

APRIL 21, 1945



KANSAS FARMER

CONTINUING MAIL & BREEZE



Alvin, left, and Evan Hoover, Dickinson county, already have bought out their father, A. T. Hoover, as the result of a father-sons partnership started some years ago.



O. E. Danielson and son, Paul, Saline county, are still working out the details of their partnership. Paul will take over full control after the war when his father retires.

FATHER-SON Partnership

...Is the Surest, Fairest Way



THE old problem of how to keep farm boys from drifting away to city jobs never will be solved entirely because there is not enough room on the land for all. But a surprising number of farmers have found that a father-son partnership is the surest and fairest method of holding the boy who really is interested in farming as a career.

There always have been father-son partnerships on Kansas farms but there are indications the trend is growing, and that better working agreements are being formed as more experience is gained.

Flexibility of such partnerships is amazing. There seem to be no set rules among those adopting this practice, with each family working out its own problems. The only practice common to most is for the father to hold ownership in the land. From there on the arrangements are as diversified as the people who make them. Some operate on a strictly 50-50 basis, while in others one or both of the partners will have certain farm projects outside the partnership. But in all cases interviewed the boys were better satisfied than when working for wages and usually were getting the best end of the partnership.

The big fault with most existing father-son combinations is lack of written contracts. Nearly all such partnerships are of an oral nature, which usually is sufficient between the boy and his father, but which leaves a lot of room for misunderstanding among in-laws.

Advantages of the father-son combinations are many but the principal ones are that they insure the boy sticking to the farm, encourage a long-time soil- and building-improvement program, allow the son to accumulate stock, equipment and working capital, give him the goal of final ownership of the farm or one of his choosing and, finally, provide a family relationship no city family could possibly attain.

Most father-son partnerships stem from

4-H Club activities of the boys, who are encouraged in early projects, learn self-reliance and management, and become eager for a share in the entire farm program. Without exception, the father must make an initial sacrifice of a certain share of the profits and use of machinery to give the boy his stake. But this advantage given to the boy at the start is repaid later when the father becomes too old to do much of the work but still retains his share of the profits.

Clark Sierman, of [Continued on Page 18]



F. R. Fry and son, Howard, Dickinson county, worked into a full partnership over a period of years. Mr. Fry gave Howard the profits from 3 acres as an early start toward full responsibility.



Art Cole, Shawnee county, shown here with his younger son, Wilbur, believes a partnership is the only method of keeping farm boys in the business. He expects an older son, Lawrence, to join them after he comes back from the armed services.

One way to meet
**TODAY'S
 FARM LABOR
 DROUGHT**

GOODYEAR
Sure-Grip
O-P-E-N C-E-N-T-E-R
 self-cleaning
 tread

plus "Solution 100"
 — world's greatest work team for tractors and implements!



WITH farm labor growing scarcer every day, you must get every ounce of work from your tractor to meet today's increasing crop needs.

And you can, with Goodyear Sure-Grips and "Solution 100"—world's greatest work team for tractors and implements!

Alone, Goodyear's great Sure-Grip tractor tire with self-cleaning *open center* tread gives you more traction and greater drawbar pull with less slip; less time and fuel consumed. Tests by impartial farm experts prove that!

But with "Solution 100" you get even greater efficiency from Sure-Grips. For this amazingly simple Goodyear method of filling tubes 100% with calcium chloride solution instead of air, puts much more weight on your tractor to increase greatly traction and drawbar pull.

And that's true of any tire. "Solution 100" gives any tractor tire more traction and efficiency, with longer life for all tires!

See your Goodyear farm tire dealer now for this 100% liquid filling "one-shot" service which boosts the work output of any tractor. Takes less than 30 minutes for the largest tire size—and the cost is low. Better get it done now for your big work season.

8 BIG ADVANTAGES WITH "SOLUTION 100"

- 1. MAXIMUM TRACTION**—less slip, more pull, with less fuel.
- 2. MORE WORK, LESS EXPENSE**—saves tire, tractor and equipment wear, gets more work done per hour.
- 3. CONSTANT INFLATION, NO PRESSURE LOSS**—provides maximum performance because tires remain properly inflated the year round, in storage or in use; nonfreezing.
- 4. PRESSURE BUILDS UP AS LOAD INCREASES**—provides automatically adjusted pressure for varying loads.
- 5. INCREASED DRAWBAR PULL**—as much as 500 lbs. more without using wheel weights.
- 6. MORE COMFORT, LESS BOUNCE**—maximum weight cuts rebound, reduces bounce, provides smoother riding, less fatigue.
- 7. LONGER TIRE LIFE**—tread wear is *much less* because of minimum slippage, constant correct pressure.
- 8. LESS CARE AND ATTENTION NEEDED**—eliminates need to check and inflate tire frequently and to change pressure for various jobs.

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

GOODYEAR

THE GREATEST NAME IN RUBBER

Uncle Sam Says...

Vaccinate Cattle

The Bureau of Animal Industry has given permission to licensed biological supply houses to recommend use of brucellosis vaccine (prepared from Brucella strain 19) under certain conditions, for adult animals as well as calves.

List All Charges

Authority has been granted OPA to require repair shops doing hourly charge work on household appliances, automobiles and farm equipment, to give detailed invoices in all cases, and to keep detailed time records for checking by Government officials.

Payments Due

Starting April 1, milk producers could file applications with county AAA offices for dairy payments due for the first quarter of 1945, and may have thru May 31 to qualify. Quarterly payments to save costs will be the rule. A report from Washington states the April cut of 35 cents a hundred pounds in the milk payment has been postponed until May 1.

More Prisoners

Up to 70,000 war prisoners were used in agriculture work last year, states WFA. This year an additional 100,000 German prisoners will be brought to the U. S. and a substantial percentage can be employed on farms, it is said.

Auction Sales O.K.

It has been ruled that livestock auction sales may be held without necessity of applying for a permit if all animals are shown for the purpose of actual sale. Display and grading of animals prior to sale is permitted. But display of equipment, supplies and accessories at livestock sales requires application for a permit, and will be authorized only if the exhibitors are drawn solely from the city and suburbs where sale is conducted, or from within the normal local trading area. Meetings held in connection with livestock sales require permits if more than 50 persons from outside the local area attend.

More Ties Maybe

A step-up in production of wire bale ties is being considered and establishment of a small reserve of nails has been advised. Nearly all merchant trade products are in tight supply, with particular emphasis on wire nails, bale ties, galvanized sheets, roofing, and poultry netting.

Scrap Shortage

Stocks of heavy melting scrap have dropped to dangerously low levels and inventories now are down to 1942 levels, says WPB. Mill scrap requirements are about 2 million tons monthly, but supplies are running 250,000 tons short.

Senator Capper on Radio

Every Sunday afternoon at 4:45 o'clock Senator Arthur Capper discusses national questions over WIBW radio station.

KANSAS FARMER

Continuing Mail & Breese

Topeka, Kansas

Vol. 82, No. 8

ARTHUR CAPPER Publisher
H. S. BLAKE General Manager
 Raymond H. Gilkeson Editor
 Dick Mann Associate Editor
 Cecil Barger Associate Editor
 (On Leave—Army)
 Florence McKinney Women's Editor
 Dr. C. H. Lerrigo Medical Department
 James S. Brazelton Horticulture
 Mrs. Henry Farnsworth Poultry
 Jesse R. Johnson Livestock Editor
 J. M. Parks Protective Service
 Roy R. Moore Advertising Manager
 R. W. Wohlford Circulation Manager

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

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

Five years, \$1; one year, 25 cents.

Important Job To Ljungdahl

NEW Extension beef cattle specialist at Kansas State College is P. W. "Phil" Ljungdahl. He joined the college Extension service staff the day after his graduation from Kansas State in May, 1936, and is J. J. "Jerry" Moxley's successor. Mr. Moxley resigned in January to devote full time to his purebred Hereford herd in Morris county. He had been with Extension service as beef cattle specialist 20 years.

Mr. Ljungdahl comes to the college staff from Chase county where he served as county agent from April,



Phil Ljungdahl

1939, until now. In this county, which is about 85 per cent grassland, livestock is the major farm enterprise. He previously had worked as agent in Seward and Gray counties.

A son of William Ljungdahl, widely known Kansas stockman and now state chairman of the Commission of Revenue and Taxation, and Mrs. Ljungdahl, "Phil" has an extensive livestock background, beginning with 4-H Club work. He exhibited the champion 4-H steer at the Kansas Free Fair in 1925. His entry was champion at the Wichita Fat Stock Show back in 1932. While a student at Kansas State College he was a member of winning livestock, meat and dairy judging teams, and president of the Agricultural Association and the Block and Bridle Club. Ljungdahl was married in 1940 to Mary Goddard, of Ingalls.

Must Have Fruit

A small, but ample fruit orchard, is considered a "must" on the farm of Mr. and Mrs. Dave Brown, Ottawa county. They have 25 peach trees, 4 cherries, 10 grape vines, 2 apple trees, 1 yellow plum, and 1 pear. Two of the cherry trees are of bearing age. Most of the peach trees and the grapes are just starting to bear.

The Brown program for maintaining a small orchard is to plant from 2 to 4 trees a year.

Saves the Color

A research discovery at Kansas State College will help to stabilize dehydration of sweet potatoes and insure continuance of this outlet to Kansas growers. The discovery is that treating sweet potatoes with a solution of 1/2 of 1 per cent of sodium bisulfite before blanching will result in retaining the bright color of the product.

The experiment was carried out after certain lots of Kansas sweet potatoes dehydrated by a Topeka company were rejected by the Army because of their discoloration.

Raises Winners

A 110 per cent lamb crop from more than 270 ewes was achieved last winter by Merle Magaw, of Cloud county. Most of his lambs came in December and early January and will be marketed before June 1. His wool crop ranged from 8 to 15 pounds to the ewe.

Proof that he raises good lambs was indicated last year when his 2 pens took 1st and 4th at the St. Joseph Lamb and Wool School, and another 2 pens took 2nd and 19th at the Kansas City show.

ROUND-THE-CLOCK WORK SCHEDULES



Industry meets them safely—SO CAN YOU! Put this factory-proved maintenance system to work on your farm!

QUALITY FUELS AND LUBRICANTS TO HELP YOU KEEP COSTS DOWN

Mobilgas—For powerful, thrifty performance in your tractor.

Powerfuel—Quick, starting, clean burning, economical tractor fuel.

Mobiloil—World's largest selling motor oil for tractor, truck or car.

Mobilgrease—A specialized type for every grease lubrication problem.

Mobiloil Gear Oil—Protect vital and costly gears—drain winter-worn oils—refill with correct grade for summer.

Mobil Upperlube—Peps up your motor by freeing up sluggish valves and rings—helps maintain compression.

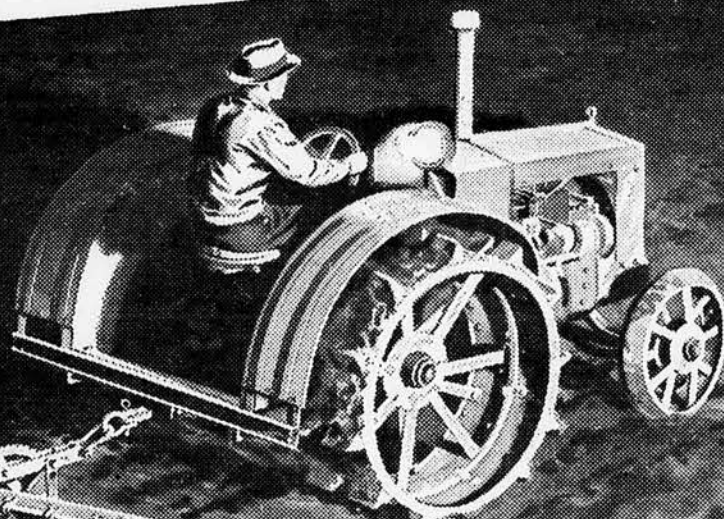
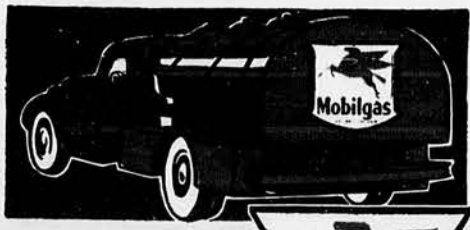
LET ME HELP YOU WITH YOUR SPRING LUBRICATION PROBLEMS



WHEN YOU'RE WORKING long hours to "beat the weather"—and on top of that, you're working extra acres with less help—you can't take chances with bearing failure or breakdowns.

To help guard against "time-robbing" trouble, Socony-Vacuum has a proved farm system based on the same tested maintenance methods that save man-hours and repairs in war plants. Saves your time—helps lower costs per hour of operation.

Ask your **Mobilgas-Mobiloil Man** about this specialized system that eliminates guesswork—shows exactly the right lubricant for every part of every machine you operate. Let him put it to work for you! Socony-Vacuum Oil Co., Inc.



FOR A COOLER, MORE EFFICIENT MOTOR

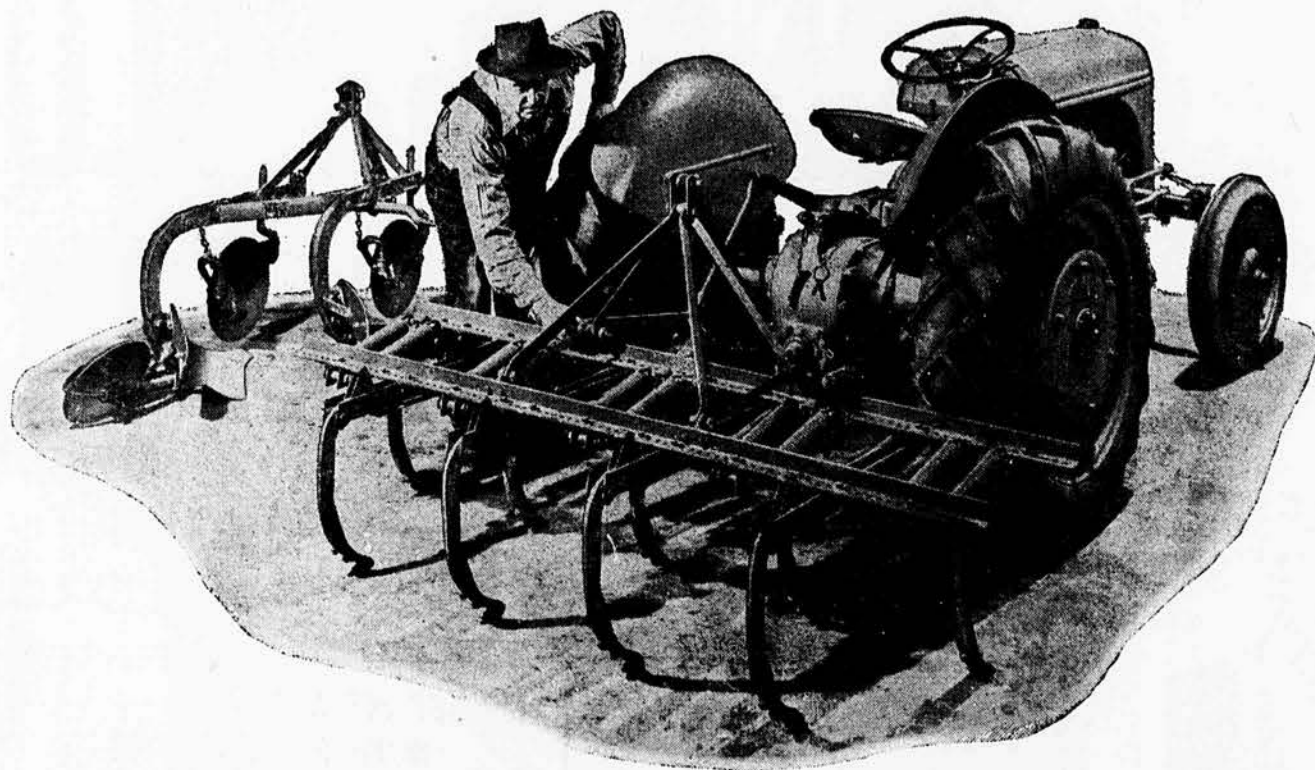


Overheating retards motor efficiency, robs power and can damage the engine. Cleanse your tractor cooling system this quick, easy way.

MOBIL RADIATOR FLUSH—Removes rust, scale, grease and dirt—emulsifies them so that they drain off easily—leaves the cooling system clean.

MOBIL HYDROTONE—Added to fresh water after flushing it helps maintain cooling system efficiency—prevents rust, corrosion and scale formation.

Mobilgas • Mobiloil



A CAREFUL LOOK NOW

will save you hundreds of hours later on

When the day finally rolls around on which you can buy new power equipment for your farm, you will be investing a good many long hours of work in its purchase.

You will be willing to invest those hours only because the help of this new equipment will enable you in the same number of hours to earn greater returns.

Thus, how this machinery is designed to save your time is one of the most important features to look for. You should not only consider how much work a tractor will do in the field, but also *how long it takes you to get it ready before it can go to the field.* That's why we say, "A careful look now will save you hundreds of hours later on."

Take a careful look at the Ford-Ferguson Tractor and Ferguson Mounted Implements. These implements attach to the tractor at three points and in a minute or less. You don't use a wrench; there are no nuts to

tighten and no parts to lose. Just back the tractor to the implement, slip its three links onto the implement, fasten them with steel pins that are chained in place and drive off.

Think what this feature means in the middle of the growing season when you cultivate one day, use the tractor for something else the next and then go back to cultivating the following day. Think how much better

off you will be with this revolutionary farming machine than one that would require perhaps a full day of your time in just getting implements off and back on again.

This is just *one* exclusive feature of the Ford-Ferguson Tractor and Ferguson Implements. See your Ferguson Dealer and take a careful look at all the other features he will show you.

FERGUSON IMPLEMENTS FOR EVERY CULTIVATION NEED

N-KO Cultivator: Rigid tines, easily spaced to fit all kinds of row crops. Attaches in a minute or less.

S-KO Cultivator: Spring tines recommended for rocky soils, easily spaced. Attaches in a minute or less.

L-KO Cultivator: Is designed for listed row crops. Throw-discs easily changed to move dirt away or toward rows. Same attachment as two models above.

Weeder: This 13 $\frac{1}{8}$ " weeder cultivates 50 acres per day. Attaches in a minute or less. Hydraulically operated.

Tiller: Ideal for orchard cultivation and for pasture rejuvenation. Special teeth available for different operations. Finger tip controlled. Attaches in a minute.

*The only Tractor
that Automatically
Changes its 'Weight'
to Suit the Job.*



See your Ferguson Dealer for complete information on these and other Ferguson Implements

HARRY FERGUSON INC. • Dearborn, Michigan

The Ford Tractor with Ferguson System and Ferguson Implements

Hobby? Pastime? Diversion? Ambition?

Activities That Add Lively Punctuation to Daily Living

By RUTH McMILLION

BECAUSE they work, think and live close to the soil, rural women often become outstanding individuals. Earthly environment seems to induce meditation, and arouses imagination, until by and by dormant abilities frequently spiral into specialized talents, or mellow into worth-while hobbies.

Whenever I think of hobbies I think of 4 women, all wives of farmers and stockmen, whose activities make lively punctuation in the commonplace story of farm life. They are Mrs. Ray Cleaver, of northern Clark county; Mrs. Clarence Lynch, of near Minneola; Mrs. Paul Randall, of near Sitka; and Mrs. John Stephens, of Ashland.

Altho these 4 women all pursue different interests, one feature is characteristic of all. Their homes are their careers and unto these homes are added those certain refinements that set them apart. Each dwelling is an inducement to gracious living; comfortable, attractive and hospitable. Well-kept yards form a corridor leading to a more pleasant and abundant life.

A 960-acre wheat farm is the home of Mrs. Ray Cleaver, whose numerous talents have led her down many "hobby lanes." One entire winter she read about and studied spices. Another she spent in becoming familiar with the qualities of good china. One year she engaged in making hooked rugs, several others in knitting, and includes charcoal sketching among her interests. An excellent hand printer, she often is kept busy making cards and invitations for individuals and groups. One year she printed the menus for the senior breakfast, using Old English style. Too, she is known for her beautiful and professional-like cake decorations.

Entertains the Children

But all of these are minor hobbies that serve to brighten her life and the lives of her friends. Her main interest, aside from her home, is making puppets and in putting on marionette shows for children. No Christmas play, religious or civic program is complete without an appearance by these famous little marionettes. They are used instructively, too, for introducing children to the classics, for first-aid demonstrations, and in many other ways.

These little entertainers are made by Mrs. Cleaver, who also designs their clothing and determines the character of each. Their heads are molded of Craytonite; the bodies made of unbleached muslin, cut and stuffed like dainty rag dolls; the arms and legs of wooden doweling connected by joined screw eyes, and padded for shape if not covered by clothing. The feet are carved of wood with sheet lead nailed to the bottom or are molded entirely of lead, as the feet must weigh at least 5 ounces each or the puppet will lose its balance. The tiny hands are of felt, each little finger bent in different attitudes and shapes to bring out the character and mood desired.

This is only the beginning. There are the stage, curtains, playlets, and all, but when each winsome tiny creature is brought forth, old and young alike sit back for real enjoyment, which more than repays Mrs. Cleaver for her time and trouble. "Puppeteering" calls not only for ability to manipulate the tiny figures, but for ingenuity in plots and in mimicry of the various characters. It is a fitting hobby for her diversified talents.

Started 8 Years Ago

Turning her yard and garden into an ornamental proving ground for a state experiment station has given Mrs. Clarence Lynch a real hobby, and has turned this farm yard on the plains into a verdant bit of Eden surrounded, as it is, by a 720-acre wheat farm.

Mrs. Lynch started her rural nursery experimental project 8 years ago thru the encouragement of a county extension agent and her farmstead now is prolific with shrubs, trees and flowers. She has lovely delphinium, choice iris, chrysanthemum, tulips, narcissus, waterlilies and roses. There are spirea, pansies and fern, numerous trees, and a strawberry patch.

