf. That's because it is a proven ester formulation of 2,4-D. Rain can come five minutes after spraying is done and the weed-killing action will still go on. Weed-No-More saved crops and boosted yields on more than 5 million acres last summer—it's America's No. 1 weed killer—it will put more crop money in *your* pocket.

LOW-GALLONAGE SPRAYING CUTS COSTS—SAVES TIME

From all over America come reports of successful spraying of corn, wheat and other grains with the miracle Weed-No-More, product of scientific research in The Sherwin-Williams laboratories. Weed-No-More is ideal for use in low-gallonage equipment—and whether you use hand-spray, spray boom on tractors or airplane methods you can cover more acres with less 2,4-D. It's the low-cost, labor-saving way to control weeds.



Demonstration of helicopter spraying of Weed-No-More at Bunker Hill, Ind.

AGRICULTURAL

WEED-NO-MORE

TRADE MARK

A Proven Ester Formulation of 2,4-D



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FREE BULLETINS—FREE MOVIE

For informative bulletins or a showing of the new sound-movie "Agriculture's New Conquest" to your farm group, see your farm supply dealer or write direct to Agricultural Chemical Div., 1262 Midland Bldg., Cleveland 1, O.

STRONGBARN



Granite City's Strongbarn is an amazing new corrugated roofing and siding. Strongbarn is lighter, tougher, cheaper-to-use than roofings manufactured by conventional methods with conventional steels. You can build a better barn with Strongbarn!

SEE YOUR DEALER OR WRITE TO

GRANITE CITY Steel Company

Granite City, Illinois

Note these advantages of Strongbarn roofing and siding:

will stand up under heavier loads than conventional roofing.

is 56% stronger than conventional grades of roofing.

is 21 pounds per square lighter than 26 gauge roofing yet equal in strength.

permits you to place girts and purlins farther apart.

does not dent or bend under blows that would distort other roofing.

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

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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 57 years of experience to assure you of a better silo. Contract now for a McPherson silo for future delivery.

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McPHERSON, KANSAS

THE TWO BEST "HANDS" ON THE RANCH

Whoever gets hold of these two 24-hour workers is going to find first-rate assistants. They know their job—they do their job—keeping livestock and buildings in tip-top shape for healthy animals and greater production. These Niagara "hands" are safe, too. Better plan on getting them to work for you right away.



NIAGARA NIATOX SPRAY and DIP

- (a 50% DDT wettable powder)
- High depositing.
 - Longer proven residue on animals.
 - Safer to animals than DDT solutions.
 - Better residual properties for spraying buildings.

BARN and STOCK SPRAY (a 50% DDT wettable powder) Especially formulated for smaller sprayers without complete agitation.

BHC SPRAY and DIP

- The most effective insecticide available for:
- Lice on all livestock.
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Canadian Associate: NIAGARA BRAND SPRAY CO., LTD., Burlington, Ontario



The Cover Picture

Safe, With a Future in America

LITTLE Sophie Targonski, an 8-year-old Polish refugee from Austria, has found the first real home she has ever known. With her parents, Mr. and Mrs. Gregor Targonski, and her 16-year-old brother, Sigmund, Sophie has come from Austria to live on the farm of Mr. and Mrs. E. H. McVay, of Geary county, Kansas. Another sister, 18, is now living in Colby and an older married sister is still in Austria. She later plans to join her husband in Canada.

The Targonski family is one of millions of displaced families uprooted by the war and shuffled around over Europe. For 12 years the Targonskis moved from place to place in Austria, never knowing what tomorrow would bring. Now, for the first time, they are safe and have a future in America, where they hope to become citizens.

Couldn't Understand One Another

But the road is not an easy one, even yet. Imagine, if you can, the bewildering situation of the Targonskis when they landed on the McVay farm late one evening in early May after a month's trip by boat and train. Not one in the family knew a word of English and the McVays did not know a word of Polish.

Sigmund speaks some German and it is only thru him that anyone in the community can talk to the family. Harold A. Rohrer, of Junction City, who can speak German, met the family at the station and helped them thru the first introductions with the McVays.

Everything on the McVay farm is strange to this Polish family. Neither Mr. Targonski nor Sigmund had ever touched a tractor and they had never seen a milking machine.

"But I never saw anyone learn as rapidly as Sigmund," says Mr. McVay. At the end of 2 days Sigmund was



Sophie Targonski, our cover girl, is a Polish refugee from Austria, who has found her first real home on the farm of Mr. and Mrs. E. H. McVay, Geary county.

driving the tractor on errands around the farm. Almost as soon, he and his father were using the milking machine under supervision of Mr. McVay. "I haven't milked a cow since the second day they arrived," reports Mr. McVay. "They already have learned to put the

(Continued on Page 15)



With her mother, Sophie poses before their new home on the McVay farm. They are very happy in their new location but have much to learn.

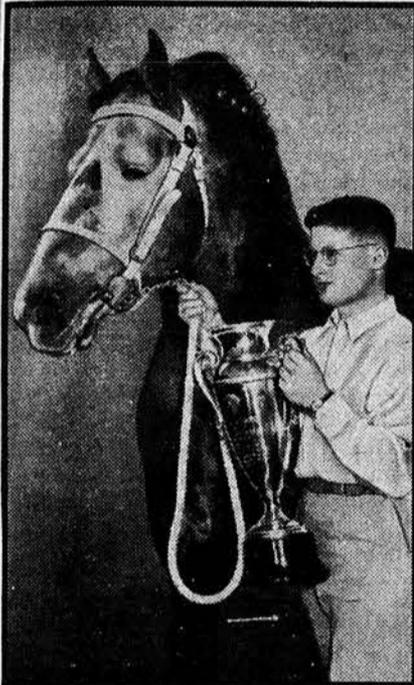


Gregor Targonski, the father, watches as his son, Sigmund, gets ready to fix a fence on the farm. They hope to become dairymen and citizens of the United States.

Wins International Grand Championship

College Engineering Student Shows Prize Stallion

FARMINGTON, MINN.—Henry A. Brandtjen, Jr., showed his father's Percheron stallion, "Top Sergeant", at Chicago's 1948 International Livestock Show. Result? A Grand Championship—climax of four other Grand Champion awards won at Minnesota State Fair and American Royal Livestock Shows! This 20-year-old University of Minnesota engineering student makes good use of his spare time.



Brandtjen and "Top Sergeant"

HENRY covered a lot of ground between shows last year. Exhibited at nine major shows, including two in Canada. Even ate his Wheaties in boxcars while traveling between shows with horse! A husky 5 ft. 9 in., 175 lbs., Henry often eats these nourishing whole wheat flakes for between-meal snacks at shows. At home, eats Wheaties several times a week. Likes them most with raspberries or bananas, and lots of cream. Had your Wheaties today? Flakes of 100% whole wheat. Famous training dish!

* * *

Youngest of the three generation Brandtjen family, Henry says a big bowlful of Wheaties is "A good picker-upper". Likes flavor and convenience of Wheaties, too.

I'LL HAVE WHEATIES!

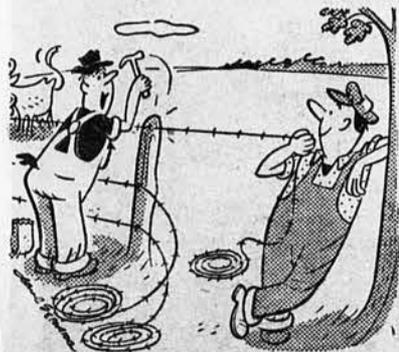


"We've kept plenty in our house since I can remember," says farm champ.

Three generations of Brandtjens enjoy these tasty whole wheat flakes. All generations in your family getting their Wheaties?

Remember — new Extra-Big-Pak of Wheaties holds 50% more than regular package. Ideal size for farm families. Serve "Breakfast of Champions" often.

"Wheaties" and "Breakfast of Champions" are registered trade marks of General Mills.



"I thought I was out of luck, breaking my fence stretchers. Then I remembered how you like Wheaties."

milking machine together by themselves and it is fairly complicated. They will make fine dairymen, altho teaching them to work with machinery in the field will be difficult. I plan to try Sigmund on plowing with the tractor after wheat harvest. After Sigmund learns to use the tractor, perhaps he can teach his father better than I could."

Mrs. Targonski is almost as lost in her new world as the menfolks. All the foods are strange to her, as well as modern conveniences. She had never seen a washing machine and watched with great amusement the first time Mrs. McVay did her washing. Mrs. Targonski does hers with the old-fashioned washboard and a dishpan.

The foods are nearly all strange to her. "She didn't know what a cake of yeast was for and had never seen macaroni," says Mrs. McVay. "I showed her how to bake bread our way and she was very proud of her first attempt. She cut me a slice to show how light it was.

They Eat Sparingly

The whole family is hungry for meat, eggs and milk, things that we have in abundance, but they eat very sparingly yet. Perhaps they can't believe they can eat all they want, or else they have eaten so little for so long it will take time for them to train their systems to take so much food."

One of the major problems the McVays have with the Targonskis is suitable clothes for working on the farm. The Targonski men have no overalls or work gloves and will not allow the McVays to buy them. They do not understand yet that the clothes would not be a gift, but that they could pay for them out of their earnings on the farm. The day we called on them, Mr. Targonski and Sigmund were fixing fences in the best clothes they had.

"They are very proud and want to earn everything they get," says Mrs. McVay, "but we can't figure out just how to let them manage. They don't know anything about our money or how to spend it. If we gave them the money they would not know how to get the things they need and want. Perhaps all that will work out in time but it is difficult now."

All the things the Targonskis own were brought with them in a few suitcases. These belongings, however meager, will be used up before the family will accept anything. Mrs. McVay told about putting a nice tablecloth on the table in the tenant house. When she called on the family at mealtime she found they had carefully covered the cloth with newspapers so it wouldn't be soiled. They also carefully shelved the dishes she gave them and used their own few things.

Worried Without Cause

When the McVays first applied for a displaced European farm hand a year ago they expected to get a man and wife. The reason they did not ask for a family with children is that they have only a small, 2-room tenant house. When they were notified from Colby that the Targonski family was being sent to them they worried about 4 persons being squeezed into that small house. They worried without cause, as it turned out. The Targonski family was overwhelmed with such good fortune. In Austria and Poland, they explained thru Mr. Rohrer, as many as 4 families lived in such a small house. Here, they would have it all to themselves.

And the McVays are happy the Targonskis have children because thru the children, the re-education program will be much quicker. Mrs. McVay already has fallen in love with shy little Sophie. This summer she will teach her as much English as possible so she can start to country school next fall. The possibility of getting Sophie into a school was the first concern of the Polish family when it arrived. Sophie, altho 8 years old, will have to start in the first grade and learn all over again. The McVays do not know whether she had any schooling in Austria. "But she is extremely bright and will learn very rapidly," says Mr. McVay. "The entire family is highly intelligent and will make good here."

The Church Helped

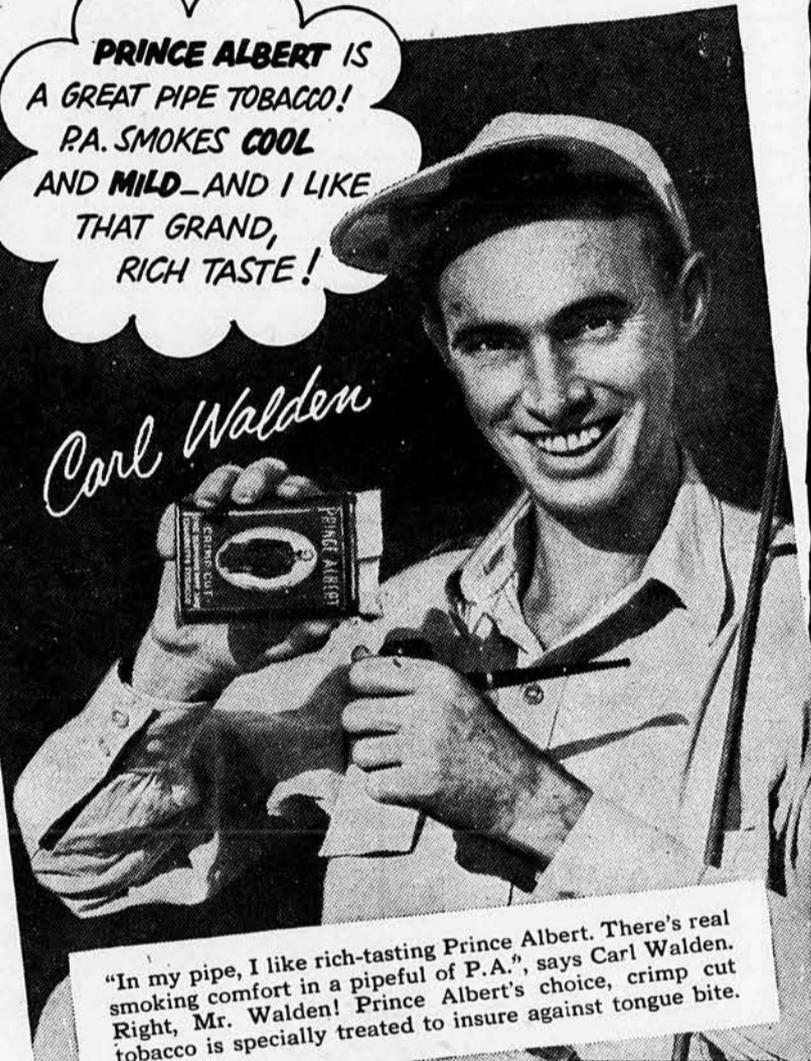
Arrangements for getting the Targonskis to America were handled by the Catholic church, and specifically by the Reverend Edmond Arpin, Catholic priest in Colby. Another Polish family came with the Targonskis and have been placed on the farm of Morris Dowell, near Dwight.

"It's no wonder Prince Albert is called the National Joy Smoke,"

says Carl Walden

PRINCE ALBERT IS A GREAT PIPE TOBACCO! P.A. SMOKES COOL AND MILD—AND I LIKE THAT GRAND, RICH TASTE!

Carl Walden



"In my pipe, I like rich-tasting Prince Albert. There's real smoking comfort in a pipeful of P.A.," says Carl Walden. Right, Mr. Walden! Prince Albert's choice, crimp cut tobacco is specially treated to insure against tongue bite.

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

More Men Smoke

Prince Albert

than any other tobacco

THE NEW HUMIDOR TOP LOCKS IN THE FRESHNESS AND FLAVOR



TUNE IN "Grand O'ery", Saturday Nights on NBC

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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-ft. leads, insulated electrode holder, ground clamp, hood. Write for New Folder; see your dealer. FARM POWER MFG. CO. Columbia, So. Dak.

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We Honor ★ ★ ★ ★ ★

Five Master Farm Homemakers

By Florence McKinney

FOR outstanding work in their homes and communities, Kansas Farmer honors five Master Farm Homemakers, the class of 1949. With the exception of a few years, rural homemakers have been honored every year since 1928. Today we have a total of 52. It is with a great deal of pleasure that we present these farm homemakers to our readers: Mrs. Verne W. Alden, Franklin county; Mrs. Louis C. Buchman, Chase county; Mrs. Fred Paulsen, Stafford county; Mrs. John W. Ramsey, Cheyenne county, and Mrs. Karl Seifert, Marion county.

The award is made in recognition of the individual woman's skill and intelligence in managing a successful farm home; her maintenance of healthy and happy human relationships among all members of her family; her broad vision as a community worker; and in recognition of the contribution which her individual efforts have made in building a more satisfying rural life in her community.

On the evening of June 6, these women were the special guests of honor of Kansas Farmer

at a banquet in Manhattan for all the Master Farm Homemakers of other years and Kansas State College faculty women. On June 7, they were presented on the air over radio station KSAC.

Now let us get acquainted with these 5 new Master Farm Homemakers.

A few miles from Wellsville, in Franklin county, is the attractive farmstead of Mr. and Mrs. Verne Alden. Here they live with their young son, John. The Alden home has been remodeled to fit the needs of the family. It is tastefully furnished and convenient. The grounds are neat, the lawn smooth and green. Over this home presides Mrs. Alden, a homemaker of intelligence, an outstanding worker for a better community and state. Right now she is president of the Kansas Home Demonstration Council. She says this has brought her new responsibilities and experiences that have taken a great deal of time, but more than that, she has learned many things and thinks she will be a better person for it.

Mrs. Alden has served on 2 textbook commit-

tees for the State Board of Education helping to select good textbooks for Kansas young folks. She has done some writing, too, for the local newspaper, has organized a home demonstration unit and a 4-H Club, and in 1949 organized the Franklin county UNESCO. She has for years given her co-operation to the home demonstration agents in her county, this year is serving on the State 4-H committee and is a member of the legislative committee of the Kansas Council for Women. The American Association of University Women and the church have profited from Mrs. Alden's interest and co-operation. She is interested in the legislative programs both in Congress and the Kansas legislature. She not only is interested but takes an active part in promoting legislation which will make for better homes and farms.

Down in the Bluestem Hills of Kansas, in Chase county, live Mr. and Mrs. Louis C. Buchman and their family. There are 3 young folks in the Buchman family, Louise, who is now a senior in the Elmdale high school, and plans to attend college next [Continued on Page 17]



Mrs. Karl Seifert, Marion county.

Ode to Today

Dreams filter life through a gossamer veil
While tripping lightly the easy trail,
And memories touch life with a kindly hand
That minimizes the rocks in the sand.

Now dreams are lovely with their misty view
And memories with delight the days
imbue,

But for sheer fun give me today
Though I often must travel a hilly way.

Today with the joy of undimmed eyes
With a problem for depth and a chal-
lenge for size.

I'll play a bit with my memories and dreams
But do my dealing in mundane schemes.

—By Elva Buskirk Dreibelbis



Mrs. Louis C. Buchman, Chase county.



Mrs. Fred Paulsen, Stafford county.



Mrs. John W. Ramsey, Cheyenne county.



Mrs. Verne Alden, Franklin county.

year; Burton, 16, and Jo Ann, 12, both of whom attend the Elmdale schools, and all of whom are active in 4-H Club work.

Mrs. Buchman feels the world was never more in need of good citizens and good leaders than at present, and that as a homemaker she has her part to do, not only within the walls of her home but in the world outside.

Both she and her husband are interested in consolidation of small rural schools and have taken an active part in the program. She has served as president of the community club, is now president of her church society, has been secretary and reporter of her home demonstration unit and a member of advisory board of the county Farm Bureau.

The Buchmans live in a large house set among the hills, a house that has been remodeled to suit the family members. It is modern and efficient and well equipped. They have provided for pleasant leisure time for all . . . tennis, croquet, picnics, dancing . . . all at the home. Music has an important part in their home life. Mrs. Buchman with others is interested in a movement in their county investigating the possibilities of building a hospital.

Stafford County Homemaker

Next we go to Stafford county. Near Zenith live Mr. and Mrs. Fred Paulsen on a general farm, wheat, beef cattle, sheep and alfalfa. The Paulsens have 4 children, Rex who now lives at Scott City; Lee, recently married; Dale and Kathleen at home. Since their marriage they have lived on their present farm, going there at the time Mrs. Paulsen graduated from Kansas State College.

Around the attractive home is a well-kept lawn, shade trees, a well-kept fence and flowers. Mrs. Paulsen kept 2 gold-star account books as a member of the southern association which showed that more than 50 per cent of the living was produced on the farm. She cans, feeds silo men, raises chickens. But her activities do not end there. She expressed her interest well when she said that everything that takes place in the community affects each child in his morals, manners and attitudes. For that reason it behooved her to consider the welfare of all to protect her own. That's a far-sighted point of view which if adopted by all of us would make that "better world."

She has served as president of her home demonstration unit, of the PTA and her missionary society. She teaches a Sunday school class, has been a member of the advisory board of her county Farm Bureau. She is interested in better schools and better hospital service. Both she and Mr. Paulsen feel they owe a debt to the community and church for the part they have played in character building.

Kathleen, her 14-year-old daughter, can cook and play the piano equally well. Her sons also are interested in music. It is easy to see that this is a happy family.

Cheyenne county's contribution to the list of Master Farm Homemakers is Mrs. John W. Ramsey. Northeast of St. Francis, up near the Nebraska line, the Ramseys live in a modern farm home set among trees, and trees are not too easy to grow in Cheyenne county. Near-by in a smaller, new, white house

their daughter, Roberta Graves, makes her home with her husband and their 2 small children.

Mrs. Ramsey keeps a fine home but its walls do not confine her. She enjoys her neighbors. She says that 70 people came to a surprise breakfast to help Mr. Ramsey and herself celebrate their 25th wedding anniversary. That's the way Western Kansas people have fun.

She's proud of a Sunday school class she taught for 15 years. She thinks she's held virtually every office in the Sunday school and church and her home demonstration unit. She served for 10 years as home and community chairman, was president of the Kansas Day convention, president of the Woman's Club. Before the war there was a chorus organized in their community and Mrs. Ramsey was a member. Many picnics are held in the Ramseys' shady back yard.

Music in Home

Music plays a part in her life, in fact the Ramseys would be lost without it. Mrs. Ramsey and her daughter sing for special occasions. She loves flowers and grows them not only for herself but for friends. She says her family pokes a little fun at her for taking a bouquet everywhere she goes. At one time her goal for her community was a movie projector in the belief that country young folks far from town would appreciate it, and it would sell a good many ideas as well as entertain. The family does everything together whether it's sports or PTA, everyone from grandmother to the baby.

We move back to Central Kansas to Marion county to honor the fifth Master Farm Homemaker, Mrs. Karl Seifert who lives 2 1/2 miles southwest of the town of Marion. She and Mr. Seifert live in a modern, attractive home with a smooth, green lawn, broad shade trees, well-fenced and well-cared-for. They have 2 children, their son, Leland, who farms near-by, and daughter, Helen, who is now Mrs. Robbs, of Kansas City.

Mrs. Seifert is one of those good country cooks who loves to and does turn out delicious food every day. She cans, bakes, even makes wedding cakes when asked. Mrs. Seifert is the one who said, "Home is a dwelling place, the foundation is love, where children are born and reared, where joys and sorrows are shared, where friends and loved ones gather. After the building has crumbled and father and mother are no more among the living, happy memories linger in the hearts of the children."

Mrs. Seifert, too, takes part in making her community a better and happier place to live. Homemaking is of great interest to her but it's homemaking in the broad sense. She sees still, a great need for people in any community to get better acquainted, learn each other's needs, to share and cooperate.

She has been a Sunday school teacher, an officer in the missionary society, president of the advisory council for women of the county Farm Bureau and president of her home demonstration unit. She collects poetry and raises flowers for hobbies. The community organizations keep her in touch with interesting people, they give her an opportunity to make a contribution to its welfare.

News to You

If when removing elastic in a garment, the end of the new elastic is pinned to the old, the worn elastic can be pulled out as the new is pulled in.

Men's hats may be protected from perspiration by turning down the sweatband and inserting a strip of cellophane all around the crown.

Pieces of felt cut from old, discarded hats may be glued to the bottom of vases, lamps and the like. They make excellent table protectors.

Have you tried raw cauliflower dipped in cream cheese? It's a delightful way to use a raw vegetable in the daily meals.

To remove the lacquer finish used on some new cast-iron utensils, boil a solution of salt and water in them. Scrub with soapy water, rinse well and dry. Season the utensil by rubbing with cooking oil or unsalted fat. Warm in a low oven until the iron pores absorb the grease and become water resistant. Cool the utensil, then wash, rinse and dry once more.

If you like biscuits browned and crusty on the sides as well as on top, place them one or 2 inches apart on the biscuit sheet. For soft-sided biscuits, place them so their edges touch.

Fortunately most inks nowadays are washable. A good sudsing in warm water and soap is all that is necessary to remove ink stains from clothing. Vinegar or lemon juice will help if they are especially stubborn.

Chocolate is the only candy that stains clothing. After washing the garment in lukewarm water; use hydrogen peroxide to remove the balance of the stain.

Never cover a roast, and don't add water unless it's really necessary. Place the roast fat-side up in the roasting pan or rack. In that way, the roast bastes itself.

It's not necessary to grease a baking sheet when baking biscuits. The dough contains enough shortening to do its own greasing as it goes along.

Good together—for luncheon

Tomato Pie

RECIPE: Split English muffins. Spread each half with highly seasoned tomato paste, sprinkle with minced onion, top with slice of cheese and crown with anchovies. Place under broiler about 5 minutes until cheese melts. (Bread toasted on one side can be substituted for muffins. Spread the untoasted side.)

Tempting Coffee

Want your coffee to make you famous? Then serve fresh, fragrant Hills Bros. Coffee. This fine coffee is blended from the pick of the world's coffee crop. "Controlled Roasting," an exclusive Hills Bros. process, that roasts the blend a little at a time—continuously—insures even roasting of every coffee bean for uniformity in aroma, flavor and strength. Hills Bros. Coffee is vacuum-packed to treasure its fragrant freshness.

2 GRINDS

✓ Regular Grind
✓ Drip and Glass-Maker Grind



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The Big White Bar Goes Twice As Far

Read the Ads in This Issue

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

You Can Buy Advertised Products With Confidence!

WORDS TO THE WIVES

FOR WOMEN (WHO BAKE AT HOME) ONLY



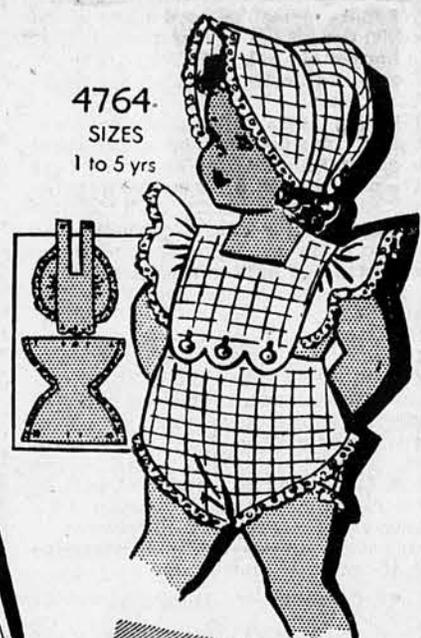
SAY!—Buy 3 packages at a time. Keep it handy. Stays full strength—ready to use at a moment's notice.

3 times as many women prefer **FLEISCHMANN'S YEAST**

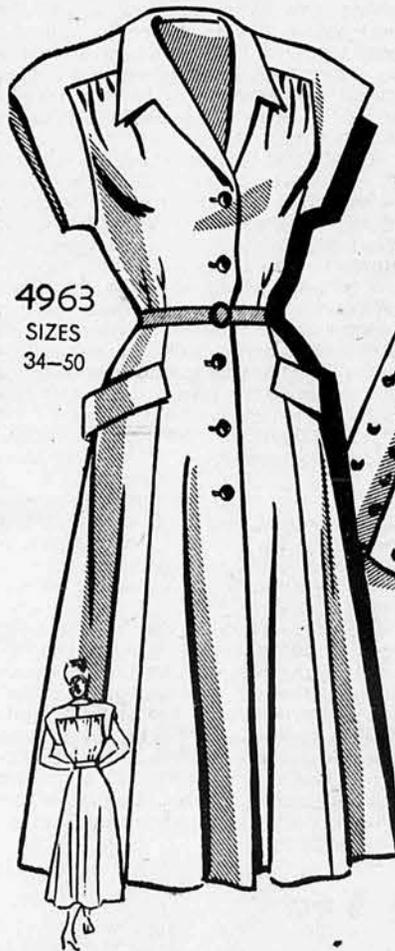
Patterned for Sunshine



4548
SIZES 12-20



4764
SIZES 1 to 5 yrs



4963
SIZES 34-50



4596
SIZES 12-20, 40



9293
SIZES 11-17

4548—Jiffy frock. Quick to sew, don and iron. The buttons are a clever, new device. Sizes 12 to 20. Size 16 requires 4 yards of 35-inch material.

4764—Dainty wrap-and-buttoner with a matching bonnet. Sizes 1, 2, 3, 4, 5 years. Size 2 playsuit requires 1 1/4 yards; 1/2 yard contrast; bonnet, 3/8 yard of 35-inch material.

4596—Cool sunrock and bolero outfit. Sew-easy. Sizes 12 to 20 and size 40. Size 16 requires 3 yards of 35-inch material.

9293—Feminine flattery a princess button-front frock. Has scalloped shoulders. Sizes 11 to 17. Size 13 requires 3 yards; 3/4 yard contrasting 35-inch material.

4963—Tailored casual with good slenderizing lines. Sizes 34 to 50. Size 36 requires 4 3/8 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.

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

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"NO MORE SLEEPLESS NIGHTS"

"I feel so much better since I no longer have to dread those awful sleepless nights! My 'insomnia' turned out to be due to caffeine in the coffee I drank. So I switched to POSTUM and now I get 8 hours of restful sleep every night."



Are sleepless nights, due to "coffee nerves", interfering with your good health? . . . Do you wake up in the morning, feeling tired and logy? . . . Then, try a switch to 100% caffeine-free POSTUM. See if you don't enjoy good, natural sleep that makes you feel better and enjoy life more.

SCIENTIFIC FACTS: Both coffee and tea contain caffeine. And caffeine is a drug that acts upon the brain and central nervous system. Also—in susceptible persons—caffeine tends to produce harmful stomach acidity. So, while many people can drink coffee or tea without ill-effect, others suffer nervousness, indigestion, sleeplessness. But POSTUM contains no caffeine or other drug—nothing that can possibly keep you awake!