In her lawn are several kinds of

grass; different locations requiring seeding of a different specie. She has learned how to water and when, what fertilizer is best and where it should go, which is too strong, and how much to apply. She is a member of the local, state and national garden clubs and constantly strives for improved varieties of stock.

Ornamental yard beautification has not kept Mrs. Lynch from devoting a great part of her love and energy to her 5-year-old adopted daughter, Karen Sue, and to the many tasks on the farm. The Lynchs milk 15 cows and Mrs. Lynch raises chickens, cooks for harvest and extra men, and fre-

quently fills in on the combine, tractor, or binder if the occasion demands.

Mrs. Paul Randall, wife of a cattleman, has unusual ability in the field of art. Altho automatically a domestic co-operator with her husband in operating their 1,300 acres of land, her oils, pastels, and pencil sketches have be-



Mrs. Clarence Lynch, Minneola, turned her yard and garden into an ornamental proving ground. It's a verdant bit of Eden.



Mrs. Paul Randall, Sitka, has unusual ability in the field of art. Her friends expect her to contribute to lasting Kansas art.



Mrs. John Stephens, Ashland, looked around for something more she could do for other people. She found it, as many servicemen and their wives will testify.

Ashland, and this ability could become a full-time job if she desired to make it one.

Being the wife of a stockman means early and late working hours, extra men to feed and, in her case, the care of 2 young sons. Her art is nurtured by inspiration but too often that inspiration comes amidst a gargantuan ironing, or is drowned in a dishpan of suds.

Her young sons fail to appreciate her ambitions. Recently, while she was engaged in kitchen work, her 2-year-old happened upon one of her patiently drawn pencil sketches and happily added his own improvisations before mother could ease the pencil from his eager hands. After endeavoring to erase the lines indelible on the portrait she resumed her work. Two persistent tears silently rolled from her cheeks.

Painting is not Mrs. Randall's only hobby. She is a member of a woman's trio much in demand thruout the country and spends much time on new arrangements and practice. She is an ever present and dependable church worker, belongs to 2 study clubs, and this year is president of the Community Y. W. C. A.

After the war she plans to study art at Taos, New Mexico, the home of the famous Art Colony, and seat of Harwood Foundation and the Taos School of Art. As the years go by her friends expect Mrs. Randall will have much to contribute to lasting Kansas art.

"Mothering" is the hobby of Mrs. John Stephens, whose role as the mother of 4 children has not dimmed her love and consideration for those outside her family circle. The Stephens family spends the winters in town because of the school facilities, moving every summer back to the 3,700-acre ranch for the harvest season.

Two years ago Mrs. Stephens looked around for something more she could do for other people and then remodeled the third story of their spacious town home into a servicemen's apartment. Servicemen, their wives, or anyone else who has an occasion to spend a few days in the vicinity of Ashland, may enjoy the hospitality of the Stephens apartment, plus the heartwarming concern of Mr. and Mrs. Stephens, just for the asking.

Guests by the Dozen

Hardly a week passes that some serviceman is not a house guest at the Stephens home. Mrs. Stephens, an ardent church worker, never misses Sunday school or church. Occasionally, when her son, Lieutenant Jack Stephens, was able to get home from his instructor's job at the Garden City Air Base, he generously played host on week ends to other members of the Air Corps. It was not uncommon for Mrs. Stephens to have from 12 to 14 guests on Sunday. During the Christmas vacation 18 persons enjoyed the "mothering" of Mrs. Stephens.

So much company would be more

(Continued on Page 17)



Mrs. Ray Cleaver, Clark county, is a person of many talents, but one of her most interesting is "puppetry" which she demonstrates here. Photo by Pike.



THE Nation and the world were shocked last week by the announcement of the death of President Franklin D. Roosevelt. The United States and the United Nations lost a courageous and resourceful leader. He will be missed in the world councils. He lived long enough to see victory assured for the United Nations; just missed seeing the collapse of Germany.

Franklin D. Roosevelt was the only man ever elected four times to the Presidency of the United States. It is with no disrespect to his memory, nor to his motives in seeking and obtaining the powers that he obtained and used, that I express the hope that he also was the last man elected for more than 2 terms to that high office.

The name of Franklin D. Roosevelt will go down in history as one of the outstanding figures of all time. It is such men who write the stirring pages of history; who change the course of thinking and events; who bring new world orders into being. We may not see another like him for a long time to come. And, also, he was one of the most likable men I have ever known—and I have known many.

The conduct of the war to a successful conclusion will go on much the same, despite his death. President Harry S. Truman, of Missouri, will lead this Nation thru the closing months of the war, and well into, if not thru, the critical reconversion period.

While President Truman does not have the fiery genius, the self-assurance, and the daring to experiment with and make basic changes in laws and customs and government that President Roosevelt had, those of us who have worked with him in the Senate the last 6 years have confidence that he will carry on in the public interest, and that he will promote good teamwork between the Executive and the Legislative branches of the Government, and among our people. He will have my earnest support in the trying times ahead of us, and may God guide his head and hands and heart during a most critical period in our history.

I was much disturbed a few days ago when it was announced officially that Secretary of State Stettinius, at the conference of American republics at Mexico City last month, had promised Chilean representatives that this Government will discontinue commercial operations of its synthetic nitrogen plants after the war to prevent competition with the Chilean nitrate industry.

These synthetic nitrogen plants, like the one near Pittsburg, Kan., could produce ammonium nitrate for farm fertilizers after the war. And I believe that some of them should be used for that purpose. There is need for more fertilizer, and at better prices, than the existing fertilizer industry and Chile can supply economically to meet the requirements for fertilizer, which will be much heavier than in the past.

I have written Secretary Stettinius, expressing my disturbance over the announcement. I asked him why this commitment was made, and by what authority. Was the Department of Agriculture consulted? Were members of Congress from the farm states consulted? Were farm leaders consulted? Were the interests of the Nation in soil conservation consulted?

I also called attention to a report from the Interbureau Committee on Postwar Programs (De-

partment of Agriculture) published last fall, strongly urging utilization of the government synthetic nitrogen plants after the war. This report stated that the United States ought to be prepared to supply 1,200,000 tons of fixed nitrogen annually for civilian use. Plants with a combined capacity of at least 300,000 tons annually should be converted to meet these needs. Conversion of some of these plants for the production of granular ammonium nitrate should be started as soon as possible. These are the recommendations of the interbureau committee.

We are going to need more fertilizer, and cheaper fertilizers, from now on. These plants, on which the Government has expended some \$200,000,000 can help meet that need. The most economical producers among them should be sold under the terms of the contracts made with the present operators; the others could be held in stand-by position against future needs. Secretary Stettinius has promised me an explanation of the action taken.

How Many Farmers?

I KNOW that all-time records of wartime food production have changed the farm picture for a great many folks. I have been asked numerous times by farmers, big business men, little business men and professional people, just how many farmers we will need after the war. They have in mind that fewer farmers than ever in recent years, are producing more food than at any other time in history.

If so few farmers can do so much now, they ask, what chance is there after the war for all who wish to farm? For farmers now on the land; for a new generation; for returned servicemen?

Now this question is exactly the reverse of the once popular idea that there would be places on farms for millions of returning fighting men and war workers. I might say it is typical of the way we do things in America. We swing from one extreme to the other. In this case, many folks, not farmers, thought there would be farms for everybody; a fine idea it seemed in our first hopes of victory and war's end. However, after seeing the recent tremendous production with far less than normal farm help, the trend of thinking jumped to the other conclusion; that there will be very little chance for a back-to-the-farm movement.

Obviously, only time can give the correct answer to that question. But I know right now, as you do, that the answer will not be found at either extreme end of thinking. It will be found some place in between. On the one hand there couldn't be an unlimited number of farms for people. There now are only around 6 million farms in the entire United States. About 2½ million of these are not family-supporting farms. Some are part-time places occupied by folks who work at other jobs for most of their income. Too many of them, unfortunately, are occupied by "marginal or subsistence" farmers who live at a very low economic

level. Official records show that about 3 million of our present farms produce about 90 per cent of our marketed farm produce.

Further expansion in number of farms depends on two things—dividing existing farms into smaller units or bringing more land into production. Use of tractors and other efficient equipment will make it possible to farm smaller tracts intensively and provide a good living, just as surely as

mechanization will continue to enable one man to farm larger acreages. It is something that works both ways. When it comes to bringing more land under cultivation, there are perhaps 30 to 40 million acres that could be put into condition for farming. Much of it is in Western states where it would be irrigated; some is low land that needs draining; part of the 20 million acres now used for military purposes also may go back to farm land. Still not enough land for an unlimited number of farms.

Most important consideration to my mind, is keeping farmers on the land who know their job. This can be accomplished thru adequate returns for their efforts. Certainly this includes most of the farmers who now are turning out war production records. There will be farms for them after the war. If agriculture is made sufficiently attractive it can hold a good share of the younger generation who will take over as the older heads retire.

As to farms for our fighting men, apparently the number who will want farms at war's end will be considerably under the "farm for every fighting man" slogan. A Bureau of Agricultural Economics survey shows that out of 900,000 servicemen who have definite plans for full-time farming or farm jobs, only one third will be looking for farms; two thirds of them already have definite farms in mind. That would leave 300,000 men searching for farms. However, some of these plan to go back to school for a while first. There are other factors, too, that will reduce the number ready to go farming immediately after the war. I think similar results could be expected from a war workers survey. I feel there undoubtedly will be more people wanting farms than there are good farms available for some time to come. And as long as prices for farm products are good, demand for farms will be strong.

Now that doesn't answer the question of how many farmers we will need after the war. I think we will need all the good farmers we can get. But it does indicate to me that we aren't likely to get very far one way or the other from the present 6 million mark.

I think we need to keep in mind two things that will affect the number of farmers in the future. One is the fact that in the last 4 years the away-from-the-farm movement has more than wiped out the effect of the depression on the trend back to the farm. If industry offers wide opportunities the away-from-the-farm trend might continue. If and when depression hits again, there undoubtedly will be the same heartbreaking rush back to the land.

Arthur Capper

Washington, D. C.

How Food Situation Looks at Present

By CLIF STRATTON

Kansas Farmer's Washington Correspondent

WASHINGTON, D. C.—Perhaps the easiest way to explain some of the things now going on in, and coming out of, Washington is to take the case of the War Food Administration. A year ago, 6 months ago, WFA thinking was to a great extent national in connection with the postwar world. That is, WFA was trying to work out food-production programs to get a maximum production for the war, while at the same time not cause huge unmarketable surpluses of farm commodities in the United States after the wars end.

Now WFA thinks in terms of United Nations, not United States.

Early this month the Senate Committee on Agriculture had up for questioning Lt. Col. Ralph Olmstead, in charge of both procurement and allocation of foods for the WFA. The committee wanted to get information about the food shortage, where prior to November of 1944 there was more talk of postwar surpluses than of war shortages in the food lines.

Colonel Olmstead talked of the "United Nations" food situation; the world outlook. Basic reason for the in-

creasing shortages in prospect for 1945, he explained, may be stated very simply:

"Supplies are down and requirements are up."

Food production in the United Nations, the summary states, has increased substantially over the prewar level. In the United States last year production was one third higher.

World production of meats, fats and oils, eggs and sugar is expected to be smaller in 1945 than in 1944. Produc-

tion of rice and dairy products is expected to continue at high levels. United States and British Empire stocks of scarce commodities will be reduced to the working minimum.

On the other hand, requirements are up, both Allied military requirements and food demands from the liberated areas. All these promises to feed the world, made so freely 2 and 3 years ago, are crowding for fulfillment. The matter is complicated in several liberated countries—probably in most of Continental Europe—by the desire and frequently the insistence, of political groups in those countries to handle the

(Continued on Page 20)

Midwest Needs Boxcars

Eight-Man Delegation to Washington With Plea

FOLLOWING Governor Andrew F. Schoepel's idea, 8 Midwest representatives of combined grain interests will go to Washington, D. C., in the next few days to appeal for more boxcars to move millions of bushels of grain to markets where it can be used, instead of allowing it to rot out in the open. Also, to move other millions of bushels out of the way so anticipated huge 1945 crops will have bin room and adequate shelter.

The present picture isn't too encouraging to farmers, Governor Schoepel indicated. They are asked by Washington to produce record yields this year while watching last year's grain waste away.

With the very bad boxcar supply situation in mind, a meeting was held last week at Kansas City to see what can be done. Schoepel presided during part of the session and urged some 300 present to form a united front in making demands consistent with what we actually need. Back in his office at Topeka next day, the Governor told his press conference he didn't think Washington actually knew how drastic the situation is out here with corn and grain sorghums deteriorating rapidly and big crops in prospect with no place to store new yields.

Here Is the Problem

Midwesterners at Kansas City painted the picture like this:

Farms, country elevators, and terminals are jammed with grain, and some mills are operating on an hourly basis because of insufficient transportation.

Boxcars shipped East are held there, while Washington calls on farmers to produce more food, but some departments deny shipping facilities.

Millions of bushels of grain are rotting in the open, and mammoth new crops will arrive in a few weeks.

Farmers, hamstrung by OPA and other regulations, are unable to feed spoiled grain to livestock they would normally maintain.

Unless cars return from the East, more potential food will be ruined on the ground.

Railroad officials agreed that returning cars from the East to the Midwest is imperative. C. B. Lutz, Topeka, Santa Fe general manager, said his company had only 11.9 per cent of its 26,300 cars suitable for grain on its own lines April 1, and one railroad reported only 5 per cent.

Lutz told of revamping refrigerator and cattle cars to make them serve for grain shipping, said open cars were being used extensively, and declared every expedient is being used to meet the challenge. But, he said, "we have 1,181 elevators on our lines and 225 are already closed."

As the roll of states was called, speaker after speaker told of corn and sorghums going to rot on the ground.

H. L. Collins, Topeka, Federal statistician, declared Kansas will have from 70 million to 80 million bushels exposed to the weather unless grain is moved immediately from farms and elevators to make way for oncoming crops.

He announced a Kansas 1945 winter wheat estimate of 231,557,000 bushels, which "could easily exceed the record crop of 1931," and his summary of

other states in the region were in the same vein.

Colonel Johnson, as head of the ODT, who recently called the Kansas City Board of Trade "presumptuous" for asking additional cars, drew plenty of fire.

"This isn't any name-calling contest," Governor Schoepel said, "but I don't have much use for the short-sighted policies of those who say this problem will work itself out."

Corn is selling as low as 17 cents a bushel in some areas, speakers said, and the situation is continually growing worse.

In Kansas alone, according to Lawrence Norton, of Manhattan, chairman of the State Agricultural War Board, 650,000 bushels of grain sorghums and 2,450,000 bushels of corn are piled on the ground.

A large amount of stored grain is also deteriorating rapidly, several speakers testified.

Cars Are Different

One thing not commonly known is that grain cars used in the East are not tight enough for our use out here. And a very large per cent of our tight grain cars are in the East, many of them doing less-than-carload hauling. Proper discretion in routing these cars would make more suitable cars available out here and save a lot of trouble, the Governor said. He believes the Interstate Commerce Commission and Col. J. Monroe Johnson of the ODT, will see merit in the plea presented by the 8-man commission heading for Washington.

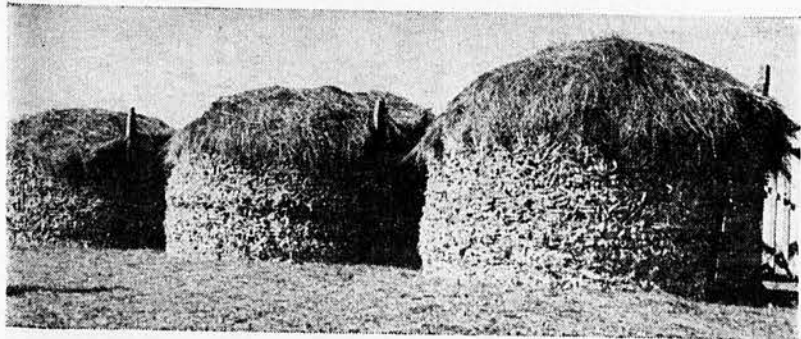
Representing Kansas will be Milton S. Eisenhower, president of Kansas State College, Manhattan. Others include: Ben C. Larkin, member of the North Dakota Public Service Commission, chairman; C. B. Bee, Oklahoma Corporation Commission counsel; Mark G. Thornburg, secretary of the Western Grain and Feed Association of Iowa; R. A. Trovatten, Minnesota Agricultural Commissioner; C. A. Merkle, member of the South Dakota Public Utilities Commission; Aksel W. Nielsen, general manager of the West Central Co-operative Grain Company, representing Nebraska; and John W. Ellis, Missouri Agricultural Commissioner.

Ducks Surprised Them

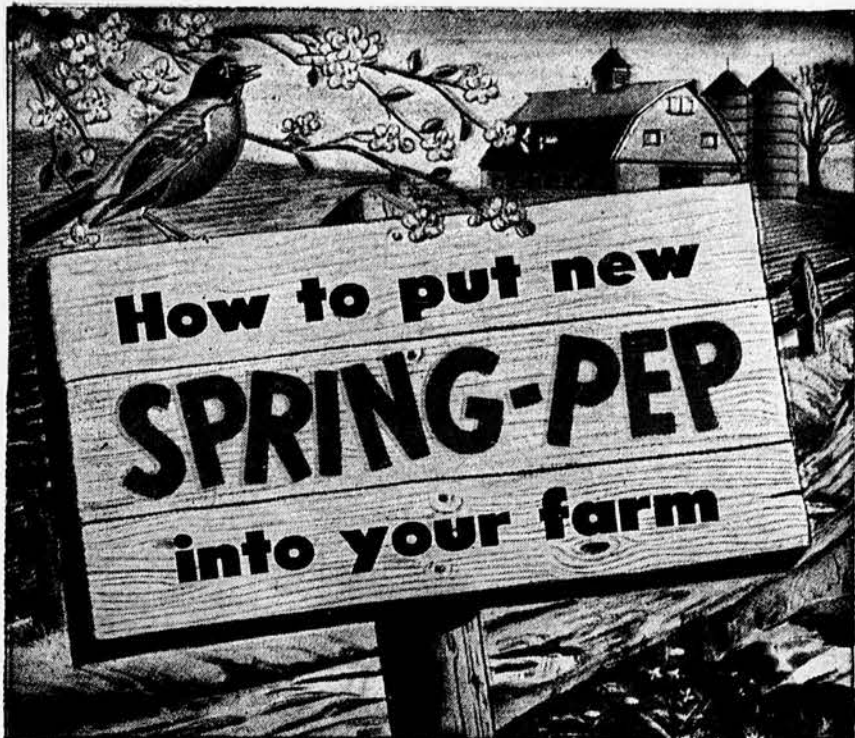
Last fall when a group of 4-H Club youths visited the farm home of Mr. and Mrs. Ernest Windhorst, of Ottawa county, they got the surprise of their lives. While they were standing around out in the yard a nice flock of wild ducks flew down, alighted a short distance off, and proceeded to make themselves at home.

It wasn't until later they learned Mr. Windhorst had hatched the ducks from some eggs he had purchased and put under his hens. He had 48 wild ducks at one time and said they really kept the grasshoppers cleaned up. The project was started as an experiment in raising wild game for food but did not prove successful as most of the flock "went south" when cold weather struck. Only a few remained to spend the winter as guests of the Windhorst family.

Wire Cribs Save Corn



GOOD corn crops in North Central Kansas are not as plentiful as they once were, so when farmers in that area get one they try to take good care of it. Unable to put all his corn in covered cribs, Ernest Myers, of Republic county, filled 4 outside wire cribs but took every precaution to protect them from the weather. He put board floors under the cribs, then topped them with 3 feet of old prairie hay. Quite a few farmers in this area are using that method of protecting their corn and probably will have considerably less loss than those failing to keep their grain out of the weather.



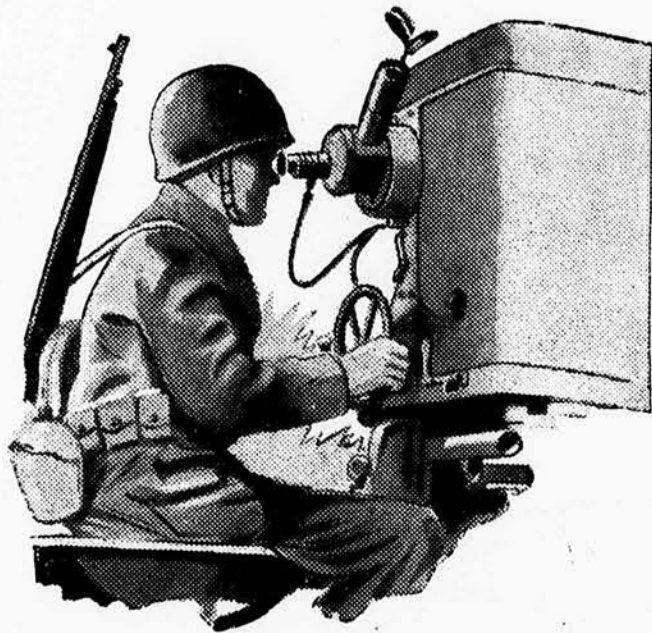
<p>USE THESE...</p>	<p>...ON YOUR CARS</p>	<p>TRUCK and TRACTOR</p>
<p>CISCO SOLVENT</p>	<p>Cisco Solvent cleans engines internally as well as bearings, oil lines and passages... cuts sludge, varnish and gum... helps restore new, stepped-up power. An exclusive Cities Service product.</p>	<p>One quick, inexpensive Cisco Solvent treatment puts new pep in your work engines... cleans out sludge and abrasives from differential and transmission. Helps save costly wear of vital engine parts.</p>
<p>ACME TIRES</p>	<p>Made from the finest synthetic rubber, Acme Tires are scientifically designed for roadability. Broader, stone-proofed treads and heat-resisting features give more mileage at lower cost... they also give more traction for greater safety.</p>	<p>For heavy going in mud and snow... for brute hauling at low speed and high, the Acme Speedmaster will stand-up and deliver. Its 3-in-1 design gives you wonderful service on front, driving wheels or trailers.</p>
<p>ACME BATTERIES</p>	<p>The Acme Milemaster Battery has tremendous power reserve for vigorous farm service... for quick starting, for radio, heater, lights and every electrical accessory on your car. <i>Warranty Bond.</i></p>	<p>The Acme Kathanode is one of the best built batteries in America. Patented spun glass retainer mat provides added insulation. Lifetime construction at lowest cost per mile. <i>Warranty Bond.</i></p>
<p>CITIES SERVICE MOTOR OIL</p>	<p>Made from the finest Mid-Continent crude oils, Cities Service Motor Oils are tops in performance. They seal, cool and lubricate vital moving parts... <i>heat-proved</i> against destructive engine heat.</p>	<p>For your protection Cities Service Motor Oil is heat-proved... subjected to higher degrees of heat at our refinery than it ever will have to experience in the engine of your truck or tractor.</p>

For more help on the care of your equipment see your friendly Cities Service Farm Representative today! He's always glad to serve you.