MAKE THIS TEST: Give up coffee—give up tea—drink POSTUM exclusively for 30 days—and judge by results! Ask your grocer today for INSTANT POSTUM—A Vigorous Drink made from Healthful Wheat and Bran—100% caffeine-free! POSTUM is a Product of General Foods.

Books On Review

Gardens in Color

This lavish book tells how you may produce each garden on your own soil, what year-around plans you must make, and just what to do each month to create your own magical landscape. There are chapters on wire gardens, jungle gardens, a spring garden, gardens without flowers, four-season window gardens, picasso gardens and indoor gardens.

There are many pictures of gardens in color. "Gardens in Color," by Richard Pratt, is published by the Garden City Publishing Company, Inc., Garden City, N. Y. Price \$5.

Basketry and Related Arts

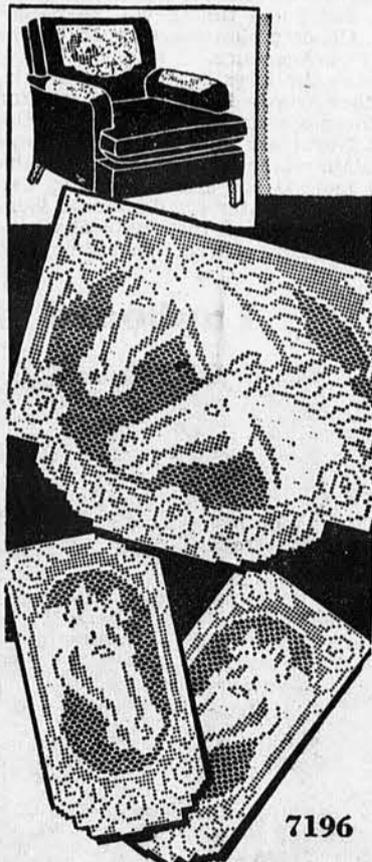
Written by an expert craftsman and teacher, this book is an authority on the subject of basketmaking, cane weaving, raffia and Hong Kong grass work. There are numerous pictures and drawings thruout to illustrate every step in all the processes. General directions are given for the preparation of reed for weaving with all the soaking, cutting, shaping, and weaving processes given in detail.

It includes the making of not only baskets but shopping bags, luncheon mats, hassocks, benches and chair seats. "Basketry and Related Arts" by Martha L. Lee is published by the D. Van Nostrand Publishing Company, Incorporated, New York City. Price \$2.75.

For Parents

Many pamphlets and books have been written about the infant and preschool child, and rightly so. But few articles and books have been devoted to the school-age child. A recent publication, "Your Child from 6 to 12," is now available. It will answer questions of parents who have children in this age range. Some of the subjects discussed in the book are: "What 6-to-12-year-olds are like," "What play means in the life of the child," "Everyday problems," "Children and money," "The sick child." For a copy of this new book, please address Farm Service Editor, Kansas Farmer, Topeka, and enclose 20 cents to cover cost.

Chair Decoration



For the horse lover we present chair decorations. Easy to make from the simple filet-crochet charts. Easy crochet pattern 7196 gives charts and directions.

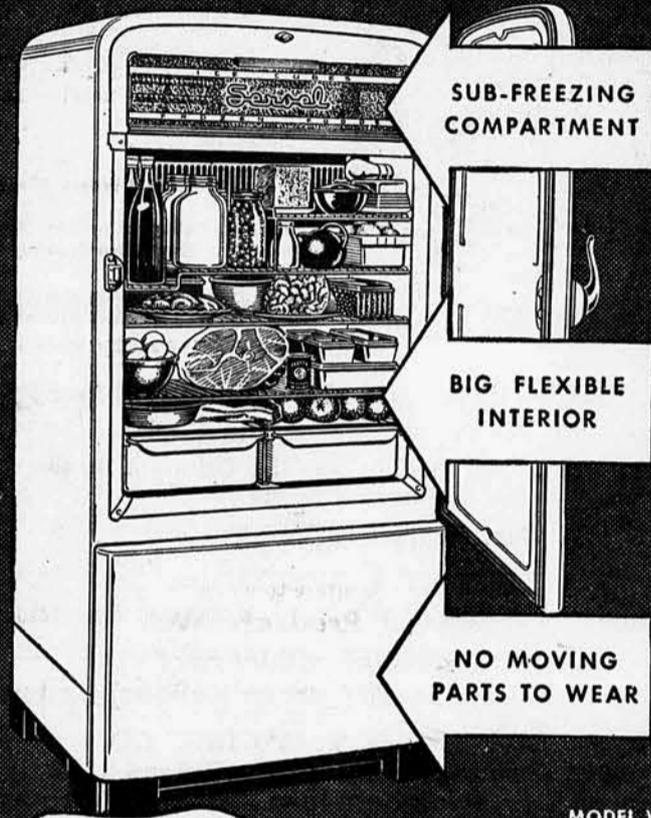
Send 20 cents for pattern to the Needlework Editor, Kansas Farmer, Topeka. Fifteen cents more for the Needlework Catalog with a free pattern printed in the catalog.

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MODEL W-803A

YOU DON'T NEED ELECTRICITY!



AND THE NEW SERVEL COSTS ONLY A FEW CENTS A DAY TO RUN

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.

Available at your Phillips 66 Dealer's



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"Summer Discount" Special



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Yes, 15% off the price of any floor furnace bought and installed during this sale! We're offering this, to make it worth your while to install now and help us ease our Fall rush of business. Do it now!—save money and get:

1. Automatic Heat.
2. Clean Heat.
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Write Dept. 14 for information

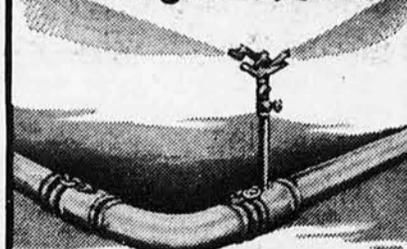
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Fireworks

Bigger and better assortments for your 4th of July celebration. 36 packs Chinese firecrackers, 100 2 in. salutes, 12 repeating bombs, 4 boxes sparklers, 2 boxes snakes, roman candles, fountains, cones, flower pot and many, many other items. Plenty for an all day frolic of fun. Yours for only \$4.95. Smaller assortment \$2.95. You save 60% of retail price. Shipped by express only. Not mailable. Send money order or check now, you'll want more. Big Ben Fireworks, Box 364, Sioux Falls, S. D.

Beat Summer Drought NOW!



FLEX-O-SEAL PRESSURE TIGHT PORTABLE IRRIGATION PIPE

Don't wait until your crops are burning up to buy FLEX-O-SEAL Irrigation Pipe. Do it NOW - and be ready to supply water where and when it is needed. A patented flexible coupling makes it adaptable to level or rolling ground. Available in Aluminum or Galvanized 3, 4, 6 or 8-inch diameters. Write for FREE folder and name of nearest dealer.

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FLEX-O-SEAL

Planned Ideal Mixing Center



Betty Krehbiel, McPherson, shows mixing center in kitchen of Ellen Richards Lodge on campus, Kansas State College. Note adjustable shelves above, divided drawers and sliding drawers below. All supplies and equipment for mixing are stored in this unit.

Treat Piano Right

Don't regard your piano as "just another piece of furniture," and treat it accordingly. On the contrary it's a fine instrument and deserves fine care. One of the first considerations is the location. Place it against a wall away from windows and doors, because sudden changes in temperature and dampness injure both tone and finish. Place it away from a radiator or register because heat may dry and split the sounding board.

Musicians consider that every piano should be tuned at least twice a year, in May and October. If it is used a great deal, additional tuning will be necessary. Concert pianos are tuned before every performance.

Leave the keys exposed to the air, in other words leave the lid up, for darkness speeds the yellowing of the keys. Never use soap to wash the keys . . . plain water and a soft cloth is the ideal method for cleaning them. Use only a little water for dampness loosens the ivory from the key blocks.

A jardiniere of water should be kept

either in the piano or underneath at all times during the artificial heat season. For an upright style place the jar of water inside at the bottom back of the pedals. For a grand piano place the jardiniere of water out in the open just back of the pedals. Dry heat causes a piano to get out of tune.

Moving a piano from one side of the room to another will necessitate tuning. As for the cleaning and polishing of the wood, follow the advice of the manufacturer, for different woods and finishes differ in treatment.

Tomorrow's Dawn

Oh, let me meet tomorrow's dawn
With eagerness and strength of will,
With knowing heart and patient feet
For weary paths that lead uphill.

Oh, let me take my work in stride
Nor falter when the going's rough,
And stay alert for joyful things
And flash a smile for counter-buff.

—By Mary Holman Grimes

Lapboard Saves Energy



Carolyn Hinds, Hutchinson, uses lapboard in the new Ula Dow Cottage, home management house on the campus at Kansas State College. Open shelves are featured to illustrate storage possibilities in low-income house.



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I.P.C. complete protection

LIGHTNING may be just one flash away—may cause you to lose livestock, treasured possessions—even your family! For this year lightning will destroy many millions of dollars worth of property in the U. S.—kill or injure 1,800 persons living in rural areas. But you can be safe—can get complete, economical protection against lightning . . . modern I.P.C. improved lightning rods installed at low cost by trained men. Some dealerships open.

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Send I.P.C. booklet giving scientific facts re lightning, and check chart for farm bldgs.
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Thoughts TO LIVE BY

Sharing

ONE of the best parables of modern times pertains to a man who had two dreams. The first night, he dreamed that he went to hell. When he arrived in the lower regions, he received the surprise of his life. No one was suffering in a fiery furnace. The people weren't even sweating.

What he saw was a huge banquet hall with a large dining table in the middle of the room. The table was heavily laden with all the delicious food one could desire. There were cocktails, fruit and shrimp. Soups and consommés were also available.

For the main course, what a selection! Roast turkey, T-bone steaks, sugar-cured ham and venison were surrounded by mashed, baked, and sweet potatoes. Next the eye fell upon peas, beans and beets. Beyond them one could see cauliflower, corn and carrots. And for good measure there were creamed onions and artichokes. Salads were just as numerous—cabbage, tomato, and jello with diced fruit. Beside the fancy rolls stood a dish of strawberry preserves.

The desserts were out of this world—pies and cakes of various kinds, puddings with hard sauce, and ice cream of many flavors. There were also candies and nuts. And for beverages, there were milk, coffee and tea.

Sitting at this table were the leanest, saddest and most frustrated people the dreamer had ever seen. Every man had a long-handled spoon taped to his arm in such a way that he could not bend his elbow. Try as he would, he could not get the food to

his mouth. In the presence of this delicious food, these people were starving. Such were the horrors of hell.

The next night he dreamed that he went to heaven. To his amazement, the setting was the same as in his former dream. There in the middle of the banquet hall was the table burdened with succulent and savory foods. All of the palatable things mentioned before were there in abundance—cocktails, soups, main courses with vegetables and salads, desserts and beverages. Here, too, the people all wore long-handled spoons taped to their arms in such a manner that they could not bend their elbows. But these people were jolly and appeared well fed. They were different from the people in the former dream in this respect: they didn't try to get the food to their own mouths. Every man fed the person across the table from him. And that made heaven a place of happiness.

Selfishness makes hell and sharing makes heaven even in the present life. Who is the lovable person—the selfish or the unselfish one? Selfishness offers security, but it delivers grief. Sharing offers poverty, but it delivers joy.

When two horses stand in the pasture, they share their natural resources. Facing in opposite directions, each one uses his tail to swish the flies off the other's nose. Imagine how uncomfortable selfishness could make them. Each one could refuse to swish his tail until the other one did it first. But, fortunately, horses know the comfort of sharing. Good old "horse sense"!

—Larry Schwarz

Getting Ready For Hereford Herd

A SOUND livestock program is impossible in his area without a pasture insurance program, says A. E. Kramer, of Stevens county.

Two years ago Mr. Kramer started his insurance program by reseeding 900 acres of raw land to pasture. He did this by seeding the acreage with 5 pounds of blue grama and ¼ pound of sand love grass an acre, using a spreader behind a disk in a trashy seedbed.

"This land had been lying idle for some time," Mr. Kramer explains, "and was just beginning to come back to grass when I did the reseeding." He has one observation to make on reseeding. It is this. "Grass seed will germinate over a 3-year period, so don't get discouraged at the end of the first year."

Cost of the reseeding was \$2.35 an acre for the seed. Labor and equipment were figured at \$1 an acre. Seeding was done about April 1.

The reason for this pasture program was that Mr. Kramer plans to build

up a herd of purebred Herefords. He knew he would need grass—and good grass—to insure permanency of the herd. "I have watched a lot of herds build up in this area, only to be sacrificed because of lack of pasture and feed," he says.

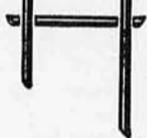
Altho his reseeded pasture will help, Mr. Kramer knows he will need more than native grass. He will use Balbo rye and Sudan grass for temporary pastures. "Balbo rye planted in August is better than wheat on our sandy land," he explains. "It gets a much quicker early growth. We list all our Sudan rather than drill it. You can't pasture listed Sudan as soon, but once you get on it the cattle can stay until frost. We have found that drilled Sudan, once eaten down, will not recover. Listed Sudan will recover after every rain. We don't turn the cattle on until Sudan is knee-high.

"Younger plants in drilled fields will wilt when the weather is hot, and we believe that is what causes most of the poisoning. We haven't had any poisoning trouble under our program of listing and holding off the cattle until the plants are knee-high."

Another point Mr. Kramer hopes to stress in his cattle program is a big reserve of silage. "No other crop is so certain in this area as the sorghum crop," he explains, "yet we do have failures. We plan to use plenty of trench silos and store up huge reserves during the good years so we won't have to liquidate our herd in bad years."

Milk for Spots

To clean black spots on brown shoes soak cloth or sponge in milk and rub until spots come off.—E. Smith.



ARVEST WITH HI-V-I

It's a secure feeling to know that your valuable harvest machinery is lubricated with HI-V-I, the oil that stands up at the most scorching summer temperatures! The swift, thorough lubrication action of HI-V-I gives close-fitting, moving parts complete protection from friction.

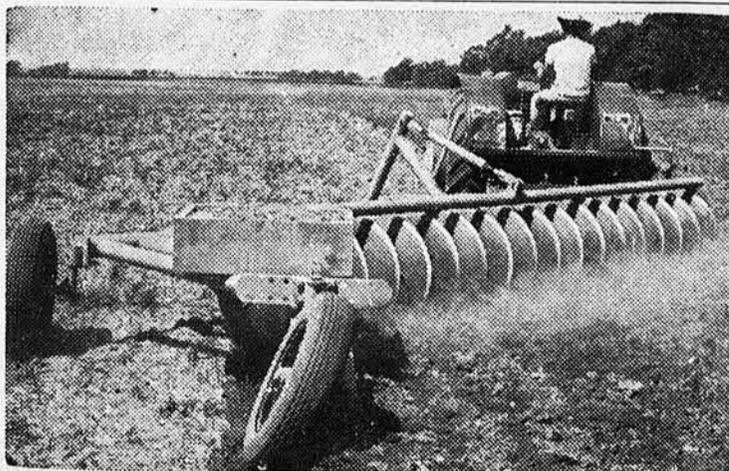
Eliminate breakdowns and repairs during harvest with HI-V-I lubrication . . . it reduces carbon, gum and sludge formation . . . operating costs are lower . . . performance is greater . . . it cleans as it lubricates!

For a more profitable, carefree harvest season, lubricate machinery with HI-V-I, the twin-action oil.

HI-V-I is refined in one large modern refinery devoted exclusively to the processing of HI-V-I. Refined from premium Mid-Continent Crude, HI-V-I is free of sludge-forming elements.



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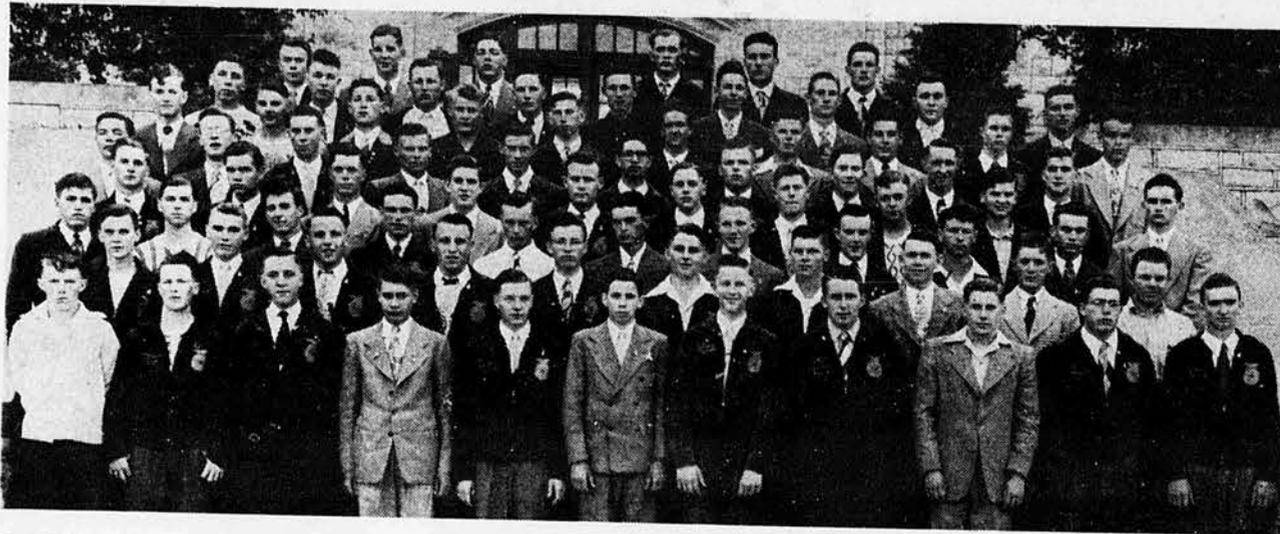
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THE SCHAFFER PLOW, Inc.

PRATT, KANSAS

Stock-Share Lease

Since many readers are inquiring about farm leases, we are glad to have the privilege of offering Kansas State College Experiment Station Circular No. 252—The Stock-Share Lease. All phases of a stock-share lease are described, the information is authentic and written so as to be easily understood. For a free copy of this publication, please address Farm Service Editor, Kansas Farmer, Topeka.

Meet New State Farmer Class of 1949



MEMBERS of the 1949 class of State Farmers announced at the 26th annual FFA banquet at Kansas State College in May are, from left to right: Row 1—Bill L. Hays, Robert D. Burton, Adelbert B. Stewart, Harold E. Elliott, Elmer L. Kern, Lewis A. Muir, Raymond Sis, Galen Morley, Bob Crawford, L. Nile Vose, Erle Muir. Row 2—Earnest W. Williams, Curtis Minter, Herald L. Scheetz, Gerald L. Scheetz, J. E. Zimmerman, Alfred L. Schuetz, Dale E. Ellison, Lyle E. Lagasse, Curtis Lohrding, Hubert Deyoe. Row 3—John C. Heins, Marion Paul Hinshaw, Jim LeRoi Sanford, D. Wayne Zimmerman, Alvin Kindsvater, Bennie Stroup, Richard Schutze, Samuel J. Hundley, Jerry Jamison, Robert Grewell. Row 4—Earl R. Bullock, Max H. Zahner, Robert E. Schaake, Donald A. Butel, Kenneth D. Buller, John Unruh, Wendell Hiens, Kermit Adelgren, Vern Heilman, Vernon Pauls. Row 5—Alvin O. Wendland Jr., Gordon Fishburn, Marvin F. Yarrow, Dwane Schaake, Ronald R. Westfall, James R. Nuttle, Leland Jay Roush, James Eaton, Ruben M. Bauck, Joe Unger. Row 6—Samuel C. Baier, Louis J. Overmiller, Loy S. Mitchell, Roy Dean Cooley, George W. Meyer, Laddie Merryfield, Richard P. Jostes, Darrell Treaster, Merlin Anderson, Phil P. Pratt. Row 7—Leo C. Peters, Arthur Daryl Apley, Burdell R. Nolte, Billy Bert Jessee, Kenneth L. Gearhiser, Lee D. Preston, Robert Beckman, Bud Hanzlick, Glenn Reichart. Row 8—Robert E. Frain, Leon H. Shannon, Russell Koci, Victor C. Hardin, Forrest G. Butts, Robert E. Carter.

To Save Your Tomatoes

By WILLIAM G. AMSTEIN

Kansas State College Extension Horticulturist

LATELY I have been asked to look at many tomato plants showing up with virus diseases on them. Symptoms of virus diseases on the tomato leaves show as various types of mottling, light color, curling, narrowing or distortion. These diseases reduce the amount and quality of the fruits. They may stunt the plant so severely that only a few useful fruits will be produced. Tomato plants sprayed with the same equipment in which weed killers such as 2-4,D have been used and not cleaned out, can develop somewhat similar appearing foliage. Likewise the drift or fumes from a nearby area sprayed with 2-4,D will give the same appearance.

Tomato mosaic (this virus also causes common mosaic of tobacco) also affects peppers, eggplants, petunias and a large number of plants in this family and some other families. Ordinary mosaic causes a light and dark green mottling of the tomato foliage along with some curling and narrowing of the leaves. At times, tomato mosaic may not always reduce the yield and quality of the fruits.

Mosaic Lives on Weeds

Tomato mosaic can live over on certain perennial weeds such as horse nettle and ground cherry. Then these weed plants can serve as sources of infection since aphids feeding on them can then carry this mosaic to your tomato plants. Greenhouse tomato plants may serve to infect seedling tomato plants that are started in or near this greenhouse area. People handling tomato plants carry this mosaic from the old to the young plants.

Control of tomato mosaic must be based on protecting seedlings from picking up this disease. After the dis-

ease establishes in the planting, there is very little that can be done to prevent its spread during the growing of the crop.

The following practices will help keep down sources of infections, especially early in the season:

1. Avoid unnecessary handling of young plants. (This is another talking point for direct seeding your tomato seed so it is not necessary to transplant seedlings.)

2. Avoid handling plants while using tobacco unless the hands are carefully washed before touching the plants.

3. Do not grow old plants and young plants in the same garden area or greenhouse and work back and forth.

4. Keep weeds down in and around the plant beds and garden to keep weeds from serving as a source of this disease.

5. Remove young plants when they first show mosaic (not much is gained in removing old diseased plants).

Replanting in the same location the same year will be of little use, since a healthy plant will often pick up infection in the soil from the remains of mosaic roots in the soil. Generally,

spraying and dusting are of little value in the control of mosaic, except as it may serve to keep aphids under control.

Potatoes Will Keep

Every year a large annual loss is reported in connection with the home storage of Kansas-grown and stored Irish potatoes. Potatoes are successfully stored by many farm families in all sections of the state. They are able to carry needed supplies from one harvest season to the next, and still have some left over. The storage problem often dates back to planting time and quality of seed purchased. This often has much to do with our storage results. There are certain diseases that can be avoided by using strictly seed potatoes, especially certified stock. In addition this good seed will improve the returns in yields as well as assist in cutting down on storage losses at the same time.

Ring Rot Makes Trouble

An important cause for loss in home storage in recent years has resulted from the purchase of seed stock carrying a disease known as ring rot. This disease causes the vines to go down prematurely at harvest time. Potatoes in these hills carry this disease altho it will show only a trace at harvest. However, this condition will develop quite rapidly in ordinary storage with resulting large losses.

Still another common cause for injury and loss results from the potato bugs eating up most of the vines. Since the potatoes have not reached either good size or maturity, they are left in the ground in hope that this size can be obtained from the bare stalks. Sun and heat penetrate the hills so large losses are suffered before any potatoes are dug. This defoliation is not always caused by the Colorado potato bug. Blister beetles and especially grasshoppers are doing real damage to many home potato plantings this year. A good insect control program is very necessary. Chlordane is suggested for grasshopper control. Potatoes that reach proper maturity have better storage possibilities.

As soon as the vines go down whether matured naturally or otherwise, the potatoes should be dug. This will help avoid heavy losses. Our early storage decay is the result of heat injury suffered while the potatoes are in the ground. Kansas-grown potatoes should not be soil and sun baked before they are harvested. Do not leave freshly-dug potatoes on top of the ground to become sunscalded. Get the potatoes into the shade to dry off. Put them in a storage place as soon as possible. Avoid storing them in deep layers.

Plow Only 2 Rows

In harvesting potatoes, plow out only one or two rows before picking any of them up. Handle the potatoes carefully as they are picked up to avoid unnecessary bruising injuries. Separate out any bruised or cut specimens. Keep them out to be used up first. The smaller-size potatoes also should be graded out and used up first. Keeping quality of the larger-size potatoes is usually better than for smaller ones. Potatoes need careful digging, handling and storage if they are to keep well or be worth keeping.

Where possible store your potatoes in a cool cellar or in thin layers in a barn or shed. Choose a condition where less spoilage will develop. Avoid placing the potatoes in large layers or piles. This is a sure way to help injure the stored crop. Time spent in harvesting and protecting the potato crop before it is heat-injured can save you many food dollars thru next winter. Care in harvest should help guarantee your families' supply of potatoes for several months.

Commercial chemical products have been developed to help keep potatoes from sprouting. They are probably for sale in your trade community. If you have had trouble keeping home-grown potatoes because of early and excessive sprouting, get and use one of these sprout inhibitors. I would not suggest use of this material on poor-quality or sunburned stock. Another point to remember is not to wait too long after the crop is stored before getting and using one of these chemical treatments.

Good Poultry State

Kansas ranked 10th in the United States during April in the number of layers on the farm, and ranked third in eggs per 100 hens.

Poultry Calendar

The successful poultryman has a schedule to follow for each month of the year so nothing of importance is overlooked. The Kansas State College Agricultural Experiment Station booklet, C244, Poultry Management, lists 10 or 12 suggestions of the more important pieces of work to be done each month in caring for the flock. In addition, this booklet is a manual for the poultry raiser and covers a great variety of subjects. A free copy may be ordered from Farm Service Editor, Kansas Farmer, Topeka. The supply is limited.

THE SAGA OF THE STEER

| Cattle are not all beef | | Beef is not all steak | |
|---|--|-------------------------------|----------------------------------|
| 1000 lbs STEER | 600 lbs BEEF | 540 lbs RETAIL CUTS | |
| <p>at 26¢ per lb...</p> <p>Packer pays \$260.00*</p> | <p>at 42¢ per lb</p> <p>Retailer pays \$252.00*</p> | Porterhouse steak | Lbs Price Total 40 90 \$36.00 |
| | | Sirloin steak | 50 80 40.00 |
| Round steak | 80 75 60.00 | | |
| Rib & rump roasts | 70 65 45.00 | | |
| Chuck roast | 100 50 50.00 | | |
| Hamburger & stew beef | 160 45 72.00 | | |
| Fats | 40 15 6.00 | | |
| | | 540 57 309.00 | |
| | | Consumer pays \$309.00 | |

*Value of by-products, such as hides, fats, hair, animal feeds, fertilizer, etc., typically offsets packers dressing, handling and selling expenses, so that the beef from a steer normally sells at wholesale for less than the live animal cost.

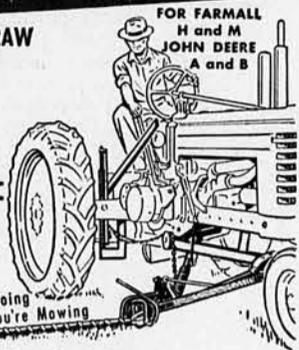
Retailer mark-up must cover such costs as rent, labor, depreciation on equipment and fixtures, etc., as well as shrinkage in weight of beef carcass when converted into retail cuts

Based upon market reports of the USDA for good grade beef steers and good grade carcass beef Chicago style cutting and upon average retail prices for good grade meat, as reported by the BLS, Chicago, during 1947
Prepared by American Meat Institute

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- FASTER
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- HYDRAULIC LIFT
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No tiresome "looking back". Allows you to take full swath, cut faster. Amazingly easy to handle. Hydraulic and manual lift. Mounts on tractor in less than 5 minutes. A "must" for FARMALL and JOHN DEERE tractor owners.

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COMBINATION Grain and Roughage Mill also Ensilage Cutter



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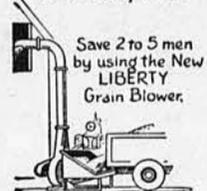
They lead the field in every essential feature. There is a reason. Our New Method of manufacturing builds Greater Strength—Beauty—Durability. Grain Bins that are Waterproof—Fireproof—Vermi-proof at a cost of only a few cents per bushel.

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Replacement of Straight Bars or Spike Tooth Write For Pamphlet Today

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Top Dairy Judges

Here are additional results of Kansas Farmer dairy judging contests held in connection with Spring Dairy shows:

Guernsey

KAW VALLEY: Beverly Daugherty, Ottawa, 1st; Emory L. Morgan, Ottawa, 2nd; Mrs. Ralph Batdorf, Wellsville, 3rd; Eldon Hoyt, Homewood, 4th; Joseph Neller, Olathe, 5th; Mrs. Fred Kissinger, Ottawa, 6th.

Jersey

CENTRAL KANSAS PARISH: D. W. Boster, Burrton, 1st; Elmer Marshall, Sylvia, 2nd; Eldon Voth, Buhler, and Herman Voth, Buhler, tied for 3rd and 4th; J. W. Cook, Nickerson, 5th; Fred H. Krehbiel, Pretty Prairie, 6th.

SEKAN PARISH: W. A. Coons, Columbus, 1st; L. H. Reece, Earlton, 2nd; Claude Gray, Altamont, 3rd; Mrs. L. H. Reece, Earlton, 4th; Mrs. M. F. Giles, Oswego, 5th; Mrs. Herman Bonine, Thayer, 6th.