Cities Service

In Your Community



FROM GUN DIRECTORS TO FARM TELEPHONES



Sharpshooting with anti-aircraft guns seems pretty remote from telephone science—yet Bell telephone research created an “electrical brain” that gives deadly aim to sky-pointing gunners. One gun in Normandy, controlled by the Western Electric gun director, bagged a Nazi plane in only three shots.

The same expert telephone research that developed the electrical gun director has already found new ways to extend and improve farm telephone service. Practical telephone men are busy right now planning how best to use those new ideas.

They'll be ready to go when the war-time telephone job eases up.

SOUTHWESTERN BELL TELEPHONE CO.



Law to Protect Kansas Livestock

KANSAS farmers will be interested in House Bill No. 348, which was passed by the recent legislature, designed to protect Kansas buyers against diseased livestock being brought into the state and sold without a certificate of health.

“The law does not prohibit importation of livestock from other states and is not designed to keep livestock out of Kansas,” said Will Miller, state livestock sanitary commissioner, “but it does guarantee that our office will know the purpose for which any livestock is being brought into the state so that if diseased, it cannot be passed off to Kansas buyers and thus bring infection to Kansas herds.”

In brief, the law states that it shall be unlawful for any person or persons to bring, drive or transport livestock into Kansas, except steers, livestock delivered for sale on a terminal market, livestock delivered for sale to packers or processor for immediate slaughter, and all livestock delivered

to licensed serum plants, without first having such livestock inspected and passed under certificate of health by the livestock sanitary commissioner or some inspector duly authorized, or by the Federal Bureau of Animal Industry, or the state livestock sanitary official of the state of origin.

If livestock, other than steers, is being brought into the state to graze or feed, the sanitary commissioner may at his discretion issue a permit to allow entry without inspection and certificate of health. All shipments and movements of livestock into Kansas upon a public highway shall clear thru ports-of-entry and shall be accompanied by such certificates of health or permits.

Punishment for violation or failure to comply shall be a fine of not less than \$50 nor more than \$1,000, or imprisonment in the county jail for not less than 30 days nor more than one year, or by both such fine and imprisonment.

Average Return Is \$22 an Acre

WITH satisfying regularity D. B. Alison, of Miami county, makes a very nice living by marketing crops from his 160 acres thru livestock. There are only 56 acres of permanent pasture on the farm, so balanced farming, with alfalfa and sweet clover in the rotation, is depended upon to make his acreage support the livestock. He has 21 cows, a good bull that produces calves with natural fleshing, 29 head of hogs, 2 milk cows, 4 horses, and his chickens.

Calves are creep-fed and last year weighed an average of 569 pounds when weaned and turned into the feed lot on November 21. By December 16 they averaged 620 pounds and consumed 9.8 pounds of corn daily plus all the good alfalfa hay they would eat. On January 14 they weighed 690 pounds and had consumed 11.6 pounds of corn daily. By February 14, this year, they weighed 750 pounds average and during the period had con-

sumed 10.9 pounds of corn daily. Some bundle oats were fed during this period and accounts for the drop in grain consumption. All calves are run over the scales each month so Mr. Alison can have an accurate check of their progress. Gains average about 2 pounds a day in the feed lot.

Value of the farm land as measured thru the calf crop is figured by Mr. Alison like this: He charges his cattle program with 103 acres of his farm and figured 4.34 acres last year to produce 750 pounds of beef. This was divided into three fourths of an acre of corn, 1.19 acres alfalfa, and 2.4 acres of pasture. The other 57 acres on the farm pay for labor, taxes and overhead.

Average returns from this farm, marketing entirely thru livestock, are between \$22 and \$25 an acre, says Mr. Alison, on soil that would break him in only a few years of cash crop farming.

Plenty of Work But Worth It

AGROWER of certified seed can do much to improve the quality of a crop, as demonstrated by E. G. Maholland, of Ottawa county, who produces certified atlas sorgo and Pawnee wheat.

When atlas first came into prominence some of the stalks were pithy and lacked sugar content, he says. By examining the stalks while growing, and picking seed from well-formed heads on medium height, sugar-veined stocks, he has managed to develop a crop of sweet-stalked atlas averaging 6 to 7 feet in height, and which has a higher feeding value. His seed hasn't failed to produce 50 bushels an acre in the last 10 years.

On 35 acres of atlas Mr. Maholland will spend 20 days of roguing or eliminating undesirable plants. This work starts just as soon as the plants begin to head and continues at intervals of every few days until the heads are matured.

Looking up at the waving heads of atlas for hours at a time while roguing will make a person just as seasick as being on the ocean, says Mr. Maholland, who finds the job plenty of work but worth while if the grower is to produce the best possible seed crop. He plans to add Buffalo alfalfa to his list of certified crops just as soon as seed is available. Others may follow later.

Cunningham Gets Achievement Award

CLAUDE C. CUNNINGHAM, widely known Kansas farm leader, was chosen to receive the W. G. Skelly Award for Superior Achievement in Agriculture on April 7. He operates 128 acres, and his record in soil conservation, sound farm management, food production, and agricultural leadership is outstanding, according to the committee of Midwest farm leaders in charge of the awards. He is a member of the Kansas State Board of Agriculture, president of the Kansas State Crop Improvement Association and one of the nation's leading grain judges.

Careful soil-building practices have made his small farm unusually fertile, and as a result he concentrates on certified seed crops. This year he expects to harvest 800 bushels of hybrid seed corn, 450 of atlas sorgo seed, 1,500 of blackhull kafir, 3,000 of brome grass and 6,000 of popcorn. Additional production includes 36,000 pounds of milk, some spring lambs, beef, and 75 purebred pigs.

He also serves on the executive boards of the Kansas State Fair, Butler County Farm Bureau and the El Dorado Kiwanis Club, is a 4-H Club leader and formerly was a director of the Howard Production Credit Association and the Butler County National Farm Loan Association, and is a for-

mer member of the Kansas State legislature.

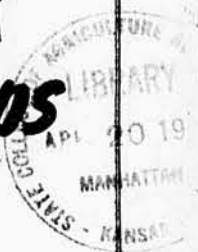
He received the award, consisting of a \$100 War Bond, scroll, pennant and gold lapel button, at a breakfast in his honor at El Dorado.



Claude C. Cunningham



Stands Shock of Braking 2-Mile Drops



Our bomber crews have learned a lesson the hard way.

It's not enough to bail out. Before pulling the rip cord, they've got to drop like a rock, sometimes for miles, to evade enemy planes that try to pick them off like clay pigeons.

Then as the earth hurtles up to meet them, the ring is yanked and . . . WHAM! with a jerk the big umbrella mushrooms out, pulls them up short, lets them down easy.

In that moment of impact, terrific stress is placed on harness buckles and hardware. That's why they always contain Nickel—the tough metal that gives alloys high resistance to shock.

...just as it stands up under everyday shock

Tools of all kinds, particularly those that must take a daily beating, rely on Nickel to help them stand up under sudden impact. In this, and many other ways, versatile Nickel is your "unseen friend" . . . one of the things that serves you every day . . . like the tubes in your radio or the spark plugs in your car.



The International **Nickel** Company, Inc.
New York 5, N. Y.

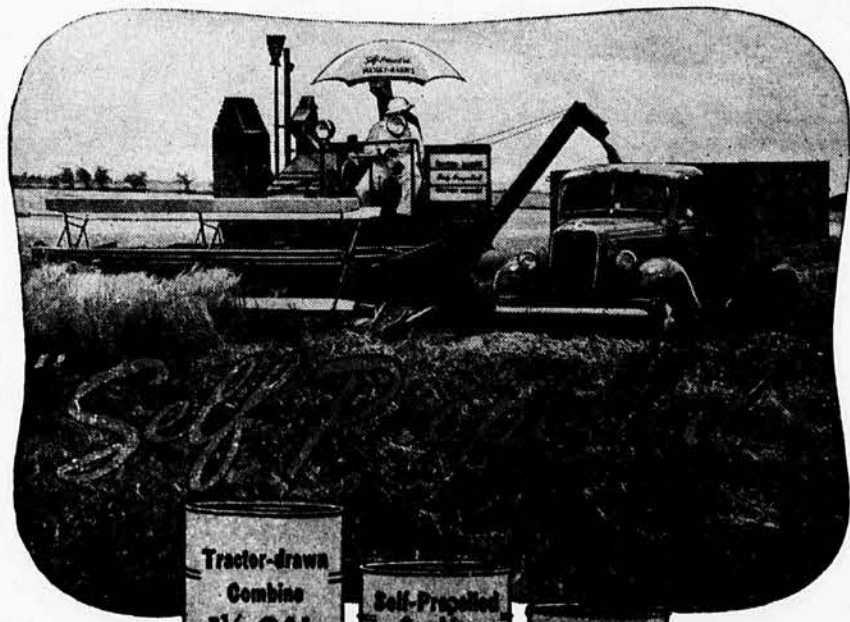
International Nickel—world's largest miners, smelters and refiners of Nickel and Platinum metals...the producers of INCO Nickel Alloys, including MONEL and INCONEL.

**CUT MORE WOOD
TO CUT THE
PAPER SHORTAGE**

THE MASSEY-HARRIS HARVEST BRIGADE

PROVES THAT

You can save 1/2 gallon OF FUEL PER ACRE WITH.....



● Saving half a gallon of fuel per acre is extra cash in your bank account . . . and vital fuel saved for our fighting forces.

In harvesting a million acres, the 1944 Massey-Harris Self-Propelled Harvest Brigade proved that a 14-foot Self-Propelled Combine operated by one engine uses 3/4 of a gallon of fuel per acre. Your own experience tells you that a 14-foot tractor-drawn combine requires about 1/2 gallon per acre for the combine and 3/4 gallon per acre for the tractor. That's a total of 1 1/4 gallons per acre—1/2 gallon per acre more than is used by a Massey-Harris Self-Propelled Combine of the same size.

WATCH FOR THE 1945 HARVEST BRIGADE

With increased crop quotas for 1945, and the labor and machinery shortage still serious, the Government authorized the building of additional Massey-Harris Self-Propelled Combines for another Harvest Brigade.

Again this year hundreds of these record-breaking combines will invade America's grain fields, crowding five years' work into one year—making critical materials do the greatest possible amount of work. See your Massey-Harris dealer if you need harvesting help in 1945.

When materials are available to build Self-Propelled

Combines for every farmer who wants one, you can harvest your own grain the Self-Propelled way—with one machine, saving tractor and tractor operator; saving fuel, and saving grain normally tramped down by tractor on opening cut.

Massey-Harris also builds Clipper Combines, Forage Clippers, Power-Plus Tractors, High-Speed Plows and other modern cost-cutting implements. Ask your Massey-Harris dealer about them, and let him co-operate with you now in keeping your present implements in good repair.

THE MASSEY-HARRIS CO., RACINE, WISCONSIN

TRACTORS, COMBINES, FARM IMPLEMENTS



- ★ Keep on buying War Bonds
- ★ Send your pulpwood to war
- ★ Salvage paper and metals

MASSEY-HARRIS BRIGADE DEALERS			
Ablene	Kenneth Smith Motor Co.	Greensburg	John Acood
Anthony	Logue Motor Co.	Hays	Rupp Motor Co.
Atwood	C. A. Worthy	Hutchinson	Hutchinson Impl. Co.
Augusta	Mickie Service Station	Iola	Hiser Motor Co.
Belleville	Swiercinsky Bros.	Jamestown	Finster Motor Co.
Beloit	R. P. Fuller Impl. Co.	Junction City	Wilcoxson Auto Co.
Burdett	Burdett Impl. Co.	Kensington	Ed Norden
Caldwell	M & M Motor Co.	Kingman	Flickner Impl. Co.
Cimarron	R. L. Walker	Kinsley	Kinsley Motor Co.
Clay Center	Marshall Impl. & Garage Co.	Kiowa	J. P. Humphrey
Colby	Hills Implement Co.	LaCrosse	Alger Sales Agency
Coldwater	B. J. Herd	Lawrence	Anderson Impl. Co.
Columbia	Paul Webb	Leoti	Western Motor Co.
Concordia	J. C. Tibbitts	Lincoln	Omar's Sales & Service
Denison	Farmers Un. Co-Op. Bus. Assn.	Liberal	Carl Tedford
Dighton	Dighton Farm Eqpt. Co.	Lyons	Truesdell & Trowbridge
Dodge City	Schraeder Impl. Co.	McPherson	Baker Motor Co.
Ellis	Farm Implement Co.	Mankato	Taylor Implement Co.
Emporia	Clark Motor Co.	Marion	McDaris Impl. Co.
Ft. Scott	Sanders Motor Co.	Meade	Holmes Chevrolet Co.
Fredonia	Hammons Motors	Minneola	J. H. Rea
Garden City	Homer Neill	Morrill	E. W. Willard
Geuda Springs	Clairde L. Kerr	Natoma	B & D Implement Co.
Goodland	Fair Brothers	Newton	McMillan Motor Co.
Great Bend	Davis Implement Co.	Norton	Scheetz Motor Co.
	Walter Sears	Oakley	Swart Implement Co.

Ups-and-Downs of Apples

By JAMES SENTER BRAZELTON

THERE is some speculation as to whether Northeast Kansas ever will regain the fame and reputation it once enjoyed as a producer of superior quality apples in great abundance. There was a time when huge fortunes were made here by apple growers. In those days the lowly Ben Davis was the variety in most orchards. This old-time apple was a prolific and sure bearer and the codling moth was not the problem in those Ben Davis orchards that it is today. When these trees had lived their time they were not replaced by other Ben Davis trees, but the trend then was to set new orchards with apples of more distinctive quality.

The Jonathan came into the spotlight and growers here kidded themselves into believing that our wind-deposited soil grew Jonathans of a quality unsurpassed by any other section. The Delicious was heralded as promising and it became very popular. Thousands of young Delicious trees were planted on these hills left by receding glaciers. Other varieties like Stayman and Golden Delicious came in for their share of popularity. Winesap, Grimes, York and Rome Beauty were planted quite extensively and helped crowd Ben Davis out of the picture.

After it was too late, growers found these newer, more popular varieties were not making them as much money as the old Ben Davis had done. Jonathans, they discovered, had the very bad habit of dropping to the ground just before harvest time. Delicious refused to bear but half-heartedly. Stayman developed ugly cracks that ruined their market value. Simultaneous with these disheartening discoveries came the drouth years of '34, '35 and '36 when the intense heat of those summers ended the lives of hundreds of vigorous trees.

"Must Wash Those Apples"

The codling moth menace became increasingly serious and the number of spray applications was increased in an earnest effort to bring the insect under control. Then came the order from the U. S. D. A., "You must wash those apples until the lead and arsenic left on them meets the tolerance we prescribe." This order revolutionized the whole apple industry. Apple washing machinery is expensive and apple washing requires larger crews than were used when apples were packed in the orchards.

Increased production costs became a burden few orchardists were able to bear. Even those who in former years had made money on apples found themselves in desperate circumstances. Growers were able to get little more for a bushel of apples now than they had received when it had cost much less to produce them because citrus fruits were, and still are, in popular demand.

September 3, 1939, will long be remembered in Northeast Kansas, not as the day hostilities began in Europe, but as the day on which a whole crop of apples, ready to harvest, went on the ground and became worthless almost overnight. A draft from a blast furnace could be no hotter than the scorching wind that blew all that Sunday, and by nightfall on that memorable day Jonathan apples of the finest quality lay on the ground so thick under the trees in every orchard in this section there was not room for a person to step.

Growers had not fully recovered from this blow when another catastrophe befell this apple section more serious and far-reaching in its destruction than all the rest. That was the blizzard of November 11, 1940, a devilish prank of the elements that will

never be forgotten here. All that winter growers waited with misgiving in their hearts until the following spring to learn how serious the damage was. It was a bitter end indeed to the dreams and hopes which had accompanied all the years of toil and attention.

Only now are memories beginning to dim sufficiently to make orchard planting mentionable in plans for the future. A few have never lost faith in the apple industry here. Taylor M. Bauer is one of these. He has one of the finest orchards to be found anywhere, located in the Elwood bottoms. Ezra Shields, another Wathena grower, is manifesting his faith by planting more trees. When he finishes his planting this spring he will have 57 acres of young apple trees besides 2 older orchards of 12 acres each. Other Wathena growers who have not allowed the bottom to drop out of their hopes are Frank Lehman, Dubach Brothers and C. W. Ryan. James F. Etherton, of Troy, is a young grower who believes apples will some day stage a comeback, and to be prepared he is setting out a sizable young orchard each year.

Can Be Overdone

What varieties to plant in these orchards of the future is a question that should merit some thought before any planting is done. A good many are turning to summer apples thinking in this way to escape one brood of the dread codling moth. This is a good idea as long as it is not overdone, but it must be remembered there is a limit to the demand for summer apples and they do not keep as well as the later varieties.

The earliest commercial apple grown in Doniphan county is Yellow Transparent but growers of future orchards will probably plant Lodi instead, for it is a new, improved Transparent, bearing apples of twice the size and better shippers because the flesh is firm and the skin is thick. Summer Champion is an early apple considered by Paul Shepard, superintendent of the Experiment Station, Mountain Grove, Mo., to be the best and most profitable summer commercial apple because it is of a beautiful red color, smooth and of good size and ripens August 5 to 10. James Hunt, of St. Joseph, went down to Mountain Grove last summer to see Summer Champion in fruit and was so impressed with them that he ordered 300 for this spring's planting.

The Anoka is coming into great popularity as a summer apple. It is being widely planted in place of Duchess. It is often called the old folks apple because it generally comes into bearing the second year. According to William G. Amstein, extension horticulturist, Cooper's Early is a good summer apple to plant in Kansas. It has proved successful in orchards in many different parts of the state. The Beacon apple, developed at the Minnesota Fruit Breeding farm, is said to be a real "find" because of its high red color, its earliness, uniform size and good quality. It matures a week or 10 days before the Duchess.

Ada Red is a summer apple that had its origin in Benton county, Ark. Its delicate aroma attracts buyers and its fine color sells it. Those who grow it claim its flavor is unsurpassed. The Close apple, a recent product of the federal experimental farm in Virginia, is drawing increased attention from growers throughout the country. It ripens about one week ahead of Transparent.

Oberlin	Oberlin Motor Co.	Oberlin	Oberlin Motor Co.
Osborne	M. O. Koesling	Oswego	Willis Implement Co.
Ottawa	White Motor Co.	Parsons	Farmers Co-Op. Assn.
Pittsburg	Dobruac Oil Co.	Phillipsburg	Phillips Impl. Co.
Platteville	Platteville Impl. Co.	Quinter	Quinter Implement Co.
Russell	Ed Radke & Son	St. Francis	Lampe Hdwe. Co.
St. George	Umscheld Bros.	St. John	Stafford Co. Impl. Co.
St. Marys	Wallace Implement Co.	Salina	Salina Tr. & Th. Co.
Scott City	Western Hdwe. & Supply Co.	Seranton	M. C. Pollard
Seneca	Frank Kuckelmann	Smith Center	Foundry Oil Co.
Syracuse	Kaester Impl. Co.	Topeka	Topeka Implement Co.
Ulysses	Webber Implement Co.	Wakeeney	Diebolt Implement Co.
Wamego	Eddy Implement Co.	Wellington	Tryon Implement Co.
Wichita	The Massey-Harris Co.	Winfield	Allred Tire & Brake Service
Winnifred	Brauchl Brothers		



"Quite a coincidence. You from Maine and me from Idaho and both peeling potatoes!"

Pow Wow at the Piggery



JUDY: I've got the runt's bottle, Pop. It's nice and warm.

POP: Good girl, Judy. You're a dependable little helper.



JUDY: What's dependable, Pop?

POP: Dependable's *not* like this pig. Dependable is when you can count on something. Like on Safeway.



JUDY: How's that, Pop?

POP: Safeway is always on hand to buy from us farmers. You don't have to chase 'em.



JUDY: Does Safeway pay us much, Pop?

POP: Yes they do. You see, Judy, Safeway buys direct from farmers and farm cooperatives and sells in their own stores. That cuts out in-between costs so both farmers and Safeway customers benefit.



JUDY: Look out, Pop! O-o-o-o—you'll get muddy.

POP (Censored)



Vegetable growers know Safeway buys best quality at best market prices

J. A. Oelkers of Carrizo Springs, Texas, specializes in carrots. He says, "The Safeway buyers seek out top quality produce, always paying the going price or better for it. We've been selling to Safeway for eight years and the price has always been satisfactory. What's more, food chains like Safeway provide a regular, dependable market—the kind of market that means everything to us growers in a fast-moving deal like vegetables. The way I see it, our work of growing vegetables and Safeway's kind of selling fit together like peas in a pod."

SAFEWAY THE NEIGHBORHOOD GROCERY STORES

NOTE: Better than a third of our customers are farm folks. Find out why. Trade one full month at your Safeway grocer's — and see how much you save!

SOUR MILK AND CREAM

Are Cooking Assets

By Florence McKinney

YOU can't make all the milk and cream stay sweet. And while sour milk may not be to your liking in the natural state, it is universally liked in good cakes, pancakes, cookies and pie. And, moreover, there are few sorts of baked goods that can't be made with sour milk or cream. It is versatile in that respect.

Rules For Substitution

Beware of careless measuring when substituting sour for sweet milk. Then, too, we must admit it takes a bit of experience to judge the stage of sourness. Recipes which have been tested almost always intend for the cook to use well-soured milk or cream.

For recipes which call for sweet milk or cream, and you have sour milk or cream in the refrigerator, use the same measure of the sour product. For each cup of well-soured milk use one half level teaspoon of soda to neutralize the acid. If only slightly sour, use half as much soda, or one fourth level teaspoon. This is the very spot to use care, for too much soda will produce an undesirable odor and flavor.

Sift the soda with the dry ingredients to prevent the gas escaping, which it will do if mixed with the liquids. Then the product is likely to be heavy as most of the leavening has disappeared. For thin batters, soda is usually the only leavening agent recommended but for thick batters and doughs, most recipes call for baking powder in addition. A general rule which may be safely followed is that one half teaspoon soda with 1 cup well-soured milk will equal 2 teaspoons of baking powder. Some recipes may call for additional leavening and if so, make it up with baking powder.

Sour Milk Pancakes

For supper any day in the week and especially Sunday night supper parties, pancakes will delight

Sour milk pancakes, the well remembered kind "grandma used to make," fit into the supper menu if served with ham, a vegetable salad and milk.

the family and guests if served with a big substantial vegetable salad and milk or coffee all around. This recipe serves from 4 to 6:

2 cups flour	2 cups sour milk
2 tablespoons sugar	2 tablespoons butter, melted
1 teaspoon salt	2 eggs, well beaten
1 teaspoon soda	

Sift the dry ingredients together, add milk. Stir lightly. Add butter and fold in eggs. Bake on hot, ungreased griddle. The fat in the recipe will make it unnecessary to oil the griddle.

Sour Milk Gingerbread

Gingerbread is a wholesome dessert, considered

easier to make than cake and well liked by the children. Give them all they want of this:

¼ cup butter	1 teaspoon baking powder
½ cup sugar	1 teaspoon ginger
1 egg, well beaten	½ teaspoon salt
½ cup molasses or dark sirup	½ cup sour milk
1½ cups flour	2 tablespoons sugar
½ teaspoon soda	1 teaspoon cinnamon

Cream butter and sugar thoroly, add egg and molasses, blend. Add sifted dry ingredients alternately with milk and beat until smooth. Pour into buttered pan and sprinkle top with sugar and cinnamon. Bake in a moderate oven (350° F.) for 45 minutes.

[Continued on Page 13]



The bed is a rough framework to hold the springs and mattress. Note the window behind it and the book shelves which give the room the air of a living-room.

THE housing situation has taken on a new aspect. Daughters, in many cases with children, have returned to live with father and mother on the home farm. More space is needed than at any time since the children were all at home in their growing-up days.

Do you have waste space under the eaves in a roomy attic? Or is there an unattractive bedroom that ideas and a little money would help? A lot of stored furniture in the house might be usable in such a room. And once you are cleared for action, you'll be surprised at the possibilities you have for a really attractive guest room. Since these are times of thrift and budgeting, it's smart to do as much as possible on as little as possible.

Scores of people have attic space just like that

pictured, suitable for 1 or 2 adults and the bambino. Here, the rough floor was smoothed, covered with a heavy felt base and then floored with a sand-colored linoleum having a block pattern that discouraged dirt marks, and large rust and green dots which set the keynote for the color scheme.

The section of the room space was beaver-boarded, then tinted a luscious, cool green that acts as a perfect foil for the rust-flowered and ruffled curtains and slip-covered chairs. The old chairs turned out looking like new, masked in a durable rust fabric. Denim wears well and keeps its shape.

The built-in crib is a wonderful idea since it uses what would be waste space and can be screened from view by dropping the chintz curtains. Thus,

Do You Need MORE ROOM? Here Is One Answer

the adults may read in bed and yet not keep the baby awake. If there is no baby, the curtains lend a decorative note while at the same time screening the room.

The bed is merely a rough framework to hold the springs and mattress. And note how it is tucked into the dormer, with a window behind it to insure grand air at night and light for daytime reading. Bookshelves are built around the niche to save space elsewhere.

The rust of chairs and curtain design is picked up in decorations on the table lamp, on plain material used on dressing table top and on one of the two fold-up tables so handy in any bedroom. You'd be surprised to know that the dressing-table bench was a discarded hassock pounded back into shape and covered with leftover material from slip-covered chairs.

Two green string rugs are of the same shade as the dots in the linoleum and the table at the foot of the bed is green, too, but the remainder of the furniture is eggshell with alternating rust and green with eggshell bars on the built-in crib, beneath which is a sizable storage space.

This room or ideas from it can be created from a low-ceiling room either in the attic or second floor. Use leftover discarded furniture to pacify your conscience and budget, do the work yourself and then see what a feeling of achievement you will have when it is ready to be occupied by the returning family member.—By Louise Price Bell.

An Emergency Exists

The Country Needs Nurses

THERE is an urgent need for student nurses, but it is not an emergency need alone. The character development and the scientific background which the professional nurse receives will make her an asset to her community for the rest of her life. Her heightened perception of humanity makes her a better wife, mother and homemaker.

At the urgent request of leaders in nursing and hospital fields, Mrs. Frances P. Bolton, Congresswoman from Ohio, introduced into the 78th Congress the legislation which now bears her name. The Bolton Act was passed unanimously in 1943, creating the U. S. Cadet Nurse Corps within the U. S. Public Health Service.

Of the 1,300 schools of nursing in the country, 1,108 are participating in the Cadet Nurse Corps program. The course of practice and study required for graduation of a nurse is concentrated into 24 to 30 months. In pre-war times the course was usually 3 years.

Upon graduation a Cadet Nurse is eligible to become a registered nurse. She receives the same complete education as any classmate who, for personal reasons, may not be a member of the corps.

Students are urged to write to at least 3 schools of nursing before making a choice. A list of accredited nursing schools may be obtained from your local hospital, state recruitment office, or from the U. S. Cadet Nurse Corps, U. S. Public Health Service, Box 88, New York 8, N. Y.

The Cadet Nurse receives an all-expense scholarship, including uniforms, tuition, textbooks and a monthly spending allowance. A school of nursing is much like any other school or college—it has school spirit, social life, and offers companionship with other students of the same age and interests. The student nurse lives in a dormitory as many college students do.

Supervised social activities are an important part in the general program in all good schools—some have swimming pools, gymnasiums, the majority have tennis courts. Many have living rooms where students may entertain their families or friends.

During the first 9 months, or the pre-cadet period, the student's schedule is made up of classes, supervised work in hospital wards and laboratory work. For the next 15 to 21 months of the junior cadet period, more time is spent in clinical practice concentrating on care of patients with all types of illnesses. She assumes the responsibility of administering drugs and treatments, assisting physicians, serving in the operating rooms and meeting emergencies. Senior cadets during the last few months, perform the duties of a graduate nurse, under supervision.

Even if the war ends before her education is completed, the nurse may continue until graduation, provided she has enrolled 90 days prior to the end of hostilities. She takes a pledge to continue in military or essential civilian nursing for the duration of the war. After graduation, she is eligible to apply for a commission to the Army or Navy Nurse Corps, or she may go into other federal or essential civilian nursing service.

Nursing is one of the few careers which can be resumed without loss of professional standing after a period of inactivity. A nurse may marry and raise a family and then if the need arises, return to duty. It is an insurance against want, receives recognition in any community and the professional training commands the respect of everyone.

Cream butter and sugar thoroly, add eggs, beat well. Add sifted dry ingredients alternately with the sour milk. Mix oats, nuts and raisins together. Add to the first mixture. Drop from teaspoon on buttered cookie sheet or in any large baking pan. Bake in moderate oven (350° F.) 12 to 15 minutes.

Sour-Cream Dressing

A dressing for cabbage, even for lettuce is made from sour cream and honey.

1 cup thick sour cream	1½ tablespoons lemon juice
¼ teaspoon salt	¼ cup honey

Add salt, lemon juice and honey to the cream, beating well. Pour over shredded cabbage or lettuce just before serving.

Better Buys Ahead

IN WORK CLOTHING

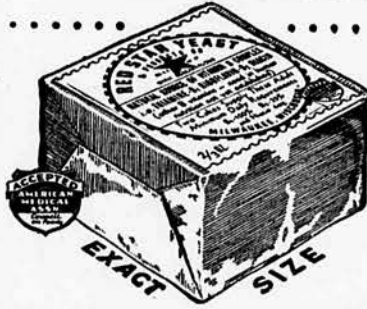
Inexpensive wear for farm workers and school children is included in the new OPA-WPB program to bring more satisfactory clothing on the market within the next few months. Manufacturers who are receiving the material must produce garments to meet certain standards to sell at or below certain specified top prices. The manufacturer must notify his customer with each shipment the dollars-and-cents price he should charge for the garments.

The federal agencies have promised these garments will be good quality.



WITH HOME-MADE BREAD, LUNCH MAKES A HIT THE KIDS'LL FINISH EVERY BIT

Sure way to perk up school-day appetites! It's quick and easy to bake crispy crusted, flavorful bread with Red Star Yeast. You can count on it for sure action and fast-rise every time. Enriched with Vitamin B Complex — it adds extra nourishment to whatever you bake.



RED STAR YEAST

• FOR BAKING INSURANCE EVERY TIME, RELY ON RED STAR YEAST, THE FAVORITE WITH SMART HOUSEWIVES FOR 62 YEARS.

Invest in Victory — Buy War Bonds and Hold Them

BUY MORE UNITED STATES WAR BONDS and SAVINGS STAMPS

USING CLOROX?... I JUST KNEW YOU WERE A THOROUGH HOUSEKEEPER!

YES, CLOROX-CLEANSING IS IMPORTANT ...IT HELPS PROTECT HEALTH!

THE USE of Clorox in cleansing adds to your reputation as a good housekeeper. For Clorox cleansing is recognized by health authorities as an efficient and simple method of making home "danger zones" sanitary. And such added sanitation is an important phase of housekeeping, especially now due to the shortage of civilian doctors and nurses. Clorox disinfects, also deodorizes, removes stains. Use Clorox in routine cleansing... for added health protection.



Gentle Bleaching! Clorox bleaches white cottons and linens extra-gently (brightens fast colors)...it's ultra-refined, free from caustic. Simply follow directions on label.



Sanitary Bathrooms! Why take unnecessary chances with infection dangers. Clorox makes tile, enamel, porcelain, linoleum, wood surfaces hygienically clean.



When it's CLOROX-CLEAN... it's Hygienically Clean!

Copyright 1945, Clorox Chemical Co.

BUY WAR BONDS

Cooking Assets

(Continued from Page 12)

Oatmeal Cookies

For the school lunch-box because they will pack well and stay fresh, try oatmeal cookies. The nuts may be omitted if desired.

1 cup butter	2 teaspoons cinnamon
1½ cups brown sugar	¾ cup sour milk
2 eggs or 6 egg yolks	2 cups rolled oats
2 cups flour	½ cup nuts, broken
1 teaspoon salt	1 cup raisins, chopped
1 teaspoon soda	



JACK: She talked about it all the way to the station... said she didn't think young wives would take the time to make hot rolls these days!

JEAN: Why, it's fun to make them... and it's really easy with my double-quick recipe and Fleischmann's yellow label Yeast!

YES, FLEISCHMANN'S IS SO DEPENDABLE, AND IT'S THE ONLY YEAST FOR BAKING THAT HAS ADDED AMOUNTS OF BOTH VITAMINS A AND D, AS WELL AS THE B COMPLEX.



• And all those vitamins go right into your baking with no great loss in the oven. So, always get Fleischmann's yellow label Yeast. A week's supply keeps in the ice-box.

FREE! SEND FOR ME
 the latest revised edition of Fleischmann's famous 40-page recipe book, "The Bread Basket." Over 70 wonderful ideas for new breads, rolls, dessert breads. Hurry... send for yours now!

• For your free copy, write Standard Brands Incorporated, Grand Central Annex, Box 477, New York 17, N.Y.



Get Right Clothing

FOR WORK IN FIELDS

Clothing for women farm workers should be comfortable, serviceable, easy to launder, and designed to prevent accidents. Those who have worked in the harvest fields during the last few summers have had enough experience to decide that work clothing should not be just "any old clothing" unsuitable for other purposes.

These experienced workers recommend the overall or coverall type of garments, largely because they are more comfortable, allow freedom of action and, last but not least, prevent accidents. Sleeves gathered at the wrists and slacks gathered at the ankles are less likely to become entangled in machine parts than garments with loose flopping cloth.

Last year some accidents occurred due to poorly chosen clothes. A tight-fitting cap which covers the hair has the advantage of staying on in the wind—then, too, it keeps dust and dirt out of the hair. The cap designed by the Women's Land Army is an application of this idea. It shades the eyes, cannot blow off in the strongest summer breeze and protects the hair.

Flat-heeled oxfords are an absolute necessity. Leftover dress shoes or even work shoes with run-over heels are a hazard around machinery. They may cause sprains and fatigue but, worst of all, they might be a contributing factor in a serious accident. Plan now, before the rush starts, to provide the right outfit.

Wash Gloves

BUT KEEP THEM SOFT

Ever see newly washed leather gloves as stiff as a board? Once stiffened and shrunk it is difficult to return them to their original softness. But that can be avoided in the beginning by using a liquid glove shampoo and lukewarm water. The shampoo is inexpensive considering the small amount required for each washing. Put gloves on the hands and rub the shampoo and water into gloves thoroly. If very dirty it may be necessary to use a soft brush to scrub them a bit. Remove them from the hands carefully as leather is weak and stretches easily when wet. Rinse in lukewarm water and roll in a towel to remove the excess water. Blow into the fingers and straighten, then spread them out on a clean dry towel. When still slightly damp, work them onto the hands to soften them and return to towel for complete drying. Gloves washed with this special preparation should be as soft as when new.

An All-Purpose Frock



4899
 SIZES
 12-20
 30-44

A real find is pattern 4899. All-purpose, go-everywhere frock; easy to sew, comfortable to wear. Note the bow tie, a fashion highlight. Pattern 4899 comes in sizes 12, 14, 16, 18, 20, 30, 32, 34, 36, 38, 40, 42, 44. Size 16 requires 3 1/2 yards 39-inch fabric and 5/8 yard ribbon.

Pattern 4899 will come to you for 20 cents. Write Fashion Service, Kansas Farmer, Topeka.

HERE'S A SENSIBLE WAY TO RELIEVE

cramps, headache backache

OF 'CERTAIN DAYS' of the month



Helps Build Up Resistance Against Such Distress!

If you suffer this way due to female functional periodic disturbances, try Lydia E. Pinkham's Vegetable Compound to relieve such symptoms. This famous liquid formula DOES MORE than relieve such monthly pain. This great medicine also relieves tired, cranky, nervous, blue feelings of such days—when due to this cause.

Taken regularly—Pinkham's Compound helps build up resistance against such symptoms. A VERY SENSIBLE THING TO DO!

HELPS NATURE: There are positively no harmful opiates or habit forming ingredients in Pinkham's. This medicine helps nature. It's one of the most effective and best known medicines of its kind. Also a grand stomachic tonic! Follow label directions. INEXPENSIVE!

Lydia E. Pinkham's VEGETABLE COMPOUND

KIDNEYS MUST REMOVE EXCESS ACIDS

Help 15 Miles of Kidney Tubes Flush Out Poisonous Waste

If you have an excess of acids in your blood, your 15 miles of kidney tubes may be overworked. These tiny filters and tubes are working day and night to help Nature rid your system of excess acids and poisonous waste.

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.

Kidneys may need help the same as bowels, so ask your druggist for Doan's Pills, used successfully by millions for over 40 years. They give happy relief and will help the 15 miles of kidney tubes flush out poisonous waste from your blood. Get Doan's Pills.

Don't Neglect Piles and Colon Troubles

FREE BOOK — Explains Dangers of Associated Ailments



Neglected piles, fistula and colon troubles often spread infection. Learn about rheumatic and other associated chronic conditions. Write today for 122-page FREE BOOK. McCleary Clinic, 441 Elms Blvd., Excelsior Springs, Mo.

LEG SUFFERERS

Why continue to suffer without attempting to do something? Write today for New Booklet — "THE LIEPÉ METHODS FOR HOME USE." It tells about Varicose Ulcers and Open Leg Sores. Liepé Methods used while you walk. More than 40 years of success. Praised and endorsed by multitudes.

LIEPÉ METHODS, 3284 N. Green Bay Ave., Dept. D-83, Milwaukee, Wis. **FREE BOOKLET**

The Story of the Capper Foundation

tells of crippled children made whole! Of sad parents made happy! It tells how you may help in this expanding program of healing. Write for your free copy of the story today.

THE CAPPER FOUNDATION for CRIPPLED CHILDREN Capper Building : Topeka, Kansas

JACOBS WIND ELECTRIC PLANTS

FULLY AUTOMATIC

ELECTRIC POWER FOR EVERY NEED

Refrigerator
 Washing Machine
 Cream Separator
 Pressure System
 Milking Machine
 Water Pumps

Now you can get prompt delivery of a new 1945 model Jacobs Wind Electric Plant. Jacobs famous design of dependability includes 14 foot variable pitch propeller, completely automatic battery charging and voltage control and many other exclusive features.

Start now to use the free wind to supply Electric Power for every need. Over-size capacity will take care of all post-war electrical appliances, electrically driven farm tools and farm machines.



★
SIMPLE, SAFE, EASY TO INSTALL
 ★

DEALERS: Desirable sales territory is still open to reliable dealers who already operate going businesses. A Jacobs dealership will give you another profitable line.

Write **STEGEMAN AND CARLISLE, State Distributors** Salina, Kansas

JACOBS WIND ELECTRIC CO., INC.

America's Oldest Wind Electric Manufacturer
 MINNEAPOLIS 11, MINNESOTA

Wonderful Results

Raising Baby Chicks

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

You Run No Risk

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

Walker Remedy Company
Dept. 22, Waterloo, Iowa

HERE'S HOW YOU CAN GET MORE MONEY FOR YOUR WOOL!

All wool is bought by the CCC at standardized ceiling prices, less deductions based on grade and shrinkage and a set amount allowed the dealer for commissions and handling charges. Midwest Wool Marketing Cooperative saves you money on these marketing costs.

First, Midwest grades your wool accurately, gets you maximum ceiling prices for each grade. Second, Midwest handles your wool for less than the allowed handling charge. Third, your proportionate share of any profits made by Midwest is returned to you as an extra dividend, in addition to the net price received for your wool.

9000 wool growers now market thru Midwest. No red tape. No dues. No special charges. Just ship your wool to Midwest, freight collect. A 70% advance is made immediately, the balance when your wool is sold.

FREE Folder—tells exactly how wool is marketed by Midwest, how Midwest gets you more money for your wool. No cost. No obligation. Write today.

MIDWEST WOOL Marketing Cooperative

915 Wyoming, Dept. K Kansas City 7, Mo.

VACCINATE 'EM YOURSELF

IT'S SAFE, EASY AND COSTS LESS

Farmers have vaccinated more pigs with Anchor Serum than with any other brand of Anti-Hog Cholera Serum in the world.

SERUMS

Hog Cholera Serum—Hemorrhagic Septicemia Serum—Erysipelas Serum.

BACTERINS

Blackleg Bacterin—Hemorrhagic Septicemia Bacterin—Mixed Bacterin, etc.

PHARMACEUTICALS

Dealers throughout the United States. Write for free booklet "VACCINATION SIMPLIFIED"

ANCHOR SERUM CO.
U. S. VETERINARY LICENSE NO. 134
SOUTH ST. JOSEPH, MISSOURI
WORLD'S LARGEST SERUM PRODUCERS

* DRIES as it COOLS as it BLOWS!

Elevates grain—silage—chopped hay—sorghum—up to 60 feet or more. Saves backwork, ends unloading by hand. A real labor-saver for filling trench silo, also removing ensilage. Pipe dry feed as far as 150 ft. to feedlot.

FREE—Colored folders on blowers, Hatchet Mills, ensilage cutters.

SMALLEY MFG. COMPANY
525 York St., Manitowoc, Wis.

FORAGE & GRAIN BLOWER

Handling Hay In Less Time

SPEEDING up all farm operations is the big order of the day on every Kansas farm. Harry D. Burger, of Nemaha county, believes he has found the answer for some of his labor problems.

The hay crop on this farm has been one of the big jobs just as it is on every farm where hay is grown. Until this year Mr. Burger has used a side-delivery rake and a hay loader in the field. At the barn, which holds 250 tons, a sling was used.

This year he has purchased a field hay chopper that will cut and blow the hay into 2 huge trailers he has built. These trailers have been equipped with a false endgate for self-unloading into another blower at the barn. Virtually all manual labor will be eliminated, time will be saved, and the hay will be easier to feed and less of it will be wasted. His new machine also has a field ensilage cutter for his atlas and can be used for grass silage. This combination gives him much more versatility in handling his feed crops.

Another change will be made in feeding the hay, which has been carried to the cows from an adjoining shed. The cows are arranged in 2 lines facing each other with an 8-foot alley between. Mr. Burger plans to cut 2 holes in the loft so that chopped hay can be put down right in front of the cows with no carrying.

Wheat and oats straw this year also will be picked up, chopped, and blown into the barn for bedding. The new equipment will allow alfalfa acreage to be increased from the present 34 to 44 acres.

Bee Paralysis

Hairless symptoms, commonly depended upon for diagnosis of paralysis by bee growers, are not the best signs of this sickness, say U. S. Department of Agriculture reports.