NORTHEAST PARISH: Deane W. Thorson, Horton, 1st; Ward M. Thorson, Horton, 2nd; R. L. Stover, Robinson, 3rd; Fred B. Smith, Highland, 4th; T. M. Sylten, Hiawatha, 5th.

EAST CENTRAL PARISH: A. H. Knoepfel, Colony, 1st; James E. Berry, Ottawa, 2nd; H. A. King, Melvern, 3rd; Mrs. L. Mears, Rose, 4th; Leo P. Collins, Piqua, 5th.

NORTH CENTRAL PARISH: Harold Marrs, Longford, 1st; David M. Schurle, Manhattan, 2nd; George E. Schurle, Manhattan, 3rd; Mrs. John A. Bowyer, Abilene, 4th; Chas. Copeland, Waterville, 5th.

SOUTH CENTRAL PARISH: Hugh Wilk, Clearwater, 1st; John Weir, Gauda Springs, 2nd; Clayton Martin, Corbin, 3rd; Dale Rigg, Leon, 4th; Elton Young, Cheney, 5th.

Ayrshire

CENTRAL KANSAS: Frank Schrock, Sterling, 1st; C. L. Timmerman, Sterling, 2nd; Chester Kollhoff, Hutchinson, 3rd; Mrs. Fred Williams, Hutchinson, 4th; Wilbur Hendershot, Hutchinson, 5th.

Odd-Rowed Corn

Journal of Heredity reports that a 9-rowed ear of corn was found while sorting a commercial crop at Waterloo, Nebr. This represented the detasseled parental single-cross of a commercial 4-way hybrid. Grains of the ear were planted and odd-rowed as well as even-rowed ears resulted.

Odd rows of grain result from a single spikelet condition. The usual condition for corn is the paired spikelet which produces even-rowed ears. There was also some tassel variation in the progeny that had odd-rowed ears. Work is being done to find the genetic character.

A False Rumor

The U. S. Department of Agriculture says: The rumor that foot-and-mouth disease has broken out beyond the quarantine line in Mexico is not true. Thus far none other than the one case found near the northern quarantine line has been reported. It also was rumored that the vaccination program is a failure. On the contrary, the vaccination work is going on according to schedule in the fastest manner compatible with local situations, an average of 125,000 animals being vaccinated daily.

Meantime, 27,000 animals have been inspected in the immediate region of the recent outbreak without finding any evidence of the disease.

Bindweed a Menace?

The Chipman Chemical Company has a booklet ready for distribution that tells all about the use of Atlacide, a chlorate that kills weeds by destroying the roots. In addition to bindweed, Atlacide is the outstanding killer of Canada Thistle, Quack Grass, Poison Ivy and other weed pests. In the same booklet you learn the whole story about 2,4-D Weed Killers, grow better crops with less work. Write for your booklet to The Chipman Chemical Company, 6225 W. 66 Pl., Chicago, Ill., or to Kansas Farmer, Topeka, Kan.



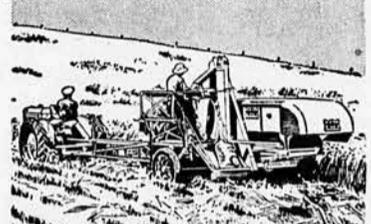
- CUTS
- THRESHES
- SEPARATES
- CLEANS . . .

All Grain and Seed Crops!

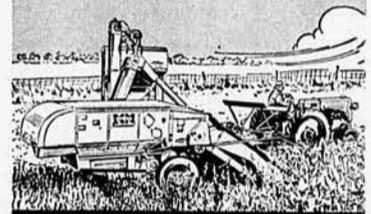
The MM Harvester 69 does a better job of getting, threshing, and cleaning all the crop . . . speedily and at low cost. In harvesting heavy crops, down grain, light stands . . . in practically every kind of crop, the Harvester 69 handles anything from small grains to peas and beans economically!

MM's Harvester 69 has an efficient, big-capacity, straight-through threshing and cleaning mechanism that gently yet thoroughly threshes and cleans all the grain or beans without cracking them. A rigid rasp bar cylinder and electrically welded concave and grate are the heart of that mechanism. The one-piece, fishback straw rack and a channeled grain pan were scientifically designed to keep straw and grain from bunching in front and sides on rolling land.

The MM Harvester 69 is balanced and extra sturdy yet light in weight for light draft. New Uni-Matic Power adapted to the Harvester 69 provides modern hydraulic control for faster, easier handling. See your neighborly, neighborhood MM dealer for complete facts on the economical, dependable MM Harvesters.



EVEN ON ROLLING LAND, MM'S HARVESTER 69 GETS ALL THE CROP FASTER AND BETTER.



MM HARVESTER 69 CLEANS ALL GRAINS AND BEANS WITHOUT CRACKING THE KERNELS.



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Heil Conversion Hoists make money-saving dumping units out of any make of truck. Other advantages are: Low mounting-height. Automatic safety latch. Fast 15-second lift. Three-way control valve for raising or lowering the body, and for holding the body at any desired angle for spreading.

Standard equipment includes pump and control valve, power take-off, drive parts, and cab controls. We quickly make the complete installation. Start making your work easier. Increase the usefulness of your truck. Let us change it into a handy dump unit now.

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To further save the real "wealth" of his farm — the topsoil — he established waterways and a farm pond. To replenish vital minerals taken from the soil by years of cultivation, he has carried out an extensive crop rotation program. . . .

Crop rotation, contour farming, terracing, soil testing and fertilization are the ways "Soil Savers" work, and happier homes, more property, and richer land are the profits they earn.

Ask your Farm Advisor how you too can be a "Soil Saver."
In many ways . . .
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Clip and mail for your FREE Booklet, entitled, "GRASS".

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State _____ R. F. D. _____

4-H Club Work Just Started After 25 Years of Progress



4-H members attend meats judging and grading class at the annual Round-up. Here, David L. Mackintosh, of the Kansas State College staff, shows a meat cut to Ardis Ewing, Montgomery county; Shirley Strawn, Mitchell county; Ruth Moore, McPherson county, and Vernon Heine, Douglas county.

SENATOR ARTHUR CAPPER and Governor Frank Carlson joined in praising 4-H Club work in Kansas in speeches climaxing the annual 4-H Round-up, at Manhattan, May 31 to June 4.

Pointing out that 4-H Club work develops the individual in body, mind, spirit and achievement, Senator Capper said he hopes 4-H Clubs never will be conceived or used as an agency of government such as the Hitler youth of prewar days.

Governor Carlson congratulated 4-H'ers on 25 years of progress in Kansas. He said the development of the state 4-H Club camp at Rock Springs will be an outstanding achievement for the entire state.

Two outstanding gifts for Kansas 4-H Club work were announced during Round-up week. One was the gift of \$25,000 from the Sears Roebuck Foundation for use at Rock Springs. This money probably will be used in building a dining hall for the state camp.

Big Spencer Gift

A second gift of \$4,000 was presented by the Spencer Chemical Co., of Pittsburg, for use in promoting soil conservation. Part of the money will be for education in soil conservation, and part will be used for scholarships to 4-H Club members doing outstanding soil conservation work on their home farms.

Greenwood county won the Kansas Bankers Association trophy, a traditional award made on the basis of attendance, group spirit and conduct, round-up participation, and neatness of quarters.

Blue-ribbon ratings in the association contest were Barber, Cherokee, Franklin, Harper, Leavenworth, Osborne, Sedgwick and Wabaunsee counties. Red-ribbon counties were Wilson, Trego, Shawnee, Sheridan, Pratt, Pottawatomie, Montgomery, Dickerson, Clay, Butler, Comanche, Douglas, Kingman, Marshall, Pawnee, Rush, Sherman and Washington.

Maurice McClure, Harvey county, was elected president of the Who's Who Club, an honorary state organization of outstanding 4-H members. Joyce Schrader, Stafford county, is vice-president, and Roberta Dill, Rice county, secretary-treasurer.

Twenty-seven delegates were initiated into the Who's Who Club. They are Wilma Bauman, Sabetha; Goldie Bever, Coffeyville; Mary Markham, Soldier; Bette Calhoun, Holcomb; Ruth Moore, McPherson; John Paulson, Lindsborg; Jean Engle, Joyce Lauer and Nadine Entrikin, all of Abilene.

Pat Draney, Fairview; Shirley Fitzsimmons, Medicine Lodge; Ellen Allison, Ashland; Joan Shaver, Goodland; Gertrude Tillberg and Dick Brown, Salina; Darrell Hahn, New Cambria; Kenneth Acre, Bucklin; Sam Miller, Milford; Avis Elaine Caldwell, Parker.

Rozella Newman, LaCygne; Jean

Knox, Boicourt; Jerry Schnider, Great Bend; Richard Anschutz, Wilson; Leon Shannon, Hiawatha; Glen David, Winfield; Don Drake and Walter Lewis, Rock; Virginia Howe, Cambridge; Helen Monahan, Easton; Joanne Armstrong, Lawrence; Virginia Jackson, Westmoreland; Lorice Miler, Winfield, and Loren Lindholm, McPherson.

Among Master 4-H Club members back for the special luncheon June 2 were: Alice Leland, Stafford county; Johnnie Good, McCune; Ellen Brownlee Musil, Blue Rapids; Martha Streeter, Riley; Albert Morgan, Alta Vista; Max Archer, Great Bend; Mrs. John Tanner, Wamego; Betty Jane Good, Winfield; Maxell Williams, Kansas City; Robert R. Mayer, Marysville; Amos Blecha, Munden; James W. Leathers, Winfield; Oscar W. Norby, Garden City; Vadaline Strobel, St. Francis; Mrs. Howard Vernon, Admire, and Norma Jean Patterson, Wayside.

New officers for the Master 4-H Club, made up of Washington trip winners and national leadership champions, are: Amos Blecha, Republic county, president; Harold Sommers, Brown county, vice-president; Joyce Schrader, Stafford county, secretary-treasurer, and Mrs. Dorothy Tanner, Pottawatomie county, historian.

The round-up program was about equally divided between work and fun. Members worked in various musical groups on concerts given during the week. Training classes were held all week in numerous projects. And there were tours, games, banquets, a picnic at the State 4-H Camp and a horse show.

Special programs and classes also were held for 4-H Club leaders and for Extension workers.

Paint Aluminum Circle

I find painting an aluminum circle around the light switches in the barn and outbuildings makes it much easier to find them in the dark or dim light. —Mrs. E. L.



"Don't hold his nose! Let him sneeze!"

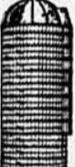
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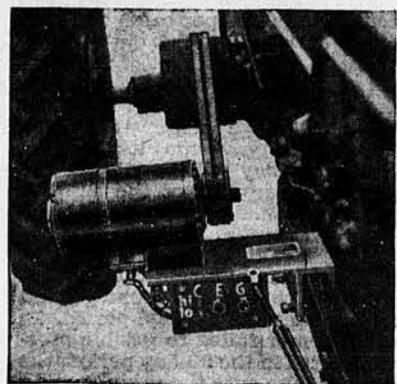
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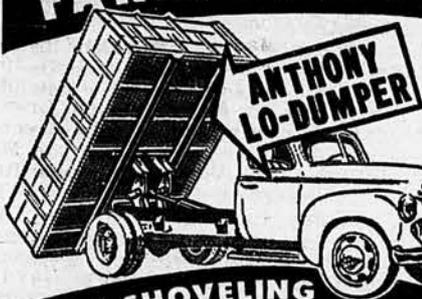
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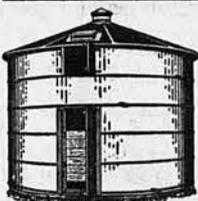
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Fits under your own platform, grain or stake body. You can find out all about Anthony Farm hoists from any truck dealer . . . find out how easy and inexpensive it is to make a dump truck out of your own platform, stake or grain body. Anthony "LO-Dumper" 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.

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LOWER COST
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Foushee & Heckendorn, Cedar Point, Kan.

Marketing Viewpoint

By H. M. Riley, Livestock; P. L. Kelley, Dairy Products; John H. McCoy, Feed Grains; Joe W. Koudele, Poultry.

Would good cattle started on feed July 1 and fed until mid-October be profitable?—P. S.

Your problem is one that is facing a great many farmers who are handling steers and heifers on the deferred system.

It seems probable that prices of good to choice fat cattle will be well maintained this summer and fall due to the following factors:

(1) Cattle prices already have taken a substantial downward adjustment from peak prices paid last summer and early fall. On the better grades of cattle this has amounted to a 25 to 30 per cent decline.

(2) The supply of better quality beef on the market should not be burdensome this fall. The number of cattle on feed is considerably over last year, but only about average for the last several years. Due to the short corn crop in 1947, cattle feeding was curtailed during last year.

(3) Demand for meat has been well maintained since early spring. Consumer incomes have been decreasing along with industrial production and employment but expenditures for durable goods, such as electrical appliances, have declined more than expenditures for food. With industrial production still declining, it is reasonable to expect further decreases in consumer demand for meat as the season progresses. This will tend to partially offset any further seasonal strength in prices of good to choice slaughter cattle.

The expected early movement of hogs to market this fall along with the usual seasonal bulge in grass-cattle movement will tend to force prices for the lower grades of slaughter cattle downward. This may cause some weakness in prices for the better fed cattle as the season progresses, but feeding for a late September or early October market seems desirable at this time.

What effect will the support program for butterfat and dry milk have on fluid-milk prices?—J. M.

Prices of milk for manufacturing use are expected to be relatively steady during June. However, price of milk for fluid consumption may show some slight decline during June. Milk sales decline slightly this month as people start going on vacations.

Do you advise selling wheat at harvest or should I hold it?—H. E.

Hold wheat if you possibly can. Use temporary storage if it is necessary and arrange for better storage later. The price of wheat now is well below the loan rate and probably will be substantially below that level during harvest. It is probable that some price recovery from harvest lows will take place later in the year. If a recovery does not take place, you should make arrangements to take out a loan or purchase agreement on the wheat.

It appears the final loan rate will be around \$2.19 for No. 1 hard winter wheat at Kansas City. County rates will be less than the Kansas City rate by the amount of freight and handling charges. In addition to the loan value, farmers will receive 10 1/2 cents a bushel storage payment for farm-stored wheat.

Is it true that futures trading is carried on in poultry now?—D. E.

Trading in dressed-poultry futures started June 1, 1949, on the Chicago Mercantile Exchange.

Trading will be permitted in turkeys, fowl, fryers and roasters with specific delivery months prescribed for each. Price fluctuations will be 1/100 cents a pound in carlots of 20,000 pounds with the daily trading limit set at 2 cents above or below the previous day's settling price.

All poultry must be dry-picked or semi-scalded and deliveries against future contracts must be made from Chicago approved warehouses or from a car on team tracks, but the latter entails an allowance of 1/2 cent a pound. All tenders must carry a United States Government inspection.



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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.