Best paralysis symptoms are trembling, and sprawled legs and wings. With more accurate knowledge of symptoms and signs of the disease, beekeepers can judge better when to requeen infested colonies. It has been discovered that at least one type of bee paralysis is caused by a filterable virus but no preventive has as yet been found.

Buildings Water Trees

Altho he has a special lot set aside for a farm orchard, Ernest Myers, of Republic county, has learned a trick that gives him additional fruit on the farm and helps make his farmstead more attractive.

He spots a few fruit trees around every farm outbuilding. The rain running off the roofs of these buildings give his trees the extra water they require, he says, and they seem to do better without so much attention on his part.

Hogs Easily Led

A hog can be led easily with a halter rope. Put the part of a halter that goes around a horse's nose, around the hog's neck; buckle the part that goes around the neck around the hog's body just behind the front legs. Once tried, you'll not go back to driving a hog from place to place unhaltered.—R. L.



And t' think I usta beef about cleanin' out th' hog pen back on th' farm!

NOW—more than ever—

DEMPSTER

WATER SUPPLY EQUIPMENT

QUALITY COUNTS

Today Dempster Water Supply Equipment is proving its outstanding superiority. Dempster quality, ruggedness and precision more than equal the tremendous pace set by American farmers in stepping up production.

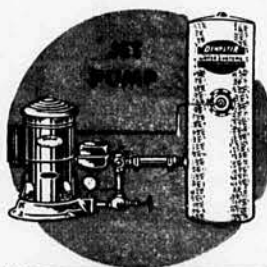
Running water, day in and day out, speeds the fattening of livestock. It is essential in poultry raising. Crop production can be increased by irrigation. And water on tap in the home itself makes life easier for the whole family.

In the Future DEPEND on DEMPSTER

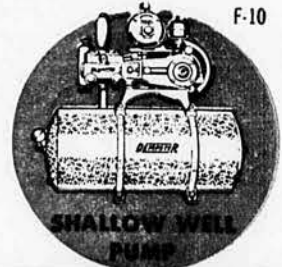
When the war demands lessen, plan to join the thousands of American farmers now profiting from and enjoying continuous, dependable supplies of running water produced by Dempster Equipment—the most efficient, most economical obtainable.

DEMPSTER MILL MFG. CO.

BEATRICE, NEBRASKA



Windmills
Pumps
Cylinders
Water Systems
Centrifugal Pumps
Water Supply Equipment
Steel & Wood Tanks
Pipe, Fittings, Valves



F-10

The modern way to build

RILCO LAMINATED WOOD RAFTERS

for every type of farm building

BARN RAFTERS
POULTRY HOUSE
MACHINE SHED
CORN CRIB AND GRANARY
SMALL RESIDENCE

● Rilco Rafters are continuous framing members, running from foundation to roof ridge. They combine wall and roof framing in a single strong unit, thus eliminating the weakest point of ordinary construction, the joint between side wall and roof. Rilco Rafters build buildings that are stronger, more rigid, more wind resistant, with modern, streamlined appearance. The shape of Rilco Rafter Arches gives more hay storage space in barns. Rilco machine sheds are free of posts and braces, easier to use. Rilco poultry, hog and utility buildings provide less space to be heated, at no sacrifice of head-room or floor area. Rilco Rafter arches are the strongest known type of framing. Laminated with special structural glues, they are 4 times stronger than nailed arches. Used by Army and Navy. Rilco Rafters are engineered and factory-made to accurate patterns, properly drilled and trimmed for anchorage at sill and joining at ridge with special metal connectors. Delivered to the farm ready for fast and accurate erection, they save time, labor and material. Free illustrated folder.

See Your Lumber Dealer or write for information. State kind of buildings you plan.

Write for FREE FOLDER

RILCO LAMINATED PRODUCTS, INC.
A Weyerhaeuser Institution
1591 C First National Bank Building, Saint Paul 1, Minnesota

★ BUY MORE WAR BONDS and SAVINGS STAMPS ★

Win Scholarship Awards

Senator Capper Offers Two More This Year

WINNERS of the two \$150 scholarships, presented each year by Senator Arthur Capper thru his Kansas Farmer magazine, to outstanding 4-H Club members go this time to Carrol Ramsey, Uniontown, Bourbon county, and Lewis Topliff, Formoso, Jewell county, it is announced April 21, by J. Harold Johnson, state 4-H Club leader at Manhattan.

In response to this word, Senator Capper sends this message from Washington, to Mr. Johnson and to all Kansas 4-H members: "I am glad to have the names of the young lady and the young man who have been awarded the 4-H Club Capper Scholarships for 1944. I have read the statements as to

their school records, and qualifications. I am very favorably impressed by the information, and am sure they are worthy of the honor that you have bestowed upon them.

"I feel that it is a privilege to authorize this scholarship award for 1945, and will be glad to have you make the announcement to that effect."

Now let's take a look at what the winners have accomplished:

Carrol Ramsey, Uniontown, Bourbon county, is 18 years old and has been a club member 8 years. In that time she has completed 38 projects, including clothing, food preparation, food preservation, poultry, gardening, and junior leadership.



Carrol Ramsey, Bourbon Co.

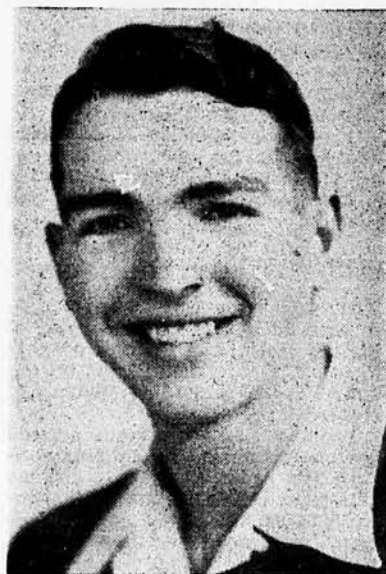
Carrol has held various offices in her club, the Uniontown 4-H Club, has supervised the safety activity, and has been a member of several blue-ribbon demonstration teams. She has taken an active part in county-wide and state 4-H events.

She was chosen the most outstanding girl in the 4-H encampment during the State Fair in 1944, and is a member of the State Who's Who 4-H Club.

Carrol was outstanding in her high school career, graduating salutatorian of her class in 1944.

Aside from her 4-H activity, Carrol has spent many hours at the Red Cross surgical dressing room folding bandages. Also, she has assisted at the War Dads Canteen for servicemen in Ft. Scott.

Lewis Topliff, Formoso, Jewell county, is 19 years old and has been an outstanding member of his club, the



Lewis Topliff, Jewell Co.

White Rock Valley 4-H, for the last 5 years. He also has been an outstanding member of the County 4-H Club Council 4 years, 2 of which he served as president. He has been president of his club 3 years.

Lewis has averaged more than 4 projects a year. He now owns 2 registered Holsteins, 2 beef calves, and has some crops projects. His cow has been on test for the last 2 years and has a very good record. She won a blue ribbon for Lewis at the State Fair last year. Lewis represented his county at the State Fair 2 years on livestock and dairy judging teams and demonstration teams.

Quick Improvement

What a good herd sire will do for beef cattle is evident on the farm of Walter and Eugene Bayless, Linn county. They have a herd of registered Hereford cows and last year bought a Stratton bull from Ottawa for a herd sire. This year their calf crop is made up of calves sired by this bull and those sired by another bull which already had been on the farm.

Calves sired by the Stratton bull have legs considerably shorter than the other calves, are much better balanced, lower and blockier, and of good natural fleshing type. Even a casual observer can pick out these calves

from the others as far as he can see them.

These blocky calves will be bred back to a Red Top bull of good quality and type, and the owners will watch with interest the continued improvement in type of this breeding.

On Water Job

Governor Andrew Schoepel has appointed Roland Tate and W. E. Leavett, both of Garden City, to the Kansas Water Compact Commission to negotiate the Kansas-Colorado dispute over waters of the Arkansas river. Attorney General A. B. Mitchell and George Knapp, chief engineer of the Kansas Water Resources Division, are statutory members of the commission.

Remove Lodged Stones

When a stone becomes lodged between the dual wheels of the farm truck, lay a crowbar on the axle between the tires, put the truck in reverse, carefully back up, and out pops the stone.—R. E. G.

Here's news from home



Your kid brother is mighty pleased with himself, now that I let him run the tractor. We've just got a new high compression machine that's so easy to handle the boy can run it fine. It starts like a flash, idles as smooth as an automobile and I think he'd rather run the tractor than eat.....

HIGH COMPRESSION gives you extra tractor power to help meet wartime production goals

While sons and brothers are away, short-handed farmers are depending more and more on their high compression tractors to get work done on schedule.

High compression tractors are helping set new production records because they're engineered to get more power out of every drop of gasoline. With the same size tractor you can do more work in a day, use a higher gear or pull heavier loads with maximum economy. In addition to these extra advantages, you get the features common to all gasoline-fueled engines—easier starting, quicker warm-up and better idling.

Investigate high compression before you buy a new tractor. If you are having your present tractor overhauled, look into a Power Booster (high compression) Overhaul, next best thing to a new high compression tractor.

ETHYL CORPORATION, Agricultural Division
Chrysler Building, New York 17, N. Y.

Manufacturer of antiknock fluids used by oil companies to improve gasoline

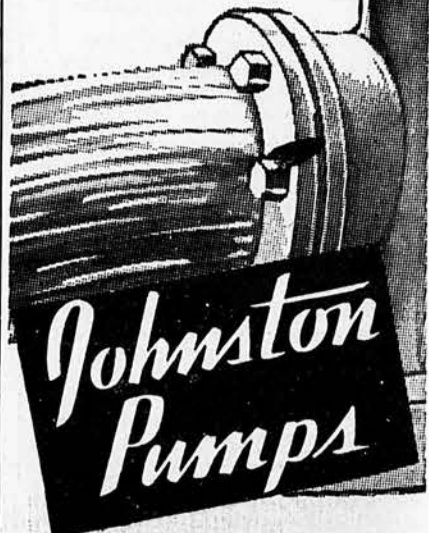


There may be water under your land. Lifted, and used properly for crops, it can mean a new future. Be pump-wise. Let a Johnston put this water on your land. But above all be water-wise. Use only what's needed. This will help insure maintenance of water level. A Johnston will do the rest.

Awarded Johnston employees for outstanding production achievement.

JOHNSTON PUMP CO.
Mfrs. of Deep Well Turbine and Domestic Water Systems
Main Plant:
224 E. 49th St., Los Angeles 11, Calif.
Distributors:
NEW YORK, N. Y., CHICAGO, ILL.

Dealer
DOERR MERCANTILE CO.
LARNED, KANSAS



No Wonder Wheat Is Better!

USING sweet clover as a soil builder and fertilizer on wheat are 2 crop practices that have been giving outstanding results on the farm of Charles Lagasse, Cloud county.

Last year Mr. Lagasse had 60 acres of sweet clover and plans on sowing at least 30 acres every year. He uses millet as a nurse crop for both sweet clover and alfalfa, mixing about one third millet to two thirds of either legume seed and planting 15 to 18 pounds of the mixture an acre. His wheat yields have increased an average of 25 per cent following sweet clover.

Fertilizing 3 bushels of wheat with 100 pounds of 0-40-0 superphosphate has increased wheat yields from 7½ bushels up to 19½ bushels, says Mr. Lagasse, and also increases the test

weight 1 to 2 points. He has been following this practice for 12 years. He mixes the fertilizer with the wheat as it is put into the drill, and drills it in with the grain. Last year half of one wheat field was fertilized and the other half left untreated as a field test. The section fertilized made 38 bushels an acre and the unfertilized section 26 bushels. One hundred acres of the new Pawnee wheat is being grown by Mr. Lagasse this year, along with his other wheat acreage, which is Tenmarq.



Charles Lagasse, Cloud county farmer, stands in a field of fertilized wheat. Using superphosphate has increased his wheat yields from 7½ to 19½ bushels in actual field tests on the farm.

Hard Worker

Before his boys left for service, says Albert Johnson, of Ottawa county, they thought he was too old to do anything but tramp down the silage at silo filling time, so they carefully prevented him from doing any of the hard manual labor.

Last fall, with no one to keep him "held down" Mr. Johnson hauled and pitched bundles for 14 silos in the neighborhood. "It didn't hurt me a bit," he remarks.

To Control Floods

A total of \$365,000 already has been allotted by the Federal Government for planning of 4 flood-control projects in Kansas, and \$260,000 additional has been requested by government engineers, it is reported to Senator Clyde Reed, of Kansas.

Work is being done on the Fall River reservoir, the Toronto reservoir, and for levee and channel rectification to protect the city of Hutchinson. Actual construction of the reservoirs will not be done until after the war.

Hobby? Pastime?

(Continued from Page 5)

than many women could stand, but "playing host" is just a sideline for Mrs. Stephens. She has been Y. W. C. A. farm woman delegate to Philadelphia, is at present on the state board, was president this past year of the Community Y. W. C. A., and serves continuously on the executive board.

She served as 4-H Club leader in their ranch community and coached the pageant presented to raise money for a community playground. She is on the county nutrition committee, has worked on all the county War Bond and Red Cross drives, and each year sponsors some Girl Reserve group. Mrs. Stephens has just finished a 2-year term as president of the Presbyterian Woman's Council, was on the city library board, county welfare director for 6 years, and always helps with the junior-senior banquets and senior breakfasts.

Lends Old Costumes

Another hobby of value to the entire community is the Stephens wardrobe. Mrs. Stephens has collected and kept old costumes for years and these are gladly lent for school plays or for any dramatic enterprise. Since the costumes are stored high in the attic she has made hundreds of trips up and down stairs to help costume eager and aspiring Thespians.

Even these multiple jobs have not

kept Mrs. Stephens from adding to her capacity for "mothering." During the war she is taking care of "Skipper" Brandon, the 2-year-old son of her oldest daughter, whose husband, Lt. (j.g.) Brandon, has been moved so often the couple has not been able to find homes for the young son.

Another daughter, Lt. Barbara Stephens, is an Army nurse at Borden General Hospital, and the youngest daughter, Betty, is a freshman at college.

I would be the last to claim that these 4 women are unusual. As a matter of fact there are hundreds of farm women in Kansas who are just as talented and just as interesting. They represent the best in rural thinking and living. Knowing them, one can understand why Kansas, more than any other state, produces so many boys and girls who later rise to places of national leadership.

ATTENTION! Wool Growers and Dealers

W. F. "BILL" COX

Former Manager and for fifteen years associated with the Midwest Wool Marketing Cooperative

Announces

His association with Bert Lyon & Co. Primary handlers of wool for the CCC.

Bill Says

"With this organization it is my purpose to serve more efficiently, fairly and without red tape or delay my thousands of friends in the wool industry. I invite your correspondence. Wire, write or see me—whether you be grower or dealer, I can serve you."

W. F. "BILL" COX

WOOL MARKETER

307 Delaware Kansas City, Mo.
Telephone: HA2522

Buy More U. S. War Bonds!

Housewives! Bake with
SUCCESS
INSURANCE!

Use
MACA...
The Amazing Fast, Dry Yeast!
Use Just Like Compressed Yeast

Mother Maca



Acts Extra Fast!
Requires No Special Tricks!

• Nothing new to learn when you bake with this fast-acting, quick-rising dry yeast. Use it just like compressed yeast—and turn out a batch of delicious, golden-cruised bread and rolls in a few hours. You'll love the wonderful, old-fashioned flavor Maca gives.



Always Handy!
Keeps Without Refrigeration!

You'll find Maca Yeast a marvelous convenience! Keep a supply on your pantry shelf and avoid extra trips to the store. Yes, even though Maca is used just like compressed yeast, it stays fresh for weeks without refrigeration! Every package is dated for your complete protection.

So enjoy the advantages of compressed yeast and dry yeast combined! Bake with success insurance. Use Maca, the original fast, dry yeast!

TODAY... Maca is serving fighters overseas, so your grocer may not always have it. If he doesn't, ask for Yeast Foam (Magic Yeast). It, too, gives bakings a grand old-fashioned flavor.

NORTHWESTERN
YEAST COMPANY
1750 N. Ashland Ave. Chicago 22, Ill.
COPYRIGHT 1945, NORTHWESTERN YEAST CO.



Photo Courtesy
Deere and Company

CHAMPLIN

HI-VI
Motor Oil

"ON THE GROUND... OR IN THE SKY"

CHANGE TO THIS

New Fighting

AVIATION OIL

Here's a new tractor oil... so clear, so pure, so free from carbon, gum, and other sludge forming elements... it helps clean up motors and to keep them clean.

It's Champlin HI-V-I... refined by an entirely new and different dual solvent process... from 100% Paraffin base Mid-Continent Crude... the finest obtainable.

By accurate measurement... in actual engine tests... Champlin HI-V-I has reduced sludge as much as 500% over ordinary oils.

Naturally this improves compression. There's less chance of stuck rings and scored pistons. And oil consumption definitely is reduced.

So put a touch of spring in your tractor now. Change to Champlin HI-V-I... and keep using it regularly. THE CHAMPLIN REFINING COMPANY, Enid, Oklahoma. Producers, Refiners, and Distributors of Petroleum Products Since 1916.

REMEMBER, the armed Services have first call on ALL CHAMPLIN PRODUCTS.

DEALERS-DISTRIBUTORS: To established petroleum jobbers and dealers, Champlin HI-V-I and other petroleum products offer a splendid opportunity for both present and postwar sales. Write for full details today. Your territory may still be open.



NEW IDEA Power Take-Off Driven TRACTOR MOWER

NEW ORIGINAL BETTER

HAY RAKES

FARM WAGONS

HAY LOADERS

WATCH IT IN THE FIELDS

A tractor pulled, take-off powered mower with highly improved performance, easier operation and greater protection against wear and accidental breakage. Has a power lift to raise cutter bar over obstructions. Quick hitch, absolutely universal—works with any tractor equipped with standard power take-off.

Be sure to see this new, original, NEW IDEA Tractor Mower at work. Production limited this year. Contact your NEW IDEA dealer for further particulars. Literature will not be available for some time.

FREE BOOK Your dealer can supply full information about NEW IDEA Rakes, Loaders and Wagons. Ask also for free book, title "Better Hay"—or write to us direct.

NEW IDEA, INC.
Factories
COLDWATER, OHIO - SANDWICH, ILL.

Partnership

(Continued from Page 1)

Wilson county, has a complicated partnership with his sons, Demont and Harold, but it works wonderfully well for them. They farm from 500 to 600 acres, owned and rented. Each has some land from which he gets all the income. Machinery is purchased individually but used for the common good. They all work together on crops, each helping the others plant and harvest, with the man whose crops and ground are in best condition getting first attention.

If crops are sold the money is divided; if fed, it is fed to all stock with no attempt to divide equally. Last year when it was time to sell the livestock the 3 men went thru the herd and divided the animals equally by grade and marked them. Mr. Sierman does most of the chores and the boys the field work. No records are kept, however, on who does the most work or who has the most expense.

Led to Expansion

Partnership with his sons, Carl Jr., and John, has led to steady expansion of farm operations for Carl Hellwig, Labette county. An invalid for many years and unable to do manual labor, Mr. Hellwig took his sons into partnership as they became old enough. Seventeen years ago he started with 160 acres and 1 cow. The 3 later expanded to 240 acres, then 480 acres, and now farm 640 acres. They have built up a herd of 105 head of cattle, have 50 head of sheep and 300 English Leghorn hens.

The boys do the work and Mr. Hellwig pays all the taxes out of his share, plus providing the original 160 acres that started the partnership. All expenses, including purchase of machinery, are paid out of the common fund and net profits are divided equally among the 3. Each retains one third interest in the machinery and one third interest in all land purchased during the partnership agreement. Each of the boys owns some livestock separately from which he gets all profits.

To start a partnership with his son, Lee, Elmer Clark, of Neosho county, supplied all the equipment and took three fifths of the crops and two thirds of the hay. The boy gradually got a tractor and earned a half interest in all the machinery. Some of their land is rented and the landlord takes his share before the partnership split. Each supplies half the help and expense of farming 500 acres.

Son Takes Over

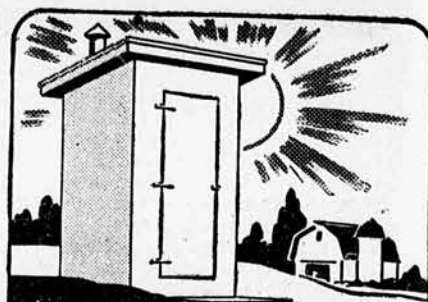
A two-way partnership with his landlord and his son is carried on by Ralph Butler, of Neosho county. He and his son, James, operate 1,200 acres with 560 in cultivation. The son has taken over active management and profits from all stock owned together is split 50-50, as are the profits on crops after the landlord gets his share. Expenses are divided equally. The son has some cattle of his own and rents additional land not in the partnership. What he gets off the home farm in the way of pasture he returns by use of his land as temporary pasture for all stock in the partnership. Mr. Clark said that if he owned the land he would want one third for partnership, one third for his experience and help, with the other third going to the son for his work.

Walter Strong and son, James, of Allen county, operate on a stock-share lease as recommended by Kansas State College. The land belongs to the father who provides the son a home, and equipment is owned equally. Three fourths ownership of livestock is in the father's name and one fourth in the name of the son. Expenses and profits on all operations are figured on that basis.

J. H. Cox and son, Fred, of Saline county, have worked together in partnership for 25 years on a 50-50 basis on expenses and profits. Their program has been to live off the profits from their cows and poultry and put profits from all other operations back into improving or expanding their operations. They operate with a single bank account, as do many such partnerships. The 2 men have built up their cattle program until they now feed from 400 to 500 head a year.

Howard Fry, of Dickinson county, says his father, F. R. Fry, started him off by giving him the income from 3

(Continued on Page 21)



Keep Outdoor Toilet Spick and Span!



Freshen and clean each week with LEWIS' LYE

Sanitizing the outdoor toilet is one of the important and troublesome tasks on the farm. Your best ally for this purpose is high quality Lewis' Lye.