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Brannan Plans Control

(Continued from Page 7)

"I have suggested priority use of price-support funds for corn, cotton, wheat, tobacco, milk, eggs, chickens, hogs, beef cattle, lambs. Loans and purchase agreements work very well on storable commodities. For perishables, production payments. The farmer can produce with assurance. The consumer buys at the price set by supply and demand. If the average price received by producers is lower than the support level, the producer receives a production payment for the difference between the support price and the average market price. Farmer's eligibility for price support should be tied to a soil-conservation requirement, to acreage and marketing limits when wasteful surpluses make them necessary, and to volume per farm of supported commodities."

No Estimate of Costs

Brannan said he had no estimate of costs, but that ultimate losses all around would be higher without his program than with it. He said farmers face surpluses, so controls will be necessary anyway; said his plan has the advantage that consumer-taxpayers will get lower-priced foods in return for taxes they pay, while farmers will be assured of income—as long as they obey regulations.

Faced with a 300- to 325-million-bushel wheat carry over June 30, plus a record crop in the neighborhood of 1,400,000,000 bushels, the U. S. Government has started "moving fast" to increase farm storage facilities.

With terminal elevators west of the Mississippi two thirds to three fourths full of old wheat—mostly government owned after May 1—the Department of Agriculture chose to plug for more elevators and farm storage construction in the Wheat Belt, rather than try to move government wheat to eastern elevators. The grain trade, backed by Wheat Belt congressmen, insisted there was plenty of storage available east of the Mississippi. Secretary of Agriculture Charles F. Brannan brushed the suggestion aside as "not feasible."

"Store" Wheat on Ground

Last week Brannan announced the administration's "increased farm storage" program to meet the emergency. With terminal elevator storage filled, the railroads threatened embargoes on shipments to terminal markets.

The Brannan pronouncement declared an emergency and extended government support prices to cover wheat "stored" on the ground in the Wheat Belt proper, under certain conditions.

Brannan announced farmers will be lent 85 per cent of the cost of farm bins; with ordinary crops the farmers, the

department figures, can pay off the loan in 3 years from government payments received as storage charges in the government-financed bins.

Wheat growers who take 90-day government loans (at 4 per cent) for construction of bins will be eligible for wheat loans at 75 per cent of the support price. They will have 90 days after the bin loan is approved in which to provide storage bings. When the wheat is stored in government-approved storage bins, they will be eligible for the other 25 per cent of the support price wheat loan.

CCC Would Take Loss

Secretary Brannan said the government will take the loss from ground storage during the 90-day period. In case the farmer failed to get bin storage completed in the 90-day period, the CCC would take over the grain, paying the grower the difference between the loan and the price at which the wheat sold (less certain costs).

Announcement of the "distress loans" for farm storage bins was held up by Brannan until the administration had forced thru Congress an act authorizing the Commodity Credit Corporation to make loans to co-operatives and others for construction of elevator storage space. Grain trade resisted this, charging the objective is for Commodity Credit Corporation to get itself into the grain trade thru owning and operating elevators, in addition to its already preponderant position in the market thru the support-price program. They foresee a "government grain monopoly" down the road. Administration, of course, declares such fears are groundless.

Corn Loans, Too

A similar program for corn storage loans is in the cards.

A storage allowance equivalent to country warehouse rates will be made by CCC for all grains going under loan the next 3 years (1949, 1950, 1951). Rates for this year will be same as for resealing: 10-11½ cents for wheat, 10 cents for corn, barley, rye, grain sorghums; 8 cents for oats.

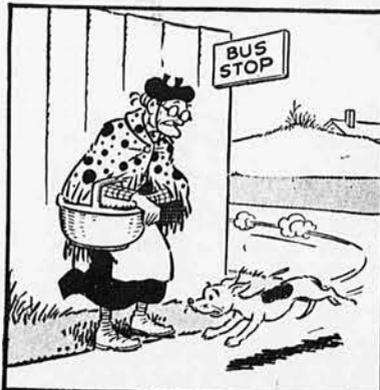
(By the way, the storage bin loans will be for new construction only; remodeling old structures won't qualify.)

Wayne Darrow (Washington Farm Letter) uses this as an example:

You want 1,000 bushels new storage, which will cost 30 cents, or \$300. Government will lend you \$255. You get 10 cents a bushel storage allowance for 3 years, if storage is fully used. Annual rate of repayment would be a minimum of \$85, even if space isn't used, or \$100 with full storage. Guaranteed earnings (storage rental) would pay

(Continued on Page 27)

GRANDMA . . . By Charles Kuhn



4-2 CHAS. KUHN

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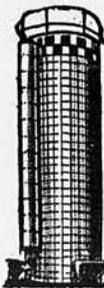


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entire cost in 3 years of full use. It is understood that in bad years when storage is not used, an extension of time to pay off the bin storage loan would be granted.

Ready for Wheat Vote

Department of Agriculture is preparing for a vote on wheat marketing quotas, date tentatively set at July 23. Ballots are being printed. Proclamation of marketing quotas on 1950 wheat by Secretary Brannan is expected any time now.

Department anticipates marketing quotas—if and when proclaimed—would carry handily in the Wheat Belt proper; doubtful about vote is eastern wheat states, Pennsylvania, Ohio, Michigan, Missouri. It requires a two-thirds majority of those voting to impose marketing quotas; there are some 1,500,000 farmers eligible; the 20-acre grower has the same vote as the big commercial grower.

A corn resealing program, for 1948 corn under government loan, has been announced by Production and Marketing Administration.

The following release from Department of Agriculture explains details:

"Upon maturity of 1948-crop loans, but not later than October 31, 1949, producer may extend loans to mature on July 31, 1950, or earlier on demand. Loans will be extended only on corn which, after reinspection, meets the eligibility requirements provided for the 1948 corn price-support program. When loans are extended, producers will not be required to pay additional service fee. Producers who reseal corn will be required to repay loans plus interest on or before the extended maturity date or to deliver the corn to CCC in satisfaction of loan. If the resealed corn is delivered to CCC on or after maturity, payment will be made to producers for storage and related services during the extended period, amounting to 10 cents per bushel. If the corn is delivered prior to July 31, 1950, upon request by the producer and with the approval of CCC, the amount of the storage payment will be prorated, depending on time the corn was in storage.

"Producers who have signed purchase agreements in areas where loans also are available may participate in the resealing program. Not later than October 31, 1949, these producers may obtain loans on eligible corn in eligible farm storage, provided that the quantity placed under loan shall not exceed the number of bushels specified in the purchase agreements, minus any quantity on which the option to deliver to CCC has been exercised . . . subject to same terms and conditions as corn which is resealed by the extension of loans in effect under the 1948 program."

Coming Events

- June 20-22—Barton county nutrition training school, Gertrude Allen, leader.
- June 24, a. m.—Small Grain Field Day, Smith Center.
- June 24, p. m.—Small Grain Field Day, Belleville experiment field.
- July 5-9—Jefferson county 4-H camp.
- July 10-13—Tri-county 4-H camp, Rock Springs Ranch. (Pottawatomie, Wabaunsee, Riley)
- July 13-16—Jewell county state 4-H health camp.
- July 14—Cowley county 4-H picnic.
- July 14—Senator Arthur Capper birthday picnic, Garfield Park, Topeka, for all the children in Kansas.
- July 18-20—Ellsworth county 4-H summer camp.
- July 21-23—Northwest summer conference, county agents, Salina.
- July 27—Elk county beef tour.
- July 29—Cowley county beef tour.
- July 30-Aug. 2—Cowley county 4-H camp, Camp Horizon.

The Egg Problem

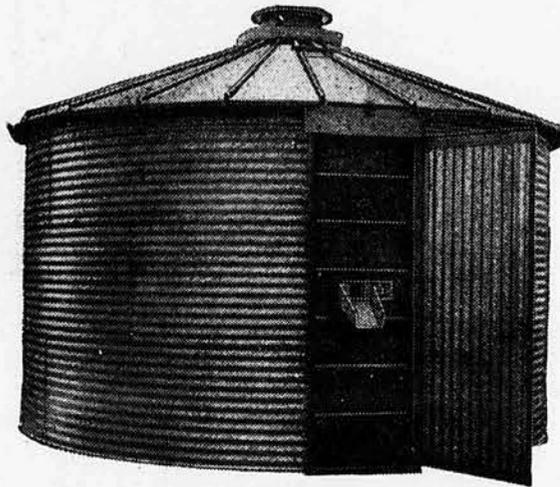
If each person in the U. S. had eaten 7 more eggs in 1948, it would have wiped out a surplus of 84 million dozen, states H. H. Alp, director of the poultry department of the American Farm Bureau Federation.

Actually, Mr. Alp says, there never has been a surplus of high-quality eggs. Millions of people would be willing to buy more eggs every year if they could get quality. As it is, he points out, there are altogether too many mediocre, off-quality eggs being merchandised—the kind that discourages consumption.

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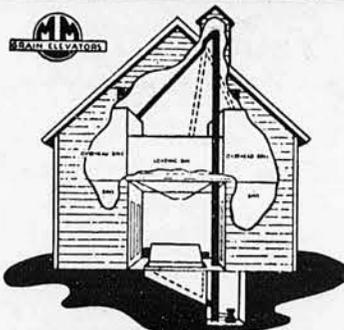


Illustration shows a Master Grain Elevator leg installed. Lines indicate pit in driveway, engine room, storage bins and overhead loading bin. Minimum installation and remodeling cost to install a complete powered Master Elevator.

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Simple hand wheel adjustment sets the discs to any depth from 2 to 6 inches . . . positive leveling adjustment makes for more uniform performance . . . cutting angles are

changeable to meet various field and soil conditions.

And what's more, because of the floating-type hitch, you can back up, turn right or left to suit your field conditions. Built in two styles — Model 510, 10-inch spacing, 6-, 8½-, and 10-foot widths; Model 509, 9-inch spacing, 6- and 8½-foot widths.

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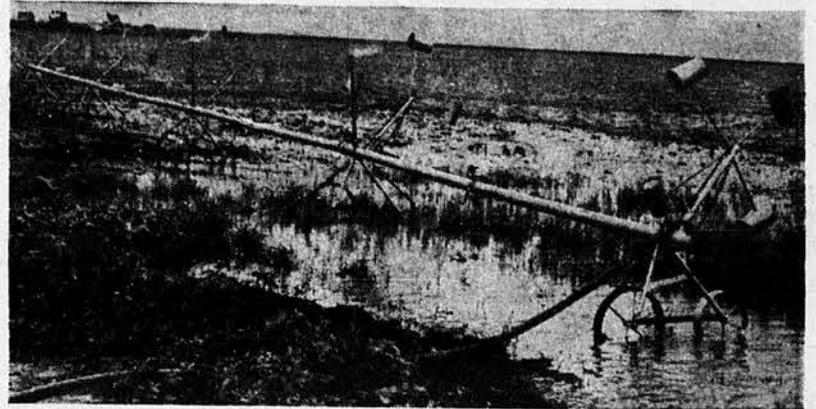
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than make a generous contribution for the treatment of crippled children. The Capper Foundation will appreciate your gift and will see that it helps some worthy child on the way to a normal life.

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Put Irrigation on Wheels

(Continued from Page 6)



This picture demonstrates that the Bird self-propelled sprinkler system will operate in a muddy field. A fire hose is being used for the supply line. But a hose has its limitations because of kinking and because spray unit has to drag weight of hose and water.

angles to the wheels. The lateral pipe rests on this arm and is attached by means of a metal strip that fits around the pipe with sufficient clearance also to slip over the arm rest. It is then clamped into place with a single bolt.

The unit demonstrated carried the lateral at a height of 20 inches above the ground. Later models will be 30 inches high so they can be used more easily on row crops, Mr. Bird explains.

One of the problems that had to be overcome in making the Bird system practical was that of a moving supply line. Gerald Cain, a brother-in-law of Mr. Bird, invited a telescopic pipe to supply water to the moving sprinkler line. He also worked with Mr. Bird in perfecting the self-propelled power units as did other members of the Bird family.

Water Pressure Pushes Pipe

Mr. Cain's experimental model of this telescopic supply line is a 30-foot length of 6-inch pipe with another 30 feet of 5-inch pipe encased. The back end of the smaller pipe has a metal collar. Hydraulic pressure of water flowing thru the pipe pushes the smaller pipe ahead. When it reaches the end it is held in place by pressure against the metal collar. Mr. Cain uses a hand winch equipped with a friction brake to control the speed of the telescopic action, and to pull the pipe lengths back together when they have reached their limit of extension.

"By starting with a larger and longer pipe and graduating it down one inch at a time," says Mr. Cain, "you can have a supply line that will extend out 200 feet or more from its starting point. When you reach the end, all you have to do is to use a winch to telescope the pipe, lay your main up to that point, and start over again. This would be a job that could be done by one man."

Is the Bird system still in the experimental stage? Well, 500 power units already have been manufactured and are on the market. Mr. Bird is set up to assemble from 50 to 75 units a day on his farm. The Croft Trailer Co., of Kansas City, Denver, Spokane and Galveston, also has manufacturing rights and will be distributor for the units. The Farm Improvement Co., of Denver, is negotiating for sales rights to the system in its territory, which includes much of Kansas.

What Engineers Say

We talked to engineers and sales representatives of the Farm Improvement Company following the demonstration and they explained the possibilities of the Bird system.

The system, they say, will require only about half as much pressure as stationary systems now in operation. This will mean that less power for pumping will be needed and cheaper nozzles can be used on the line, engineers maintain.

While the Bird power units were designed for use on present sprinkler-type equipment, engineers believe they eventually will have to redesign pipes and nozzles to take full advantage of the mobile equipment. They also will need to do considerable research on spray patterns, and the problem of how much water can be distributed over a field at given speeds with various types of nozzles.

Their thinking is that speed of covering a field with self-propelled units would be a big advantage. A line moving at 30 or 40 feet an hour and putting

out 1 to 2 inches of water over the area would be very desirable, they believe.

Speed of the power units in the Bird system is determined by the amount of water allowed to run into the containers during a given time. This is easily regulated, Mr. Bird explains. The distributor valve on each power unit is set like a clock. A notch on the valve is set at 2 o'clock when traveling forward. If the operator wants to reverse the direction of the line, this valve can be set back at 10 o'clock. In other words, the sprinkler line will go either forward or backward. The containers on the power wheel are turned over for reverse. That the line can go either forward or backward is important in relation to the source of water supply, and might be important in relation to prevailing winds.

How large a field can be covered at one time with the Bird system? No one knows exactly. Mr. Bird says a farmer could irrigate 320 to 400 acres with ½ mile of main and ¼ mile of lateral pipe, using his system. The length of the lateral line that could be used, he thinks, would be determined by the operator's ability to buy pipe and power units.

Pipe Made to Order

De luxe models of the power units are designed and built to sell for \$45 each. This price includes the synchronizing rod that ties units together. Mr. Cain has not established a price on his telescopic supply pipe, as it will have to be made on order as to size and length and the cost would vary according to the needs of the buyer. He plans to manufacture the pipe in his farm shop at Sublette.

One question most frequently asked by farmers is: "Will the system work in a muddy field?" Because of mud, Mr. Bird had his main demonstration unit set up in his pasture for the convenience of spectators. To prove that his system would work in the mud, however, he set up a smaller system in an adjoining field that was extremely muddy. Part of the unit had to go thru a sunken area containing 4 or 5 inches of water. The unit operated perfectly. "As a matter of fact," says Mr. Bird, "the system works better in mud than on grass."

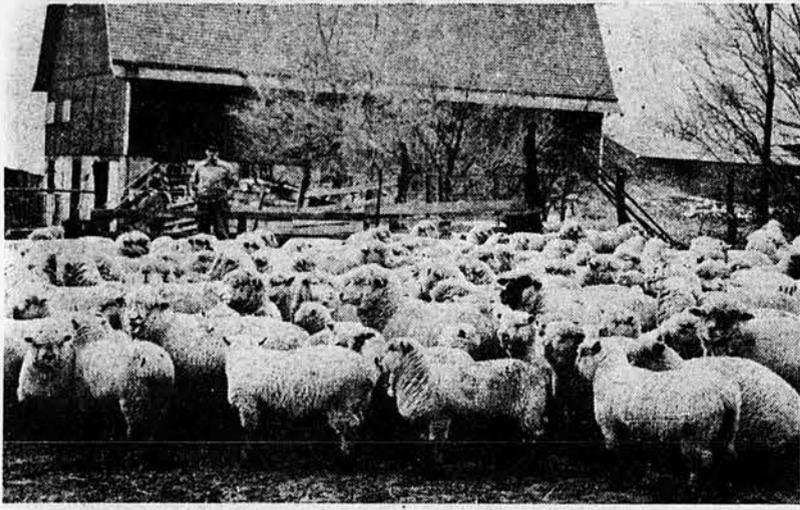
How It All Started

How the Bird self-propelled sprinkler system got its start makes an interesting story. Mr. Bird had wanted a sprinkler-type system for several years. One day he told the salesman he would buy a system whenever they solved the problem of having to move the lines. The salesman admitted no one had worked that out yet, but assured Mr. Bird that someone would solve the problem sometime.

After he got home Mr. Bird asked himself why he didn't do something about it personally. That was in February of this year. He immediately set to work on it and soon had a crude model of his present idea. "We never did make a model that wouldn't work," he recalls, "but, of course, we have made many improvements to our original model since then."

When you stop to think that within a few months Mr. Bird and other members of his family have seemingly solved a problem that has stumped professional engineers for years, you can appreciate what we have maintained for a long time. You can't beat the ingenuity of a Kansas farmer.

Never Lost Money On Ewe Flock



George E. Warrick, Reno county farmer, with part of his ewes and lambs. He has had a ewe flock for many years and reports he never has lost money on them.

I HAVE been handling a ewe flock ever since I was a kid and never have lost money on them," says George E. Warrick, of Reno county. This year he has a flock of 125 Rambouillet and Corriedale cross ewes from Idaho that he bought off wheat pasture because of bad weather. They make very good mothers, he says. Mr. Warrick uses registered Southdown and Shropshire rams.

Here is the Warrick management program in outline form:
He buys yearling ewes so he can establish the breeding cycle he wants, and then keeps those ewes 4 or 5 years, except for non-producers that are culled out.

"Get Fewer Twins"

Ewes on this farm are bred in June for November and December lambs, which then are marketed by Easter or earlier. "You get fewer twins with June breeding," says Mr. Warrick. "This eliminates the problem of so many orphan lambs. And I would rather have one strong lamb that will do well than twins."

All ewes are sheared the latter part of March. As soon as they heal they are wormed and kept on pasture until they lamb. Starting 3 or 4 weeks ahead of breeding, they are given oats to flush them. During this period oats are increased until ewes are getting 1 1/2 pounds a day.
Then, in June, the rams are turned in with the flock. A month before the ewes lamb, they get oats again, starting with 1/4 pound a day. This is increased until they are getting 1/2 to 3/4 pound a day on pasture. "I believe in ewes getting plenty of exercise and just enough oats for good milk production but not enough to get them too fat," says Mr. Warrick.

After a ewe has lambed, she and the lamb are shut up in a pen for 24 to 36 hours and both are marked for identification. After lambing, ewes are never turned back with the flock but kept in a separate pen. "This avoids mixups and confusion and I can give those ewes with lambs more feed," reports Mr. Warrick. "I step the ewe's oats feed up to 1 pound a day and keep her at that level as long as the lamb is nursing."

Lambs are starting on creep-feeding when about a week old. They get ground oats, some bran and alfalfa hay leaves (no stems). They are weaned in March when the ewes are shorn.

Because of his feeding program with the ewes, Mr. Warrick gets a good wool crop. His ewes will average 10 to 12 pounds of wool at a clip. At present prices that is a nice dividend.

A rigid parasite control program is followed with the flock. Ewes are dipped 2 weeks after shearing. Whatever lambs are left on the farm also are dipped. Worming is done twice a year—spring and late summer—with phenothiazine. It is done by hand with a 2-ounce syringe. "I prefer this method to feeding phenothiazine with salt," states Mr. Warrick. "When you feed the medicine those ewes that need worming the worst often are crowded away from the feed and don't get enough. Hand drenching is more work but you absolutely know every ewe has had a proper dose."

Ideal for Sheep

Mr. Warrick believes Kansas is an ideal state for ewe flocks. "We have mild winters here for lambing," he points out. "Most of the time we have wheat pasture that is wonderful for ewes suckling lambs and provides the cheapest possible gains on lambs."

Good use of pasture is followed on the Warrick farm. In addition to wheat pasture, he uses native grass, sweet clover, rye, vetch and Sudan grass. Sweet clover is planted with wide-spaced oats. Oats are harvested the first year and limited pasturing of the sweet clover is used in the fall. The second spring sweet clover is allowed to get up to 6 or 8 inches tall, then is pastured heavily. With this strong pasture program, Mr. Warrick believes he is getting the cheapest possible gains and following the best land-use practices.

Potato Chips

When you are eating potato chips do you ever stop to think how big this industry is? The potato-chip industry last year used about 20 million bushels of potatoes, reports the U. S. Department of Agriculture.

Please Be Careful

A FARMER, cutting cows from a herd, was fatally injured when his horse and that of the man who was helping him collided.

A young farmer was in a shed during an electric storm, and had started to shovel grain from a wagon when he was killed by lightning. Four relatives standing nearby were unharmed. A shed is a dangerous place to be during an electric storm.

An elderly man was unloading baled hay from one truck to another. He slipped and fell from the flatbed of the truck, sustaining fatal injuries. (This was very strenuous work for a man 74 years old—but Kansas has many active farmers in the older age groups.)

The driver of a tractor, not knowing anyone was behind his machine, backed up and killed a young farmer.—Kansas State Board of Health.

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KANSAS FARMER Classified Advertising

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Baby Chicks, 10 Breeds, Surplus Pullets, \$12.95; Assorted Heavies, \$6.85; Mixed Assorted, \$6.45; Leftovers, \$4.95; Barnyard Special, \$5.95; Odds-ends, \$2.95. 100% alive. FOB. Send money order. Clinton Chick Store, Clinton, Mo.

Thompson—Quality bloodtested White, Barred Rocks, Red, Wht., Wyandottes, Hampshires, \$8.95; pullets \$12.95; cockerels, \$9.95; Anconas, Minoreas, White, Brown Leghorns, Austral 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.

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Sheep Farming Profitable. Feeding, breeding, management problems explained. Send dollar bill trial subscription (monthly). Sheep Breeder Magazine, Columbia 3, Mo.

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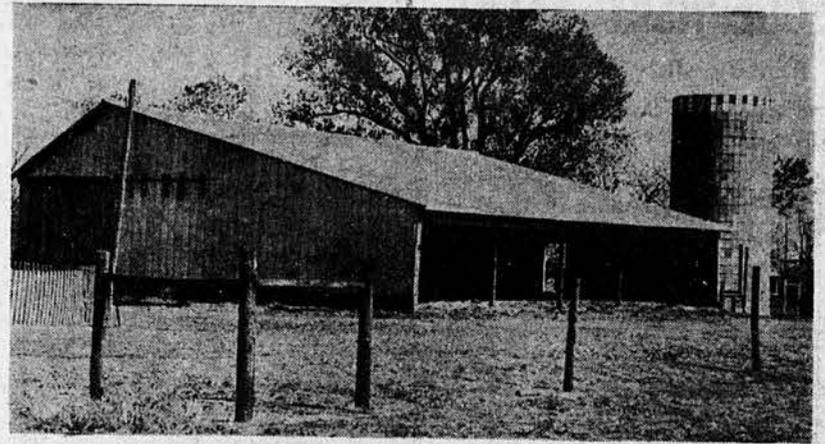
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"Just Any Cows Would Do"

But That Was When He First Started Milking



Here is the combination loafing shed and hay storage barn, and new silo, on the Jake Walter farm, Kingman county. The milking parlor is out of the picture to the right. Mr. Walter is putting up an entire new set of buildings on the farmstead.

WHEN a town man without experience makes a success of dairying, that's news. Such a man is Jake Walter, of Kingman. He started his purebred Ayrshire herd from scratch, and now has one of the better herds in Kansas. Here is his story:

Five years ago Mr. Walter decided he wanted to farm but his plans were not too definite on a farm program. Like many farmers before him, he thought he ought to milk a few cows. Just any cows would do, he thought.

So, with this in mind, he picked up a Whiteface, 2 Jerseys of uncertain breeding, and a Holstein of only fair quality. There were no improvements on his farm so he moved an old railroad car onto his future farmplot and used that for a milking parlor.

He Picked Ayrshires

His interest aroused in milking, Mr. Walter began looking around. He attended a few dairy shows and sales. At these he fell in love with Ayrshires and decided to plunge a little for some purebred breeding stock.

From the herd of Doctor Downing, at Arkansas City, he bought a bred heifer, a year-old bull, and a small calf. He paid \$215 for the bred heifer, a fact that almost gave his banker heart failure at the time. That was 5 years ago this coming April. Last year that foundation heifer produced 13,000 pounds of milk and 523 pounds butterfat on test. This year Mr. Walter sold 3 of her offspring at the state sale for \$830.

The Walter herd now consists of 32 head. Five good heifers were brought in from Michigan and several from the Fred Williams herd, at Hutchinson, and more from the Downing herd at Arkansas City. One of the Downing bred cows now is an approved cow. This means 5 or more of her daughters have records of 380 pounds of butterfat and more than 9,000 pounds milk in their first lactation.

Herd sire on the Walter farm is Fayrfield Nicholas, a Fred Williams bred bull purchased by Mr. Walter from Henry Sewing, Macksville. This bull now is the only Ayrshire bull in Kansas classified as "excellent."

Last year the herd, with about half those milking first-year heifers, averaged 382 pounds of butterfat. It will be about 400 pounds this year. Two first-year heifers last year made meritorious records. One had a mature equivalent of 528 pounds of butterfat and the other 543 pounds. The herd was classified last year and had a score of 86.5, with 7 classified as very good and 5 as good plus.

What Testing Did

Joining a testing association is given credit by Mr. Walter for his real awakening as a dairyman. "I was still milking those old mixed breeds when I started testing," he recalls, "but it didn't take me long to get rid of them after the records came in."

Growth of the farmstead has kept up with growth of the herd. The old railroad car used first as a milking parlor now is a calf barn. A new and modern milking parlor and milk room have been built. Also a combination hay storage and loafing shed 52 feet by 65 feet and a new silo. Other improvements include a bull shed, a hog shed and all new fencing.

There is no house on the farm—yet. Mr. Walter still is living in Kingman

and driving out each day. "But I plan to build a new home as soon as I can manage," he adds. "I've already made most of my mistakes by learning this business the hard way. From now on the job should be easier and more profitable."

Good Pasture

A fairly complete pasture program has been worked out for the herd. Rye is used in the fall and early spring for pasture. This is followed by oats and Sudan. This year Mr. Walter mixed 100 pounds of vetch seed to the acre with his rye on 20 acres. He believes the vetch will spread his pasture season and help build up the soil.

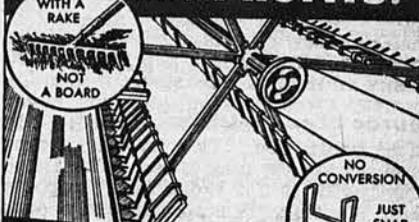
As might be expected, Mr. Walter has had some serious trouble with mastitis. He is stamping out this trouble now with a quick milking program that is showing outstanding results. "I think I have mastitis whipped now," he says.

Pays Better

It costs slightly more per acre to farm following good soil-conservation practices such as terracing, contour farming and legumes in rotation. But, a recent survey of 60 South Central Kansas farm records show, conservation farming costs less per \$100 net income.

Machinery costs for conservation farming were 20 cents per crop acre higher, and labor costs 36 cents per crop acre higher with terraces and contouring. However, the average expense per \$100 gross receipts was \$9.46 less where conservation farming was done.

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serviceable age and at reasonable prices.
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Now offering outstanding Fall Boars. Immune and registered. New breeding for old customers.
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IN THE FIELD



Jesse R. Johnson
Topeka, Kansas
Livestock Editor

and MIKE WILSON, Livestock Fieldman, Muscotah, Kansas.

The NEBRASKA WESTERN NATIONAL MILKING SHORTHORN sale held at Omaha, April 27, was a great success, according to sale manager Claude McKelvie. The sale was attended by over 500 interested spectators and buyers. One hundred and twenty-one head were sold at a general average of \$230. The top bull sold for \$415 to Hent & Burke, of Genoa, Nebr. Vern Young, of Broomfield, Colo., topped the females at \$560. Sixty-six bulls, 25 of them ranged in age from 1 week to 8 months, averaged \$200. The top 10 averaged \$345, and the top 20 averaged \$285, indicating the unusual level average of the entire offering. The local demand was unusually good and buyers also came from 7 states. Burritt Allen was the auctioneer.

The NORTHEAST KANSAS MILKING SHORTHORN BREEDERS' ASSOCIATION gathered at the Civic Center Building Horton, April 29 for the annual district show. Eighty-six head of cattle were on exhibition. R. E. Gracey, president of the National Milking Shorthorn Breeders' Association, judged the classes in the afternoon. Representatives from several district groups in Kansas attended the show. Arrangements and details of this successful meeting were handled thru the committee. Members of this committee are: Nels T. Torkleson, Everest, chairman; J. E. Tate, Horton, vice-chairman; Bernard Wassenger, Marysville, and Leonard Pitts, Valley Falls. Everyone expressed the opinion this was the finest lot of cattle ever assembled in this district.