Follow this simple Lewis' Lye 3-Point Plan: (1) Sprinkle Lewis' Lye freely into pit at least once a week. (2) Scrub floors, walls and seat with a solution of 1/4 can of Lewis' Lye in a bucket of water. (3) Screen door, windows and pit—seal crevices to keep out flies.

No other method or material surpasses Lewis' Lye for this use—convenient, effective, economical. Get genuine Lewis' Lye—only 10c a can.

Rely on Lewis' Lye.

PENNSYLVANIA SALT MANUFACTURING COMPANY
Chemicals

20 North Wacker Drive, Chicago 6, Illinois
Department 23DS

Send today for free booklet "Truth About A Lye" on outdoor toilet sanitation and other farm and home uses.



For Better Farm Sanitation

Rely on LEWIS' LYE

SILO Now AVAILABLE

The New K-M Silo First in every feature you want. Beauty, Strength, Durability. Vibrated Curved Staves. Waterproof Cement. Triple Coat of Plaster. Ten-year guarantee. 20 years' experience building silos.

WE HAVE NO SALESMEN

Write, Phone or Wire us direct; or better still, come and see us. Place your order now for early 1945 erection.

KANSAS-MISSOURI SILO CO.
Topeka, Kansas
Kansas' fastest-growing Silo Company—
There is a reason.

SALINA CONCRETE STAVE SILOS

IF IT'S CONCRETE WE MAKE IT Let us tell you about the Silo that is built to last a lifetime. The very latest in design and construction. See the new large free-swinging doors and many other exclusive features. The Salina Silo has been giving farmers perfect service for 30 years. Get the Facts—Write TODAY. The Salina Concrete Products Co. Box K Salina, Kansas

GRAIN BINS

Concrete Stave

We have available concrete stave grain bins. Prompt erection. Write for information.

CONCRETE STAVE GRAIN BIN AND SILO COMPANY
707 E. 7th St. Topeka, Kan.

CURRIE WINDMILLS

Less Than \$26.00

The famous CURRIE—dependable for over 60 years! Guaranteed for 5 Years. Self-oiling or Open-gear, have double gears, internal brake and automatic control. Runs in slightest breeze—built to last a lifetime. PAY ONLY FACTORY PRICE. Prompt shipment on early orders. WRITE TODAY for prices and full information on sizes. CURRIE WINDMILL, Dept. D-2, Salina, Kan. DIRECT TO YOU

Be Sure to Give Chicks GERMOZONE in their drinking water

Liquid, Triple-action Medicine works In Drink—In Crop—In Intestines



Your chicks need reasonable protection against germs and bacteria picked up direct from the ground or litter, besides those spread through the drinking water. Do as millions of poultry raisers have done for 49 years—give them the benefits of Germozone.

Germozone, the liquid, triple-action poultry medicine helps your chicks in 3 IMPORTANT WAYS! 1st. GERMOZONE ACTS IN THE DRINK! Its effective antiseptic action destroys many germs and bacteria there. 2nd. GERMOZONE ACTS IN THE CROP! Ordinary drinking water tablets may purify the water itself, but many germs are picked up from ground or litter—these germs go right into the crop! When active Germozone water is drunk and goes into the bird's crop, this medicine acts against many germs with which it comes in contact, there. 3rd. GERMOZONE ACTS IN INTESTINES! Even after Germozone has used up its germ-killing power in the drink and in the crop, it is still a medicine and has an astringent, soothing action back in the intestines.

Germozone mixes easily, instantly, uniformly throughout drinking water. No waiting around for tablets to dissolve! Give your chicks Germozone—for 49 years it has stood the test of time. At all Lee Dealers (drug, feed, seed store or hatchery).



GEO. H. LEE CO.

Manufacturers of Poultry Remedies
OMAHA 8, NEBRASKA

PRICES
4 oz. bottle . . . 40c
12 oz. bottle . . . 75c
32 oz. bottle . . . 1.50
64 oz. 2.50
128 oz. 4.50

NATIONAL Vitrified SILOS
Everlasting TILE
Cheap to install. Trouble Free. Also Tile Stave Silos. Outside Reinforcing.

NO Blowing In Buy Now
Blowing Down Erect Early
Freezing Immediate Shipment
Rowell Roller Bearing Ensilage Cutters.
Write for prices. Special discounts now.
Good territory open for live agents.

NATIONAL TILE SILO COMPANY
636 Livestock Exchange Bldg.
STATE SIZE WANTED KANSAS CITY 19, MISSOURI!

Black Leaf 40 KILLS LICE

OUR "Cap-Brush" Applicator makes "BLACK LEAF 40" GO MUCH FARTHER

JUST A DASH IN FEATHERS... OR SPREAD ON ROOSTS

**In Saddles
HEREFORD
is the Name**



THE name **HEREFORD** on a saddle is the hallmark of quality. It's your assurance of a saddle built as a saddle should be... from the structurally correct beef hide covered tree to the last detail of embossing or hand-tooling of the saddle leather. **HEREFORD** stands for riding comfort. **HEREFORD** stands for that wanted combination of rugged strength and handsome finish.

HEREFORD SADDLES are still scarce. But if you need one in your work and your dealer can't supply you, write us. We'll do our best to help you locate one.

**GENUINE HEREFORD SADDLES HAVE
BEEF HIDE COVERED TREES**



The "COMMANDO"

Quality from the word go. Made on the new, improved **TexTan Roper tree**. Double rigged, with mohair girth. Full hand-tooled throughout. A handcrafted saddle for men who want the best.



★ SADDLE DEALERS ★

Postwar dealerships are now being arranged. Horsemen know and want **HEREFORD SADDLES**. Write today for information about our **TexTan Dealer Plan**.



"Yoakum" Means Fine Leather

by TexTan

MAKERS OF FAMOUS
TEXAS RANGER BELTS

**Marketing
Viewpoint**

By George Montgomery, Feed Grains, Poultry and Eggs, and Dairy; Merton L. Otto, Livestock.

What will we do with the new wheat crop if the shortage of boxcars continues until harvest?—R. G.

The April crop report indicated that the 1945 Kansas wheat crop would be the second largest in the history of the state. Stocks of grain on Kansas farms on April 1 were the second largest on record, and were one third larger than on April 1, 1944.

With scarcity of labor on farms, at local elevators, and at terminal elevators it would be difficult to handle more than 200 million bushels of wheat even with an abundance of boxcars. There may be some improvement in the car situation by harvest time but the necessity of moving food, army equipment, and raw materials to war plants indicates that the car shortage will continue for some time. There will be little or no opportunity for the railroads to build up a reserve of empty cars in the Wheat Belt as they have done in previous years of large crops. Many local elevators already are filled with grain.

At present it appears that the only solution may be to hold wheat on farms. This will be difficult with shortage of labor. In the central and western part of the state where there is a shortage of bin space, farmers will use the next 2 months for getting bins in condition and remodeling unused buildings for storing wheat. Empty garages, store buildings, and abandoned houses will be pressed into service in many communities.

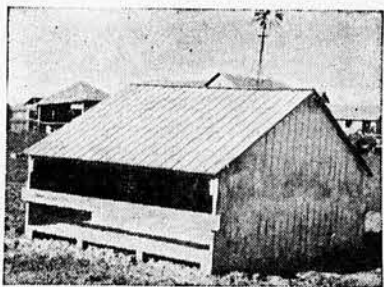
I am interested in feeding quite a large number of hogs for market. Do you think the ceiling price of hogs will be raised?—M. O.

It is difficult to foresee changes in price regulation but in my opinion the ceiling price of hogs will not be raised. However, the hog-corn ration may become more favorable because of accumulating supplies of feed grains. Feed grains can be purchased in surplus areas at less than ceiling prices but transportation is not available for movement. The support price on hogs has been raised from \$12.25 a hundred-weight to \$12.75 at Kansas City, and the effective date of this support price has been extended to September 1, 1946.

I have some early spring lambs that weigh from 70 to 80 pounds. When do you think would be the best time to market these lambs?—I. S.

It would seem advisable to hold these lambs for another 30 to 60 days because with cheap feed available the cost of gains could be reduced during that time; also, heavy lambs weighing around 100 to 110 pounds are popular with packers. Another favorable factor in holding your lambs until later is that the fed lamb crop will be rather well marketed in another 3 or 4 weeks which will cut down competition from that source.

Feed Saver



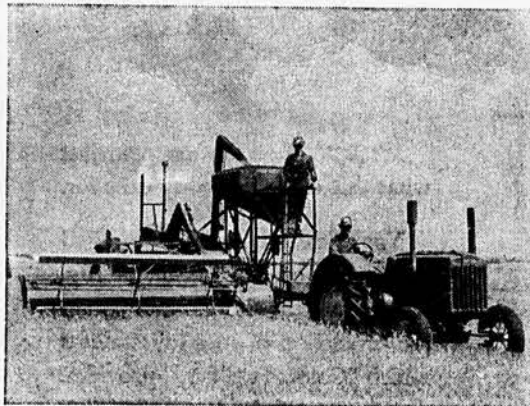
This walk-in self-feeder on the farm of O. E. and Paul Danielson, McPherson county, is a real laborsaver. Floor of the feeder is 8 by 14 feet, but the feeder bin is recessed 3 feet on each side. The roof covers the entire feeding space so that pigs can get in under the roof for protection from the weather, and the recess prevents feed from being pulled out onto the ground. A board nailed across the opening prevents the sows or cattle from helping themselves. The feeder will hold 100 bushels and will accommodate a large number of pigs without frequent refills.



**with a JOHN DEERE
STRAIGHT-THROUGH COMBINE**

Savings in grain and harvest costs add up in a hurry when you harvest with a John Deere No. 12-A Straight-Through Combine. Cutting a six-foot swath the No. 12-A perfectly fits the acreage and pocketbook of the farmer with a small or medium-sized farm.

The extra capacity of the cutting, elevating, threshing, separating, and cleaning units assure outstanding grain-saving performance. Crops are handled in a straight line from the cutter bar on through the machine—no turns or corners to cause piling or clogging. Big capacity, full-width rasp-bar cylinder—extra-large cleaning units—plus the dependability of quality workmanship throughout give owners shorter and lower-cost harvests.



● For the larger farms or custom operators, the John Deere No. 9 Combine is the ideal machine. Full 12-foot cut—steel auger conveyor—big-capacity rasp-bar cylinder—powerful, heavy-duty motor—safety slip clutches—adjustments that are quickly and easily made—these are just a few of its many valuable features.

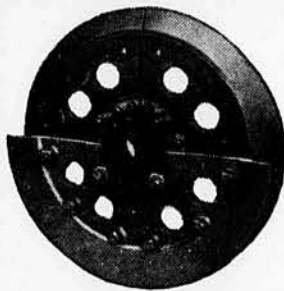
There probably won't be enough combines to fill the demand, so if you need a new one, see your John Deere Dealer at once. He'll do all in his power to get a new combine for you.

JOHN DEERE, Moline, Illinois



**Make an Investment for Victory
BUY MORE WAR BONDS!!**

MODERNIZE YOUR COMBINE



**CHANGE FROM
CHAIN to V-BELT DRIVE**

Westwood Pulleys, quickly centered over old sprockets, will add years of better performance to your combine. These modern drives, equipped with Gates V-belts, minimize vibration and insure a smoother flow of added power.

Drives for all models of Gleaner-Baldwin and MM G2 & G3 combines are available for immediate shipment.

Cutaway view of the WESTWOOD UNIVERSAL solid pulley with interchangeable hub to fit any size shaft. The UNIVERSAL-pulleys for CASE Models K and P, DEERE No. 9, and MM Jr., 8 ft. will be available in limited quantity for 1945 harvest season.

Restricted production will permit us to supply only a portion of the demand; hence early orders will be given preference. If no dealer in your vicinity, write us direct for literature.

Manufactured by SERVICE FOUNDRY

300 N. Rock Island Dept. K Wichita 2, Kansas



OTTAWA TRACTOR SAW



350 Cuts Per Minute
 Make money sawing wood. Use Ottawa—fastest cutting. Cuts large, small logs easiest way. Fells trees. One man operates. Thousands in use. Built to last with heavy, stiff saw blade. Positive safety clutch control; uses power take-off any tractor.
OTTAWA MFG. CO. 8411 Forest Ave., Ottawa, Kans.

FREE BOOK
 and Price List

How Food Situation Looks

(Continued from Page 6)

distribution. The "party" that handles relief food has a pretty potent weapon in holding or gaining control of the government in the early postwar months.

United States military requirements are up 10 per cent this year over 1944, Colonel Olmstead, speaking for WFA,

told the Senate Committee. Civilian requirements from other United Nations and from liberated areas for March this year were twice as much as last August.

"Liberated area requirements for relief feeding in 1945 will reach such a magnitude that they cannot be met from available world supplies without substantial cuts in present allocations to other claimants," said Colonel Olmstead.

Principal "other claimant" to take the cuts is the civilian population of the United States, as is only natural.

"Pipelines" Are Longer

United States military requirements are those of the Army, Navy, War Shipping Administration, and Veterans Administration. Army demands have been increased by (1) increases in troop strength, especially overseas, (2) increases in numbers of prisoner of war and in number of Allied troops supplied by the U. S. Army, (3) increases in military relief requirements, (4) proposed expansion of activity in the Pacific after V-E Day. The "pipelines" from the breadbaskets of the United States to the fighting fronts are nearly twice as long to the Pacific as to the European theater of operations. And it takes twice as much to feed the pipeline originally, altho not so much to keep it full after the operations really get going.

Increased Navy requirements are due to (1) larger numbers of men and (2) need for civilian-feeding programs on Pacific Islands. (Germany made conquered peoples feed her; America is expected to feed the reconquered people and probably before next winter is over, many Germans, also. 'Tis the way of the world.) WSA requirements will continue to increase after V-E Day because of the enormous job of shifting men and supplies from Europe to the Pacific. Veterans Administration requirements are increasing steadily as disabled members of the Armed Forces are discharged into hospitals by the tens of thousands.

That is the requirements picture for our own forces. Military requirements of our Allies are increasing comparably; the only place the increases can be obtained seems to be from the United States. There apparently is no limit, except what we can supply and what can be transported and distributed to the food demands for liberated areas for the next 18 months.

Ask a Question

There is a growing interest in Congress as to just how far the United States can go in meeting all these global demands. Senator Capper, of

Kansas, raised the question a month ago in a radio broadcast that received nation-wide attention—and which he placed in the Congressional record. He reminded that after all there are 2,000 million people in the world, and only 140 million in the United States. Senators Taft, of Ohio, Vandenberg, of Michigan, La Follette, of Wisconsin, and others have raised the question in recent weeks on the floor of the Senate.

Pinch in Foods

Regarding civilian consumption in the principal United Nations, War Food Administration says:

"In the United States total per capita food consumption in 1944 was well above the prewar average. On basis of present allocations for 1945, civilian per capita consumption of meats, fats and oils, sugar and rice will be below the 1935-39 average; also butter, cheese, and evaporated milk. Egg and fluid milk consumption will be higher than prewar.

"In Canada civilian consumption of meats, dairy products and eggs have been substantially above prewar; fats and oils slightly above; sugar lower.

"In the United Kingdom, per capita consumption of these scarce food items has been substantially below prewar except dairy products and eggs.

"In the U. S. S. R. the level of civilian rations is probably lower than in any, if not all, of the liberated areas."

So far as the United States is concerned, civilian supplies of fresh vegetables, fresh fruits, eggs and fluid milk promise to be of record size this year—milk about one fourth larger than prewar. U. S. civilian demands are much higher because of greatly increased purchasing power (and government subsidies to hold down prices increase the purchasing power without increasing the supply at all), plus the fact that civilians cannot purchase automobiles, radios, washing machines, household equipment, clothing, and other things they otherwise would buy. They have 3 main places to put their money: Taxes, War Bonds and food.

Discouraged Production

It now has become apparent that OPA ceiling price adjustments and WFA's misjudging—and mishandling—of hogs particularly last year, have discouraged instead of encouraged meat production, just when these are needed in the greatest quantity. Congressional and country-wide criticism from producers and handlers of meats are resulting in changes in policies that may help the situation by next winter. WFA got from under in supporting hog prices last spring, and now there is a shortage of pigs. Odds are that hog-price support will be moved up from \$12.50 (Chicago) to around \$13 or even better to encourage pork production for next year.

Goals Are Higher

Food goals for this year as set by War Food Administration are higher than for 1944, but no one expects them to be met—expectation is 10 per cent lower.

It is not only that farmers are short of manpower, farm machinery, farm transportation. It is scarcely to be hoped that weather conditions will continue as good as for the last 4 years, altho the break is not yet in sight.

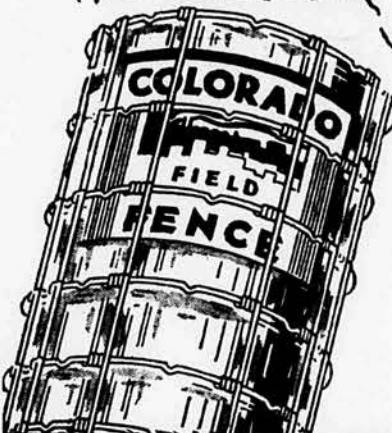
But there also is the added factor that national transportation is deteriorating. Railroad equipment is wearing out—the railroads have done a superlatively wonderful job so far, but they cannot keep it up forever.

War Production Board flatly won't allocate materials for farm machinery, boxcars, trucks for civilian use, until the military authorities give the word. And the military authorities are afraid to turn critical materials loose until after V-E Day, and until they are assured of needed equipment supplies for a Pacific operation the size of which—so far as supplies is concerned—they say they cannot estimate at present.

Autos are going off the road at better than 2 million cars a year right now. Tires for civilian use look farther away than they did a year ago—altho actually they may be fairly plentiful by the middle of 1946; maybe.

Congress, farmers and shippers are getting all steamed up over the boxcar shortage—hundreds of millions of bushels of corn and grain sorghums went to waste this winter and spring because there was no way of getting the feed to elevators for drying and distribution.

Please fence me in!



It's *protection* that counts...just what this close harmony calls for.

Your dealer is receiving limited quantities of Colorado fencing. Keep in touch with him...to obtain the protection of your investments which "Colorado Brand" provides.

The Colorado Fuel and Iron Corporation

DENVER

MAKERS OF COLORADO FENCE PRODUCTS

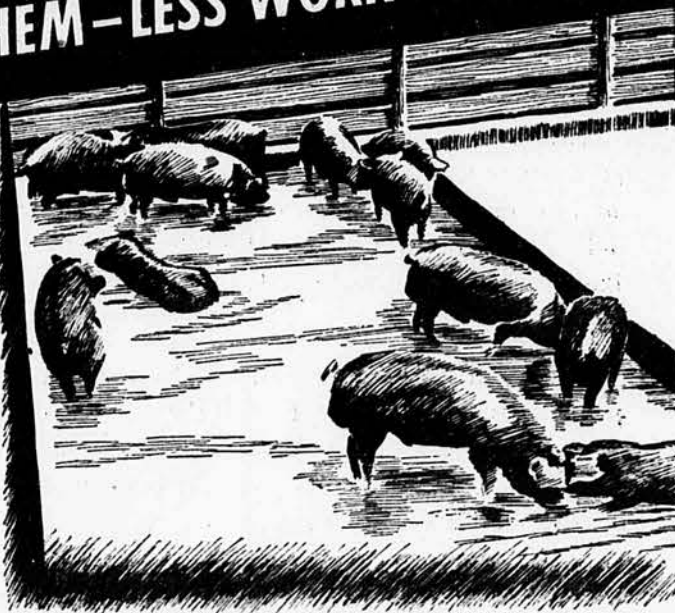
PUEBLO

Concrete hog wallows mean
MORE WEIGHT ON THEM—LESS WORK FOR YOU

Every pig should have a bath tub! Pigs that are clean grow healthier and HEAVIER. A concrete hog wallow makes it easier to keep them clean.

A concrete hog wallow provides the refreshing moisture that hogs need in hot weather. Records kept on farms prove that pigs having access to a sanitary wallow averaged 14 lbs. more gain in weight per pig and required 10 lbs. less feed per 100 lbs. of weight gain than did pigs without a wallow. You can produce more pork with concrete wallows and save more pigs per litter with clean, sanitary concrete floors.

THE MATERIALS USED FOR MAKING CONCRETE ARE EASILY AVAILABLE See your Lehigh dealer about more information on the concrete method of increasing production and lessening work for you.



Drawing from Portland Cement Assn. photo.



LEHIGH PORTLAND CEMENT COMPANY
 ALLENTOWN, PA. CHICAGO, ILL. SPOKANE, WASH.

Partnership

(Continued from Page 18)

acres of crop land. With what he could make from this, plus his work on the home farm and for neighbors, he accumulated enough money to purchase a half interest in the cattle and eventually worked into a full partnership. Howard now has some land separate but all crops are pooled and shared 50-50, as are expenses and taxes. The 2 families live side by side on the home farm, own their chickens separately, and have separate banking accounts.

In 1937, F. F. Davis, of Marshall county, took his son, Franklin, into partnership, pooling all produce, crops and livestock, and paying all indebtedness out of the common fund. The son was given one third of the profits but put his profits back on the farm indebtedness and for machinery. Two years ago he was taken into full 50-50 partnership, all the old debts have been paid and more land was purchased for expansion of operations. Next year the father will retire from active participation and will be reduced to a one third interest.

No written agreement has existed between this father and son to date, but when the father retires a stock-share lease will be worked out on paper. The son is planning to build a new home.

When Son Comes Home

A partnership started with one son, who was called to service, later was transferred to a younger son by Art Cole, Shawnee county. In 1938 he took his older son, Lawrence, into partnership, then gave another son, Wilbur, the same deal when Lawrence went into service. Mr. Cole owns the land and all machinery except a tractor, plow and cultivator accumulated by Wilbur. Mr. Cole gets all profits from grain on the home farm and profits from rented land are split evenly 3 ways among the landlord, Mr. Cole, and Wilbur. Father and son own an equal interest in the cattle and the father supplies all feed in exchange for the son's labor. When Lawrence comes home from the war a 3-way partnership probably will be formed with an expansion of operations.

O. E. Danielson and son, Paul, Saline county, are still working on details of a partnership started about a year ago. Each owns a quarter section of land, cattle are owned jointly, the father owns the machinery, and Paul has an extensive sheep project of his own while the father has hogs separately. At present profits from crops and livestock are divided equally as are the expenses. Paul eventually will gain full ownership.

Have Full Control

A partnership that already has culminated in 2 sons taking over the business from the father exists in Dickinson county, where Evan and Alvin Hoover now have full control of the extensive operations started by their father, A. T. Hoover.

Evan, the older, worked into the firm by renting land and using profits to purchase machinery and build a reserve fund. The father lent him money for planting and harvesting. When Alvin got old enough to come into the deal, Mr. Hoover sold him one third interest, the money to be paid back out of earnings. All 3 worked on a 3-way split for several years. While Mr. Hoover was in the partnership the bank account was in his name and he paid all bills before dividing profits, while each boy had a small bank account for personal expenses.

The 2 boys bought out their father in 1942, purchased an additional 200 acres above 160 acres purchased just before their father retired, and now are in 50-50 partnership. Evan sees to buying new machinery and keeping it repaired while Alvin takes care of planting crops. They share all the other work and carry a single bank account as Hoover Brothers. They keep separate books on all operations, then compare them at the end of the year. They had a written agreement with their father but do not have one between themselves.

Both boys appreciate the fact their father never made them any outright gifts but that he always made it possible for them to make money thru loans, advice and encouragement.

Outstanding characteristic of partnerships contacted was that all parties are contented, not one boy was planning to leave for other fields.



The Seeds
YOU Plant
Are Seeds
of Victory!



Have you ever thought of it this way? We could never maintain such huge armies, on so many far-flung battle fronts, were it not for the unceasing efforts of patriotic farmers . . . planting . . . cultivating . . . harvesting . . . working the round of the clock *for Victory!*

The achievements of our farmers are even more amazing when shortages of manpower and machinery are considered. In order to keep old and tired trucks and tractors doing duty for the duration, farmers have had to be even more particular than usual about proper lubrication.

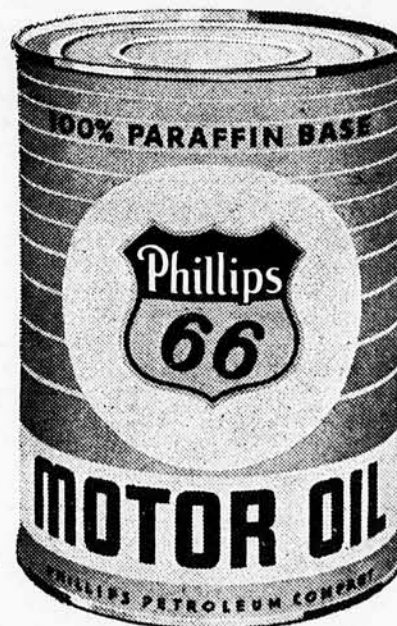
That is why more and more farmers are using Phillips products today than ever before. In addition, more farmers are also making good use of the practical experience and helpful advice of their local Phillips Distributor. The Phillips Distributor will be glad to help you, too, with any lubricating problem.

When you ask him to recommend a *quality* motor oil for your car, truck or tractor, he will tell you frankly—"Of all the oils Phillips makes (and they make many different grades for different preferences and pocketbooks) *Phillips 66 Motor Oil is our finest quality* . . . the highest grade and greatest value . . . among all the oils we offer to farm car-owners like yourself."

PHILLIPS PETROLEUM COMPANY, Bartlesville, Oklahoma

FREE. Send for your copy of PHILFARMER

This condensed farm magazine is packed with pictures, information, entertainment. There's something in it for every member of the farm family. To receive copies regularly, send your name today to: Philfarmer, Phillips Petroleum Co., Bartlesville, Okla.



For Cars, Trucks, Tractors

IT'S PHILLIPS FINEST QUALITY



Set Occo MINERAL COMPOUND before us and we'll set NEW RECORDS IN QUICK THRIFTY GAINS

Brood sows have great need of Occo Mineral Compound both before they farrow and after their pigs are born. Before they farrow, they need the minerals that are in Occo to help them build pigs that are healthy and sturdy...

Yes, be sure your brood sows get Occo Mineral Compound both before and after farrowing. And have it available for your pigs even during the suckling time. Occo contains minerals that help promote digestion and aid assimilation.

Your local Occo Service Man will show you how to adapt Occo Mineral Compound to your feed-lot requirements. Get in touch with him at once. If you do not have his name, you can get it by writing to us. There's no obligation.



Advertisement for batteries with the headline 'Condemned! FOR WANT OF SERVICE' and an illustration of a battery.

BUYING BATTERIES WITH TRICK GUARANTEES MEANS SACRIFICE OF NEEDED SERVICE

There's no need to deprive your farm electric plant of the expert inspection care necessary to keep it in service. That's why DELCO dealers are a selected group of specialists...



DELCO'S unrationed power is something to consider. The amount of useful work a battery will give you and not the number of years it will last (with limited use) is the only true measure of its value.

Beside selling you the best in batteries, your DELCO man is a dealer in all farm electric machines and appliances—water systems, wind generators, Diesel electric generators and many others.

DELCO light batteries are guaranteed for not less than 700 useful work cycles. This means that you can enjoy unrationed power and light. It means, also, that you can expect 10% to 100% more useful work.

DELCO DEALERS IN KANSAS—W. E. Buford, Colby—Rural Gas and Electric, Coldwater—Farmers Co-Op, Oil & Supply, Dighton—Paul Jones, Eureka—A. J. Ingram, Garden City—Home Appliance, Great Bend—H. J. Partridge, Greensburg—Jess Hamilton, Harper—Hays Hardware and Electric, Hays—Zeckser Bros., Herington—Ralph Perkins, Howard—Rounkle Radio, Hutchinson—Cecil Cave, Johnson—H. E. Glantz, La Crosse—Western Hardware, Leoti—C. A. Powell, Manhattan—Brown Furniture, Meade—Dickey Appliance, Medicine Lodge—C. L. Williams, Miltonvale—J. C. Lundholm, Osage City—Elliott Hardware, Phillipsburg—Link Electric, Pratt—Schneider Electric, Quinter—Farm Electric Supply, Russell—Ralph Ward, Salina—Hoover Electric, Scott City—Atwood Implement, Smith Center—Walton Electric, Sterling—Nash Bros., Guyton, Okla.—Weaver Dairy, Enid, Okla.

General Products 122 SOUTH ST. FRANCIS - WICHITA, KANSAS

Factory Distributors — Delco and Diesel Light Plants, Batteries, Wind Generators, Water Systems, Milkers, Separators, Dairy Supplies, Parts

Save This Magazine

and all your other magazines, newspapers, grocer bags, and cartons. Turn them in as Wastepaper

It Is Needed!

Joy and Amazement Wonderful to See

COFFEYVILLE and Montgomery county Junior Red Cross members have received a letter from the captain of a Girl Guide (similar to Girl Scouts) company in Great Gonyea, England, for 50 Christmas boxes which were distributed at a Christmas party for the children.

The Ford county chapter of the American Red Cross at a recent meeting resolved to surpass its record for 1944 this year. No small task, when one looks at the 1944 report which revealed \$3,523.85 of the \$6,046.85 lent by the Red Cross chapter to servicemen and their dependents, has already been paid back.

Junior Red Crossers in the county shipped 1,500 items including 6 knitted afghans, hundreds of nut cups, carnival caps, decorated napkins and Christmas carol books. The 56 nurse's aides on duty spent 4,520 hours in training and 42 aides now on duty gave 3,900 hours to the hospitals since their training.

"The Red Cross is the best thing ever organized," writes T/4 Sylvester Clevenger to his parents, Mr. and Mrs. I. H. Clevenger, of Wakeeney, from somewhere in England, in describing a Red Cross-sponsored visit to his base by little orphan boys from a nearby orphanage.

W. Glenn Ruff, for several years head of the Larned high school music department, has gone to India as a representative of the American Red Cross.

The Seward county chapter of the American Red Cross assumed a new responsibility when it joined the search for a knife for Sgt. Maurice Statton, of Minneola. His aunt, Mrs. W. H. Vickers, of Liberal, was unable to locate one for sale in Wichita or any surrounding cities, so she called on the Red Cross for help in filling his request from overseas.

The Andale Farm Bureau unit last year contributed bandages and articles of clothing to the American Red Cross. In addition, the group donated money toward the purchase of the Red Cross clubmobile.



"Mother is paying me only five cents to wash the dishes!"

Advertisement for Par-O-San disinfectant with the headline 'A PLEASANT-ODOR WAY to Disinfect your Brooder House' and an image of the product bottle.

New and different disinfectant spray... Has a PLEASANT ODOR... Kills common poultry disease germs* on contact, spore bearing organisms excluded. Used as directed, won't harm chicks.

*Germs destroyed include pullorum, cholera, typhoid, fowl pox, laryngo. Use Par-O-San for laying houses, too. Economical; quart dilutes in 25 gal. water. Stainless. Used by leading hatcheries, poultry raisers. Good chicks repay good care, so don't delay disinfecting. Why risk needless loss? Get genuine Dr. Salsbury's Par-O-San now, at hatcheries, drug, feed, other stores. Dr. Salsbury's Laboratories, Charles City, Iowa.

Advertisement for Dr. Salsbury's Par-O-San with the headline 'GET THE GENUINE DR. SALSBUARY'S PAR-O-SAN POWERFUL Pleasant DISINFECTANT'.

HEAD OFF CHOLERA



NOW is the time to have your pigs VACCINATED

before killing outbreaks begin. For dependable safety, have your vaccinating done by your

VETERINARIAN

His knowledge of when best to vaccinate and HOW to do it properly can add greatly to the safety of your herd.

ASSOCIATED SERUM PRODUCERS, Inc.

AIRMASTER WINDMILLS

FIRST CHOICE! for years and years

One generation tells another—and Woodmanse quality wins a reputation of "first choice" throughout the nation. For since 1861, these famous windmills have been delivering a dependable supply of water at the lowest practical cost, to thousands of users.



Advertisement for Woodmanse windmills with the headline 'Woodmanse Since 1861' and a logo.

Separate Ranges Are the Rule

By MRS. HENRY FARNSWORTH

MOST experienced poultry growers have learned the value of raising young chicks away from the hen flock. Separate brooding houses are found on almost every farm, and separate ranges for young and old stock are the rule rather than the exception. In order to have the range available for the chicks when they are ready to turn outside, some planning is necessary before starting to brood. In most cases the brooder house is pulled to fresh ground and the pullets use the house during the growing period until they mature enough to be taken into the laying houses. Sometimes there are permanently located brooder houses where the chicks are brooded until the pullets are 8 to 10 weeks old, when they are moved to range shelters. The cockerels are left in the brooder house until they reach marketable age.



Mrs. Farnsworth

The range may be planned in advance or the shelters may be moved to the edge of some cropped field where conditions are good for promoting rapid growth and health. Oats are quick growing and are easily seeded on range intended for growing stock. Sudan grass and rape also are excellent and are rich in protein. For late hatched chicks the green crops are more important even than for the earlier hatched ones, because the weather becomes hotter and dries the vegetation until it becomes hard, stringy and indigestible. Dry, tough grass may cause many cases of "crop bound" among the young chicks, and cause many deaths. Grasses that are rich in protein make chicks grow rapidly and mature into better fowls, with considerable reduction in the cost of rearing them.

When chicks are outside it is wise to look over the range frequently to see that there are no dead chickens or animals lying around to cause trouble. Cases of limberneck are caused from poisoning which is the result of eating putrid matter. If there are low places where water stands after a rain they should be filled, for such places seem to be preferred by the chicks to their regular water fountains. Drinking from stagnant pools may be the cause of fowl typhoid, coccidiosis, worms or other troubles, that attack unhealthy poultry. Worms especially are likely to do a lot of damage when there is a bare range and puddles of water standing. It is hard to estimate the damage such a range will cause to the chicks. Also, it is difficult to overestimate the value of a thick, green carpet of grass or clovers.

Takes Older Chicks

Buying month-old chicks for her flock of Leghorns is a practice that has proved successful for Mrs. Ellis W. Bishop, Ottawa county. By getting

chicks this age she eliminates losses sometimes sustained when younger chicks are taken, and eliminates some of the care necessary with younger chicks.

Her flock of 150 to 200 Leghorns produce hatching eggs only. She likes chicks hatched about April 1 to come into production in September after being on the range all summer.

Automatic waterers and self-feeders are used in the summer. In winter she feeds a 26 per cent protein commercial feed, kafir and oats in the morning, a wet mash at noon, and corn chop at night. Sour milk is used in the wet mash. Pullets are wormed every 6 weeks, starting when they are 8 weeks old and continuing until they go into the laying house.

Eggs Inherit Quality

The keeping quality of eggs is inherited, states E. R. Halbrook, Kansas State College. Some eggs keep better than others under the same conditions because of the breeding of the hens that laid them.

Experiments to determine the shrink of the thick part of the egg white showed that eggs laid by hens of one line of breeding shrank 62 per cent while those of another line shrank only 33 per cent. This is partially due to some eggshells being more porous than others.

Scientists have proved, says Mr. Halbrook, that egg quality could be improved by selecting breeding stock on the basis of eggs that have comparatively low shrinkage when stored.

Do You Believe It?

Improving egg quality not only raises the price received by the producer but helps build a bigger market among consumers. This fact is brought out in a comparison between the United States and Canada.

Average per capita consumption of eggs in Canada is 390, compared to 347 eggs in the United States. This increase, say those who have studied egg eating in the 2 countries, is due to compulsory grading of eggs and use of federal graders and inspectors in Canada.

An occasional bad and dirty egg turns the consumers against all eggs and one bad egg may cause the housewife to eliminate eggs from the shopping list for many months.

To Trap Hens

Can you supply information as to the construction of trapnests for laying hens?—W. A. T., Neosho Co.

For trapnesting hens, we use the ordinary type of nest, to the front of which is attached a "Sure Trip Trap." These are easily and quickly attached to the front of the nest, work satisfactorily, and are quite inexpensive.—L. F. Payne, Department of Poultry Husbandry, Kansas State College.

Note: Kansas Farmer's Farm Service Department, can send readers address of company manufacturing Sure Trip Traps.

Vitamins for the Aged

By CHARLES H. LERRIGO, M. D.

WHY should a turtle live 200 years and man only 70?" asked Dr. James S. McLester, of Birmingham, Ala., many years ago. The doctor is not only a veteran in medicine but also a master of English. He answered his own question: "It is as reasonable to ask why a turtle can grow a shell on his back but man give himself no such protection." He might also have asked who could possibly crave 200 years of life as a turtle.



Dr. Lerrigo

But man does cling to life, and Doctor McLester in his book, "Nutrition and Diet," concludes that "some of the disabilities of age are due to vitamin deficiencies." Seventy years is no

longer counted a great age. Man's life expectancy has increased surprisingly in the present century. The man who has reached 70 has an expectancy of continued life amounting to nearly 10 years, and the woman nearly 11. And everyone who goes into his eighth decade expects to reach the ninth.

Is it perhaps because of the vitamin discoveries of this century and the urgency that is put upon us thru advertisements that appear in the press and on the radio that all ages shall make use of vitamins? We know that there are no more vitamins available now than in the 19th Century, but nowadays people buy them at drug stores and take them as medicines.

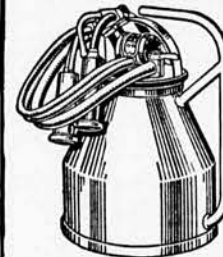
Old people are constantly reminded that the aged need more vitamins than young people. The statement carries some measure of truth. The panada that may satisfy a toothless grandmother contains little variety of vitamins. For such a person the purchase

of vitamins A, B, C, D, perhaps having added thereto special portions of thiamine and niacin thrown in for good measure, might indeed be a very profitable investment. A better way, and one that would give much greater satisfaction to the veteran patient, would be a good set of store teeth and a gradually increasing venture into mixed diet containing the essential vitamins. Such good foods as green beans, asparagus, cabbage, brussels sprouts, grapefruit, kohlrabi, potatoes, spinach and tomatoes would give both taste and substance, as well as providing many of the desired vitamins and minerals. Their introduction in this way would surely be more palatable than taking them as medicine.

Recently we offered thru Kansas Farmer a special letter "Hints for Healthy Old Age." The letter does not say much about vitamins excepting to make a general recommendation. Perhaps you would like one, and anyone who writes to Dr. C. H. Lerrigo, care of Kansas Farmer, may receive a copy providing that a stamped, self-addressed envelope accompanies the request. We believe strongly in the value of vitamins for the aged, as well as for people at other stages of life, and if the most desirable way to get these vitamins is thru a doctor's prescription, we frankly offer no remonstrance.

THE CONDE MILKER

Save Time and Labor with this Fine Milking Equipment



Outstanding Features

- Balanced Pail with Rigid Handle
- Filtered Air
- Dry Pipe Line
- Poppet Type Valves

These are just a few of the many exclusive features to be found in the Conde Milker.

INVESTIGATE BEFORE YOU BUY

MIDWEST DAIRY SUPPLY COMPANY

Factory Distributors
(Dealer Inquiries Welcome)
Phone 486

224 West Fourth Street
Grand Island, Nebraska

NEW TWO-WAY HELP in Raising Chicks

The TWO-FOLD DRINKING WATER MEDICINE

- 1 PROVIDES TONIC BENEFITS (in small doses)
- 2 HELPS CONTROL Cecal COCCIDIOSIS in CHICKENS (in large doses)

Easy to use! Just drop these quick-dissolving tablets in the drinking water. Safe for use in any waterer, even metal.

Can be used for baby chicks—or birds of all ages.

Now you can help chicks more. In Ren-O-Sal, you have a drinking water medicine, plus. To provide chicks or older birds with regular tonic help, use just two Ren-O-Sal tablets per gallon of drinking water, as early and often as you wish. Benefits amaze users of other drinking water medicines. You, too, will be delighted with Ren-O-Sal's ability thus to help your chicks.

Thousands Already Using Ren-O-Sal

After extensive testing, we asked poultry raisers to make their own tests of Ren-O-Sal. From coast to coast they've found it in a class by itself. For, only Ren-O-Sal gives you the combination of ingredients including "Salarson," which we discovered after years of research.

DR. SALSBURY'S LABORATORIES, Charles City, Iowa—A Nation-wide Poultry Service

GET THE GENUINE

Dr. Salsbury's REN-O-SAL

THE Two-fold DRINKING WATER MEDICINE

feed CHICK-A-MEAL today for Greater Profits tomorrow

Give your carefully selected chicks the right start with May Way CHICK-A-MEAL. Here is a baby chick food that contains all of the needs for faster growth and protection from deficiency disease. May Way CHICK-A-MEAL gives chicks the start they need to develop into large, vigorous, profitable, meat birds and layers. Feed May Way. The May Way CHICK-A-CHECK is worth cash to you—Ask your Hatchery and feed dealer.

Poultry Foods **Livestock Foods**
MAY WAY MILLS KANSAS CITY 6, MO.

Classified Advertising Department

DeForest Better Chicks

Buy and Raise Chicks, backed by 19 years of progressive poultry breeding. Over 700 R.O.P. Leg-banded Males used in DeForest supervised flocks.
We Offer: Straight Run-Pullets-Cockerels, in all leading breeds and crossbreeds.
Broadbreasted Bronze Poults in season. "Tube Tested" under U. S. Plan.
Write for prices today.
DeForest Hatcheries, Peabody, Kansas Branches at Marion and Cottonwood Falls

BAKER'S World Famous BABY CHICKS

STRAIGHT RUN AS LOW AS \$5.90 Par 100 PREPAID
 FAMOUS SINCE 1898!... Winners of Three World's Championships! Famous prize winning egg strains. Powered for production! "Balanced breeding" for both meat and eggs. Pullets that lay big eggs and lots of them with low pullet mortality. Cockerels that grow fast into quick market-profit birds.
 15 DIFFERENT VARIETIES... Pure breeds, odd breeds, hybrids, all bloodguaranteed by nationally known poultry expert. Prompt shipment. Liberal guarantee. Write for FREE illustrated literature. Get our low prices before you order chicks. **BAKER CHICKS, Box F, Abilene, Kan.**

BUSH'S SEX-ED CHICKS \$4.95 up

STARTED Wh. Leg. Pullets \$26.95 up
 BUSH offers over 20 popular, money-making breeds. Husky, separately hatched. Bloodtested, free-range OZARK-QUALITY flocks. 40 years in poultry business. 150,000 Customers in 48 states. One of world's largest hatcheries and brooderies. Millions shipped yearly. COCKERELS, \$4.95 up. Day Old Pullets (up to 300 egg strain) \$2.95 up. Hand-picked big English White Leghorn 3-1 Week Old Started Pullets \$26.95 up. Order now for future use.
 1945 Attractive EGG RECORD & CALENDAR CATALOG gives terms, sex guarantees, FOB prices, etc. WRITE TODAY.
BUSH FARMS and HATCHERIES, Box 433-14, Clinton, Mo.