I have just received a most interesting letter from ALVIN T. WARRINGTON, of Leoti. Mr. Warrington established a herd of registered Shorthorns at his present location something like 15 years ago. He bought from leading herds of the country and selected bloodlines proven in the show ring as well as the feed lot. At that time it looked doubtful that such investments would prove good in that territory but time has proven the wisdom of the venture. Mr. Warrington not only has increased the Shorthorn population in his own and neighboring localities, but has placed many valuable bulls and females in the herds of breeders in other states. During the years, he has been supplying the needs of old customers who know where to go for quality and the best breeding. Mr. Warrington reports everything favorable in his territory, abundance of moisture, wheat all right, and the best grass ever.

The annual NATIONAL DUROC BREED CONGRESS will be held at Lincoln, Nebr., July 29 and 30. The meeting will be held in the big 4-H building on the Nebraska state fair grounds. It is expected that over a thousand hog breeders, farmers, and nationally known breeders will attend this meeting. The central theme will be "what type hog for the most profit." The educational program will feature a type conference, judging contest, carcass demonstration and cooking school. A national show for breeding stock with a premium list of over \$4,000 in cash prizes should attract to Lincoln over 200 top animals of the breed from every swine growing state. A worthwhile feature will be the barrow show. This show and congress will be a fitting memorial to the faithful Nebraska Duroc breeders of a generation ago, when the Duroc was all but unknown in that state.

KAWVALE YORKSHIRE FARM, located on highway No. 40, 7 miles southwest of Manhattan, is headquarters for registered Yorkshire hogs. The owner and manager of the farm and herd is REX KENT, a young man with considerable vision. Watching the trends for several years he decided lard substitutes ultimately would reduce the demand and price of lard. With this in mind he established a herd of registered Yorkshire hogs.

At present he has 7 brood sows headed by the highly-bred boar Trumps Bounty, register number B 103. A fine crop of spring pigs by this boar are now growing and developing on alfalfa pasture with a carefully-selected grain ration. The foundation sows carry some of the best blood of the breed. They are exceptional mothers and produce large litters. Seventy-eight pigs were farrowed by the 7 sows this spring. A new herd boar has been purchased for future delivery from a noted Maryland herd. Mr. Kent is building a new house at present and has other extensive improvements in mind.

It begins to look as tho the Red Polled, one if not the oldest dual-purpose cow in existence, is coming into her own in Kansas. Over the years KANSAS RED POLLED breeders have lacked organization. Now they are organized with 43 active members and a directory of 112. G. W. Locke, of El Dorado, is president; H. E. Reed, Attica, vice-president, and J. E. Loeppke, Penasola, secretary and treasurer. The Locke herd numbers about 100 with about 30 cows in milk. Mr. Loeppke has over 50 head and milks 25 cows the year around. Both of the above herds are on test, as are several other smaller herds and others plan to start later on. Many of the

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 | \$29.00 | \$26.75 | \$38.00 |
| Hogs | 21.50 | 20.00 | 28.50 |
| Lambs | 31.00 | 32.00 | 32.00 |
| Hens, 4 to 5 lbs. | .18 | .19 | .22 |
| Eggs, Standards | .42 | .43 | .41 |
| Butterfat, No. 1 | .54 | .54 | .76 |
| Wheat, No. 2, Hard | 2.20 1/4 | 2.28 3/4 | 2.37 3/4 |
| Corn, No. 2, Yellow | 1.40 1/4 | 1.36 1/4 | 2.37 1/2 |
| Oats, No. 2, White | .68 1/2 | .75 1/2 | 1.22 1/2 |
| Barley, No. 2 | 1.09 | 1.10 | 1.70 |
| Alfalfa, No. 1 | 20.00 | 30.00 | 25.00 |
| Prairie, No. 1 | 17.00 | 17.00 | 16.00 |

herds are small in numbers. The annual Red Polled Breeders picnic will be held at Carey Park, Hutchinson, on August 3. The association has shown a worthwhile increase both in numbers and interest since its organization in 1947, when it was established with 27 members. Mr. Maynard, of Fowler, has a herd of about 45 head. Anyone desiring information about this great breed of cattle should write Secretary J. E. Loeppke, Penasola.

Public Sales of Livestock

- Aberdeen-Angus Cattle**
August 18—Paul Whitman, Rosemont, N. J. (Sale at Silver Top Farm, Belton, Mo.) J. B. McCorkle, Sales Manager, Suite 3710 A. I. U. Bldg, Columbus, Ohio.
- August 29—Simons Angus Farms, Madison, Kan. September 5—C. E. Reed Stock Farm, Wichita, Kan.
- November 10—Kansas State Angus Sale, Hutchinson, Kan.
- Brown Swiss Cattle**
October 19—Tri-State Breeders Consignment Sale, Topeka, Kan. Ross Zimmerman, Secretary, Abbyville, Kan.
- Guernsey Cattle**
July 15—Canadian Valley Guernsey Farm, Galesburg, Kan.
- October 21—Kansas State Guernsey Sale, Hutchinson, Max Dickerson, Secretary, Hiawatha, Kan.
- Hereford Cattle**
September 13—Jansonious Brothers, Prairie View, Kan.
- October 1—T. P. Ranch, Prior & Brown, Eureka, Kan.
- October 14—Duttlinger Brothers, Monument, Kan.
- October 15—C. K. Ranch, Brookville, Kan.
- October 15—Elmer Johnson, Smolan, Kan. (Night sale.) Haven Hereford Association, Hutchinson, Kan.
- November 5—Jesse Riffel & Sons, Enterprise, Kan.
- November 7—Covley County Hereford Breeders' Association, Chas. H. Cloud, Secretary, Winfield, Kan.
- November 9—Flint Hills Association, Cottonwood Falls, Kan. Elmer G. Stout, Sale Manager, Cottonwood Falls, Kan.
- November 11—W. H. Tonn & Son, Haven, Kan.
- November 14—Kansas State Hereford Sale, Hutchinson, Kan.
- November 14—Sunflower Hereford Futurity, Hutchinson, Kan.
- November 16—Lincoln County Association, Sylvan Grove, Kan.
- November 19—Dickinson County Hereford Association, Abilene, Kan.
- December 9—Woody Hereford Ranch, Barnard, Kan.
- December 9—The South Central Hereford Association, Newton, Kan. Phil Adrian, Sale Manager, Moundridge, Kan.
- December 10—South Central Hereford Association, Hutchinson, Kan.
- December 13—John Stump & Son, Bushton, Kan.
- Polled Hereford Cattle**
October 22—Midwest Polled Hereford Sale, Deshler, Nebr.
- December 12—Kansas State Polled Hereford Association, Hutchinson, Kan.
- Holstein Cattle**
September 9—H. Crowl and Nelson Brothers, Manhattan, Kan. Elmer Dawdy, Sales Manager, Salina, Kan.
- September 28—Ernest and Paul Selken, Smithton, Mo.
- September 30—Young, Quinn, Schneider Bros. and Dawdy consignment sale, Abilene, Kan.
- 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.
- November 9—Central Kansas Holstein sale, Abilene, Kan. E. A. Dawdy, Sale Manager, Salina, Kan.
- November 14—North Central Kansas Holstein Breeders' Association, Washington, Kan. Edwin H. Ohlde, Palmer, Kan.
- Jersey Cattle**
June 20—Isern and Knop, Ellingwood, Kan. Ivan N. Gates, Sales Manager, West Liberty, Ia.
- October 20—Kansas State Jersey Sale, Manhattan, Kan.
- Red Poll Cattle**
October 18—Tri-State breeders sale, St. Joseph, Mo. Jerry B. Vyrostek, Sales Manager, Weatherby, Mo.
- Shorthorn Cattle**
October 25—Mid-Kansas Shorthorn Sale, Salina, Kan.
- October 26—Carl Retzliff, Walton, Nebr. Sale at Lincoln, Nebr.
- November 3—Central Kansas Shorthorn Breeders Sale, Beloit, Kan.
- November 7—Kansas Polled Shorthorn Sale, Hutchinson, Kan. State Fair Grounds. Lot F. Taylor, Sale Manager, Manhattan, Kan.
- November 8—Kansas Shorthorn Breeders Sale, Hutchinson, Kan. State Fair Grounds. Lot F. Taylor, Sale Manager, Manhattan, Kan.
- November 12—E. C. and Glen Lacey, Miltonvale, Kan. Sale at Clay Center, Kan.
- Milking Shorthorn Cattle**
November 2—North Central Kansas Milking Shorthorn Breeders, Salina, Kan.
- Chester White Hogs**
October 11—Roy Koch, Bremen, Kan. Sale at Marysville, Kan. (night sale)
- Duroc Hogs**
October 22—North Central Kansas Duroc Sale, Belleville, Kan.
- Hampshire Hogs**
July 30—O'Bryan Ranch Hiattville, Kan.
- October 28—R. E. Bergsten & Sons, Randolph, Kan.
- Poland China Hogs**
October 13—C. R. Rowe & Son, Scranton, Kan.
- October 14—J. J. Hartman & Son, Elmo, Kan.
- October 19—Bauer Bros., Gladstone, Nebr. Sale at Fairbury, Nebr.
- October 22—Kansas State Poland China Sale, Ray Saylor, President, Manhattan, Kan.
- Hampshire Sheep**
July 30—E. B. Thompson Ranch, Milan, Mo.
- August 3—Northeast Missouri Breeders Sale, St. Joseph, Mo. F. B. Houghton, Secretary, care of State Teachers College, Warrensburg, Mo.
- Southdown Sheep**
July 25—Missouri State Breeders' Association Show and Sale, Hamilton, Mo. Carl Roda, Secretary, Trenton, Mo.
- Sheep—All Breeds**
June 24-25—Midwest Stud Ram Show and Sale, Sedalia, Mo. Rollo E. Singleton, Secretary, Columbia, Mo.
- August 5—Nebraska Sheep Breeders, Fair Grounds, Lincoln, Nebr. M. A. Alexander, Secretary, Lincoln 1, Nebr.

Good Jerseys

The herd of registered Jersey cattle owned by John Weir, Jr., of Geuda Springs, has completed a year's work in official Herd Improvement Registry testing with an average production of 8,287 pounds milk and 440 pounds butterfat to the cow. The herd contained an average of 16 milking cows during the year.

Beef CATTLE



WARRINGTON'S HIGH PLAINS IMPROVED SHORTHORNS

Out where the altitude is more favorable they grow faster and thicker. In service Champion Edelyn Campeon Mercury. We offer choice bulls for heavy service and calves that will grow into real herd bulls. Also females of different ages. Representatives of the best blood the breed affords.

ALVIN T. WARRINGTON
Leoti (Wichita county), Kansas

OFFERING FOUR REGISTERED SHORTHORN BULLS

weighing 500 to 700 lbs. Good quality and breeding. Thirty years of showing. Reasonable Price.
NELSON BROS., Colony, Kansas

REGISTERED POLLED SHORTHORNS FOR SALE

7 bulls of serviceable age reds and roans. These bulls are sired by Gold Gloster and he is by Gloster Dale. At this time we would also sell some very good cows just fresh.



BOOKER & PETERSON
Beloit, Kansas

REG. HEREFORDS FOR SALE

Domino Breeding
2 Mature Bulls, several cows and calves, also yearling heifers. All priced reasonable.
GREEN FARMS, White Cloud, Kan., Tel. 93

Walnut Valley Reg. Herefords

Bulls and heifers of correct Hereford Type, strong in WHR breeding. Few outstanding herd bull prospects. Sired by O. J. R. Jupiter Star 12th. 5 bred and 10 open heifers.
WAITE BROS., Winfield, Kansas

THE TREND IS TOWARD ANGUS

Demand for Angus cattle continues at strong, but sound levels. Everywhere the trend is toward the Blacks. Generations of selective breeding produced today's modern breed. Share in this premium market by breeding and feeding Aberdeen-Angus. For information write: Dept. KF, American Aberdeen-Angus Breeders' Association, Chicago 9, Illinois.



ANGUS CATTLE FOR SALE

Angus foundation herd and steers for 4-H Club work. Also individual Angus heifers and bulls. See CLIFF HENRY, Glenwood Angus Farm 69 Highway and 95th St., Kansas City, Mo. Phone Melrose 9776

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July 2 Will Be Our Next Issue
Ads for the Classified and Livestock Section must be in our hands by **Saturday, June 25**
If your ad is late, send it in Special Delivery to 912 Kansas Ave.

Livestock Advertising Rates
1/4 Column inch (5 lines) \$3.00 per issue
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Publication dates are on the first and third Saturdays of each month. Copy for livestock advertising must be received on Friday, eight days before.
JESSE R. JOHNSON, Livestock Editor
MIKE WILSON, Fieldman.
Kansas Farmer - - Topeka, Kansas



FARM NEWS-GRAPHIC

A picture review of successful farming brought to you by the Standard Oil Company



Cow is Held Still while nursing a show-calf at Davisdale Farms, Booneville, Mo. While chain holds cow's hind feet, a fixed stanchion holds her head. Long row of stanchions can be closed all at once by a sliding attachment operated from one end. Combing calf is Manager Earl Babbitt, who runs 7 tractors, 4 cars, 4 trucks on Standard Red Crown Gas... says Red Crown gives quicker warm-up and more power than other gasolines.



"Mr. Cotton"—that's what the St. Louis Globe-Democrat calls C. H. Acom of Wardell, Missouri, one of the biggest cotton growers in the state. Mr. Acom—who is also a leading soybean producer—reclaimed most of his 25,000 acres from waste. He is active in road building, in drainage development, in cotton and soybean research. He has been a Standard Oil customer for 25 years.



Third Generation of famous sheep raisers is Will McKerrow, of Pewaukee, Wisconsin, shown with prize Shropshire. Will keeps 3 tractors busy and in trim with Permalube Motor Oil. Recently Will gave one engine a minor overhaul. "I knew Permalube was tops for lubrication," Will says, "but I was amazed at how clean it kept my engine! No sludge, no carbon at all!"



A New Litter, raised in brooder made from old barrel, is notched by Edd Knell of Carthage, Mo. Edd sold 500 Duroc hogs last year in 30 states. He relies on strict sanitation—as well as selective breeding, feeding and weeding—for raising high-profit pigs. For his tractor, truck and car he relies on Permalube Motor Oil. "I like its cleanliness," he says, "and it sure is long-lasting. We've run our truck 40,000 miles and never add oil between changes. What's more, Permalube's thorough protection helps out our repair bills."



No "Duck Soup" is job of raising 120,000 ducks a year, plus 12,000 broilers and 1,000 turkeys. That's what Ova J. Nickell does on his 1,600-acre Great Lakes Duck Farm, Michigan City, Ind. Grows most of his feeding grain, too. Ova's tractors, trucks and cars get lots of use, get lots of mileage on Red Crown Gas. Ova likes Red Crown's power, uniformity and easy starting.



Win \$5.00. Send your farm pictures with descriptions to Standard Oil Farm Photos, 910 S. Michigan Avenue, 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