100% Sired by Males from R.O.P. Pedigreed Flocks
INSURED CHICKS

Heavy \$7.90
Breed Special \$1.00 per 100
 P. & E. Victory chicks are 90% insured against death from ANY cause 6 weeks. Insurance policy with each shipment. 14 leading breeds. Fine bloodlines—200 to 325 eggs. Free catalog, also FREE latest copy famous Trill Blazers' Almanac. Write me today. Jim Parker, P. & E. HATCHERY, Dept. 63, Maroa, Illinois

Kansas Approved Pullorum Tested High Production
 Replacement guarantee. Prepaid in 100 lots.
 A.A. Grade St. Run Pullets \$21.90
 Large type Wh. Legh. bf. Min. \$10.90
 Wh. & bd. rocks, S.C. R.I. Reds 10.90 17.90 9.00
 Wh. Wy., bf. orp., N.H. Reds 10.90 17.90 9.00
 Austral-Whites 11.90 21.90 9.00
 Assorted Heavies \$9.50 per 100.
 Free Folder.
MOLINE HATCHERY, MOLINE, KANSAS

WHITE LEGHORNS
 We Specialize in 4 Week Old Pullets

Baby Pullets	Straight Run	Broilers
\$18.00 per 100	\$10.00 per 100	\$2.95 per 100

RICE LEGHORN FARM
 Box 419, Sedalia, Missouri

WHITE LEGHORNS Unsexed \$11.95—95% Pullets \$17.95

 Barred Rocks, White Rocks, White Wyandottes, S. C. Reds, Heavy Asst., 95% Cockerels \$4.95 up. **FREE CATALOG, 25 Breeds**
 Bloodtested—Egg Bred—High Livability. Big savings on early orders. Started Pullets. Write today.
THOMPSON HATCHERY, Box 1337-14, Springfield, Mo.

WHITE LEGHORN PULLETS


SELECT PULLETS—CHOICE GRADE	AAA	AAAA	AAAAA Key Flock
2 to 3 weeks old—Per 100	19.98	21.98	23.98
3 to 4 weeks old	28.95	29.95	30.95
4 to 5 weeks old	29.95	30.95	31.95
4 1/2 to 6 wk. open range	32.95	34.95	37.95

 100% delivery. Give express office; send M.O. Cat Free
BUSH White Leghorns, Box 433-ID, Clinton, Mo.

U. S. APPROVED PULLORUM TESTED CHICKS
 Sexed Pullets \$9.75 per 100 as low as... Cockerels \$2.45 per 100 as low as...
 Write for FREE CATALOG Listing All Breeds
THE WHITE CHICKERY, SCHELL CITY, MO.

Wonderful POULTRY BOOK
 FREE LOW PRICES 48 varieties SEX-LINKED and PUREBREDS: BABY CHICKS, Pullets or Cockerels, also STARTERS, BIRDIES, TESTED FOWLS and Hatching Eggs. ALL FLOCKS BLOOD TESTED FOR B.W.D. Write quick for this fine free book.
GREAT WESTERN HATCHERY, Box 34, Salina, Kans.

DAY OLD and STARTED
 Dependable chicks. Backed by 40 years of Scientific breeding. Our Prices are right. Send today.
RUFF POULTRY FARM & HATCHERY
 Box 150-B, Ottawa, Kan.

AUSTRA-WHITES
COLONIAL Austra-Whites

 Best grade rich in 200-300 egg R.O.P. blood. Double tested for pullorum. As hatched or sexed. Vigorous, rapid growth, excellent broilers. Customers report over 200 eggs per hen. Big Catalog free. **COLONIAL POULTRY FARMS, Wichita, Kansas.**

Big Profit AUSTRA-WHITES
 Sensational MONEY MAKING HYBRID. Customers report broilers 8 weeks, laying 4 1-2 mos. Disease resistant. Hardy Layers. 59,000 chicks weekly. Started pullets. Profit Sharing Plan. FREE Book. Write today.
BERRY BROS. FARMS, Box 502, ATCHISON, KANS.

Super Austra-Whites. America's Greatest Hybrid Strain, scientifically mated by Bartlett Farms. Pedigree record breeding produces unusual quality. Quickest maturing for meat and eggs. Sexed and non-sexed. Reasonable prices. Free literature. Bartlett Farms, 1705 So. Hillside, Dept. B, Wichita, Kan.
Champion Austra X Whites. Records up to 301 eggs per year mean more eggs—High livability—Large egg size—Free literature. Bockenstette's, R. 1, Hiawatha, Kan.

● AUSTRALORPS
 Black Australorps our specialty. Lester D. Fike, Council Grove, Kansas.
● NEW HAMPSHIRE
 World Champion New Hampshire. Records to 342 eggs per year mean bigger egg baskets—High livability—Large egg size—Free literature. Bockenstette's, Hiawatha, Kan.
● LEGHORNS

BIG ENGLISH LEGHORNS

 We really have them. Famous large bodied layers of lots of big white eggs. Direct importers Barron's best bloodlines (up to 305 egg breeding). 24th year continuous flock improvement by a real breeding farm. Thousands of satisfied customers in 36 states say "best money making strain." We can please you, too. Sexed or non-sexed, reasonable prices, bank references. Write for "The Proof" free. **Bartlett Poultry Farm, 1704 So. Hillside, Dept. B, Wichita, Kan.**

Best Production Bloodlines. Brown Leghorns a specialty. Result of 25 years' breed improvement. Best possible livability. Real rustlers and real hustlers—the nest. Bloodtested. Prompt shipment, 100% safe arrival assured. Thousands Weekly. Illustrated broadside Free, low prices. **Krehbiel Hatchery, Box 4, Trenton, Missouri.**

250-350 Pedigreed Sired big Floppy Comb type egg-bred "AAA" English White Leghorn pullets \$16.00. Unsexed \$8.75. Cockerels \$3.50. Four weeks old "AAA" Pullets \$26.00. 95% sex guaranteed. Catalog. **Marti Leghorn Farm, Box G, Windsor, Missouri.**
Krehbiel's Can't Be Beat! Big-bodied, lopped combed Hanson "World's Record Strain" White Leghorns. Top-notch layers of large, chalk-white eggs. Pedigree sired. Bloodtested. Guaranteed. Priced right. **Krehbiel's Trenton Hatchery, Box 2, Trenton, Missouri.**

Special This Month to get acquainted. 4 week olds 25c each. Choice White Leghorns. White Romans. Hybrids. Order direct or get circular. **Imperial, Dept. 27, Box 72, Bethany, Mo.**

Champion White Leghorn Stock. Records to 358 eggs per year mean bigger egg baskets—High livability—Large egg size—Free literature. Bockenstette's, R. 1, Hiawatha, Kan.
Will Have from 2,000 to 2,500 White Leghorn Cockerels twice a week for sale. Would like buyer. **The Palmer Hatchery, Paynesville, Minn.**

● WHITE ROCKS
 None finer for both meat and eggs. Best bloodlines. Pedigree egg sired. Fast growing strains. From Missouri's Great Poultry Belt. Bloodtested. Guaranteed. Write for our low prices. **Krehbiel's Trenton Hatchery, Box 3, Trenton, Missouri.**

● TURKEYS
 Raise Turkey the New Way. Write for free information explaining how to make up to \$3,000.00 in your own back yard. Address National Turkey Institute, Dept. 28, Columbus, Kansas.

Pure Broad Breast Bronze poults and pure and hybrid baby chicks. Order early. Circular free. **Shinnott Hatchery and Turkey Farms, Osage City, Kansas.**

Best Bronze Hatching Eggs. Tube tested. **Yotz Farm, Shawnee, Kansas.**

● PLANTS—NURSERY STOCK
Sweet Potato Plants
 (Soonerland Brand)
 Jersey, Porta Rican, Red Bermuda, Oklahoma Golden. Prepaid 300-\$1.50; 500-\$2.00; 1,000-\$3.75; 5,000-\$17.00. Wholesale lots of 10,000 or larger \$3.00 per 1,000 express collect. All plants produced from seed grown from certified seed.
 Plants freshly pulled, expertly packed, and shipped the same day.
 Soonerland plants are the best money can buy.
THOMAS SWEET POTATO PLANT
 Thomas, Oklahoma

Certified BOYSENBERRIES
 Thornless
 14 yearling \$2.10, 10 two-year or 6 three-year plants \$2.00, 10% packing and postage.
R. H. DIXON, R. 1, HUTCHINSON, KAN.

Vegetable Plants—Large, stately, well rooted, hand selected, roots mottled. Tomato—Earlana, John Baer, Marglobe, Bonny Best, Stone, 200-75c; 500-\$1.00; 1,000-\$1.50; 1,000-\$2.50. Cabbage—Wakefields, Dutch Copenhagen, 200-80c; 500-\$1.25; 1,000-\$2.00. Onion—Crystall Wax, Yellow Bermuda, Sweet Spanish, 300-60c; 500-85c; 1,000-\$1.50; 3,000-\$4.00. Pepper—Sweet, Hot, 100-40c; 300-\$1.00; 500-\$1.50; 1,000-\$3.00. All postpaid. Satisfaction guaranteed. **Culver Plant Farms, Mt. Pleasant, Texas.**

Victory Garden Plant Assortment—200 Certified Frostproof Cabbage, 200 Onions, 200 Tomatoes, 25 Peppers, 25 Eggplants, or Broccoli, Brussels Sprouts, all \$2.00 Postpaid. Express Collect, 1,000-\$2.50; 5,000-\$10.00. All leading varieties. Large harvest selected. Mosspacked. Prompt shipment. Satisfaction Guaranteed. **Jacksonville Plant Co., Jacksonville, Texas.**

Be Weeks Earlier. Blooming size tomato plants. Rutgers, Marglobe, Stone, Pritchard, Bonny Best, 200-\$2.00; 500-\$3.75; 1,000-\$6.00; 2,000 up \$5.00 thousand. Best varieties Cabbage and Onion Plants—\$2.00-1,000. Sweet Potato plants \$4.00 thousand. **Turner County Plant Farm, Rebecca, Ga.**

Strawberry Plants—Hardy northern grown Dunlap, Aroma, Blakemore, Premier, 200-\$2.00; 500-\$5.00; 1,000-\$10.00. Gem or Mastodon ever-bearing 100-\$2.75; 200-\$5.00. 15 Mammoth Rubarb \$1.00. Fresh plants. Prompt shipment. **Iowa Nursery, Farmington, Iowa.**

Sweet Potato Plants. Improved Porto Ricos. Tennessee Nancy Halls 200-\$1.00; 500-\$2.00; 1,000-\$3.50. Prepaid. Prompt shipment and safe arrival guaranteed. **Marvin's Plant Farm, Gleason, Tenn.**

Certified Potato Plants—Porto Rico, Red Velvet, Nancy Hall—Tomato Plants, 300-\$1.50; 500-\$2.00; 1,000-\$3.00; 5,000-\$14.00. Prepaid. **A. O. Bowden, Russellville, Ark.**

Guaranteed. Nancy Hall, Porto Rican potato plants; 500 \$1.35; 1,000, \$2.50. Cash. Quick shipment. **Rotulus Page, Gleason, Tenn.**

Sweet Potato Plants—Nancy Hall, Porto Rico, new ready 500-\$1.50; 1,000-\$2.50. **D & C Plant Co., Gleason, Tenn.**

● FARMS—KANSAS
 800 Acres: 450 under cultivation. Balance good pasture land. All fenced. Six room dwelling, 2 barns. Good water. Prospect for oil under good lease. Located in Sheridan County, Kansas, 9 miles north of Hoxie. This farm is offered for sale to close an estate. **James R. Wilson, Executor, 515 S. Paul Street, Denver 6, Colorado.**

160 Acres, 45 miles south of Topeka, on RFD and highline, 65 plow, 95 bestium pasture, good buildings, good water, possession of buildings, \$45 per acre. **T. B. Godsey, Emporia, Kansas.**

● KANSAS CERTIFIED SEED
Kansas Certified Seed
 Field Inspected and Laboratory Tested
 Be Safe—Plant Certified Seed
 Forage Sorghums: Atlas, Norkan, Kansas Orange, Early Sumac, Leaf Red.
 Grain Sorghums: Blackhull, Western Blackhull, Pink, Club, and Red Kafirs, Colby, Early Kalo, Westland, Wheatland, Midland (Kalo 617).
 Sudan Grass: Wheeler.
 Corn Hybrids: U. S. 15, U. S. 35, K. I. H. 38, Ill. 200, K 1585 and K 1583. Open Pollinated: Midland, Reid, Pride of Saline, Hays Golden, Kansas Sunflower, Colby Yellow Cap, Soybeans: Hongkong and Dunfield, Flax, Alfalfa, Ladak.
 Sweet Clover: White Biennial, Red Clover: Kansas Strain.
 Write for list of growers.
The Kansas Crop Improvement Association
 Manhattan, Kansas

Dependable Hybrids
Kansas-Grown Certified
 U. S. 13 and U. S. 35. Also some uncertified K.I.H. 38A. Prices \$8.00 for medium or large flat, \$6.50 for medium rounds, \$5.50 for large rounds, small rounds or small flat. All corn prepaid.
L. L. UTZ, HIGHLAND, KANSAS

Kansas Hybrid Seed Corn
 State Certified and Kansas Grown. U. S. 13 Hybrid Corn, grown and processed on our own farm.
 Flat Kernels — \$8.50 per bushel
 Round Kernels—\$6.50 per bushel
 Certified Black Hull Kafir—6c pound
BRUNE BROS., R. 1, LAWRENCE, KAN.

Kansas-Grown CERTIFIED HYBRIDS
 K 1583, Ill. 200, U.S. 13 available in all grades. K 1585 and K.I.H. 38 in round grades only. Flats \$8.00 per bu. Rounds \$5.00 to \$7.00. Freight prepaid.
CARL BILMAN
 Holton, Kansas
 Phone 1412

CERTIFIED KANSAS HYBRIDS
 U.S. 13 K.I.H. 38
 YOU WILL SAVE BY WRITING
Ralf E. Hockens, Arrington, Kan.

Certified Norkan 83% Germination, 4.50 cwt. Will take advance orders for Pawnee and Comanche Wheat of 1945 crop. **William C. Robinson, Downs, Kansas.**

Kansas Certified Hybrid Seed Corn. Know the pedigree of the hybrid you plant. K1583, Ill. 200. Order now. **Herbert Roepke, R-3, Manhattan, Kansas.**

Pure, certified seed of Norkan, Early Kalo, Pink Kafir and Midland (the new early combine grain sorghum). Fort Hays Experiment Station, Hays, Kansas.

Certified Blackhull Kafir. Test 95%. Purity 99.5. No mixtures. Price \$4.00 per cwt. **C. C. Cunningham, El Dorado, Kansas.**

State Certified Atlas Sorgo. Germination 90, purity 99. \$4.50 per cwt. **Frank Rudolph, Manhattan, Kansas.**

Kansas Certified Blackhull Kafir, germination 95%, \$5.00 cwt. **Chamberlin Seed Farm, Carbondale, Kansas.**

Certified Hybrids—U.S. 13 and Kansas 1583. Prompt shipment. **Harold Stadt Seed Farm, Ottawa, Kansas.**

Certified Hybrids—K1583 and U. S. 13, nice, large flat kernels only. **Jake Lehman, Horton, Kansas.**

Certified Hongkong Soybeans. Germination 95%, \$5.00 hundred. **Earl Collins, Florence, Kansas.**

Kansas Certified Hybrids—U. S. 35, K1585. Order now. **Ernest Bauer, Broughton, Kansas.**

State Certified Black Hull Kafir, \$5.00 hundred. **James Shaffer, Elk City, Kansas.**

State Certified Atlas Sorgo \$5.00 hundred. **Roland Klaassen, Whitewater, Kansas.**

Certified Hybrids—U. S. 13 and K1583 ready to ship. **O. O. Strahm, Sabetha, Kansas.**

Certified Atlas Sorgo. Germination 93%, \$4.00 Cwt. **F. J. Raleigh, Clyde, Kansas.**

● SEED
ALFALFA \$19.80 Bu.
 Kansas-grown, Lot Crest. Sweet Clover Mixed, bu. \$9.00. We have a full line of farm seeds. Write for prices.
The Salina Seed Co., Salina, Kansas

Alfalfa, Red Clover, Sweet Clover, Lespedeza, also a complete line of field and grass seeds. Write for free catalog and price list. **Standard Seed Company, 19 East 5th St., Kansas City, Missouri.**

● REMEDIES AND TREATMENTS
Liver, Gall Bladder, Constipation, Acid-Rheumatic Sufferers try marvelous medicine. Sample free! Write **Hepatigene, New Paris 1, Indiana.**

MACHINERY AND PARTS OIL FILTERS

Filtered Crankcase Oil is Never Clean Oil But, 10 years' constant service prove Reclaimo the Heated Oil Filter-Refiner's superiority over all oil filters...

NEW AND USED TRACTOR PARTS

Write for big, free 1945 catalogue: tremendous savings, satisfaction guaranteed. Central Tractor Wrecking Co., Des Moines, S. Iowa (formerly Boone, Iowa).

Farm Machinery for Sale—1 used 3-row Case lister on rubber with markers; 2 used Model "L" Case tractors on rubber rebuilt; 1 used Farmall tractor rebuilt on rubber; 1 used "Q" Case ensilage cutter like new; 1 new 13-foot Graham-Home plow; 1 new 12-foot Jeffroy soil control cultivator; 1 new 16-foot Jeffroy soil control cultivator; 1 new 4-row Case tool bar lister for "DC" tractors; 2 new 2-row Case tool bar listers for "DC" tractors; 2 new 2-row Case tool bar listers for "SC" and "DC" tractors; 1 new Innes universal combine pickup attachment. J. M. Crow, Haxton, Colorado.

High Quality, low cost power driven posthole digger. Link-belt tempered steel auger—Blood Bros. universal joints—enclosed gears—power lifted. Immediate delivery for Ford Ferguson, other tractors 30 days. Write Dept. 3, Continental Farm Machine Co., 451 Wilson Northeast, Minneapolis 13, Minn.

For Sale: Plenty of Duck Foot Cultivators, Grain Elevators, and Blowers, also Hammer Mills. On hand, unsold, Kysar Implement Company, Goodland, Kansas.

For Sale—John Deere three-row lister and weeder, 20 T Caterpillar tractor. Ernest Mall, Clay Center, Kansas.

FARM EQUIPMENT

Milking Machines—Don't buy milkers until you have full specifications and information on the finest milkers in America. In stock for immediate delivery. Can be purchased on time-payment plan. Also many hard-to-get items such as 110 and 32 volt cream separators, electric motors, gas engines, soldering irons, poultry brooders and supplies, shallow and deep well water systems, bathtubs and plumbing fixtures, chain hoists, wrenches, hydraulic jacks, milk coolers, electric welders, calf feeder pails, 110 volt A. C. generating plants, irrigation pumps, car and tractor batteries, seal-beam tractor lights, lubricating equipment; in fact, everything for the farm, farm home, and farm dairy. Our prices are less. Telephone, wire, or write at once. Midwest Dairy Supply Company, Factory Distributors, 224 West 4th Street, Grand Island, Nebraska.

Universal Tools: Dandy 8-piece set; Cetees Pliers, Waterpump Pliers, Master-Ratchet Pipewrench, Needlenose Pliers, Crescent Wrench, Diagonal Cutters, Claw or Pein Hammer, Flat Screwdriver—\$14.95. "Immediate Shipment." Overnight by Air to Anywhere—USA. Remit with order. Price list and order blank free. Mail Now! Universal Tool Company, 1527 Grand KF, Kansas City, Missouri. If it's Tools; Remember—we have it, Can Get it or it isn't Made.

Kill Weeds with Fire. Aerol torches destroy parasites, split rocks, has 99 uses. Burns kerosene. Medium size \$20, giant \$24.75, express collect. Sine Equipment, KFA, Quakertown, Pa.

For sale: New and used Ford milkers. Electric and gasoline models available. Simple. Economical, easy to wash. Write to Feedola Sales Co., Box 442, McPherson, Kan.

Potato Growers—Investigate Howry-Berg Dust-ers for root crops. Tractor mount, positive feed adjustable to eight rows. Ann Arbor-Khughart Co., Kansas City 6, Mo.

Farm Wagons for Sale. Immediate shipment. For prices write National Trading Company, Hickory, North Carolina.

ELECTRICAL EQUIPMENT DELCO LIGHT

Large Stock Genuine Parts for all models. Plants—Pumps—Batteries—Wind Plants Modern Shop. Repair any Delco Equipment Factory Distributors General Products, Wichita, Kansas

Electric Plants—New and rebuilt Kohler plants; rebuilt Delcos and Westinghouse. Parts for these plants and Farm Light Batteries available. 29 years in this business. Republic Electric Company, Davenport, Iowa.

Light Plant Batteries. Dealers write for open territories. Jumbo Mfg. Co., Spencer, Iowa.

AUTOMOTIVE

Stuck for Hard to Get Truck or Auto Parts? We've got 'em. Guaranteed. Also tire recapping grade A rubber. Low prices. Prompt Service. Write National, 4056 N. Kedzie Ave., Chicago 18, Ill.

Having Car Trouble? New, Used, Guaranteed auto, truck parts save money. Transmission specialists. Describe needs. Immediate reply. Victory, 2439AO Gunnison, Chicago 25.

LIVESTOCK ITEMS

For More Farm Profits, raise Milking Shorthorns! Indisputable records—on farm and contest—prove they're best all-around breed. Thrive under average farm conditions. Dual-purpose—they produce profitably 4% milk and have greatest salvage value of all milk breeds. Get Free facts. Or subscribe to Milking Shorthorn Journal. Trial subscription, six months, 50c; one year, \$1.00. Milking Shorthorn Society, Dept. KF-5, 809 W. Exchange Ave., U. S. Yards, Chicago 9, Illinois.

How to Break and Train Horses—A book every farmer and horseman should have. It is free; no obligation. Simply address Beery School of Horsemanship, Dept. 434, Pleasant Hill, Ohio.

Abortion Vaccine—government licensed strain 49—saves calves, builds clean herds. Free literature. Kansas City Vaccine Co., Dept. P, Kansas City 15, Mo.

DOGS—HUNTING—TRAPPING

English Shepherd: Puppies. Breeder for 22 years. Shipped on approval. 10c for pictures and description. H. W. Chestnut, Chanute, Kan.

Fish Bait—Over 20 recipes and suggestions only 10c. Many favorable reports received. Fisherman, 1715 Lane, Topeka, Kan.

Shepherds, Collies, Healers, Watch Dogs. E. N. Zimmerman, Flanagan, Illinois.

Wanted, Fox Terrier puppies. Box 261, Stafford, Kansas.

RABBITS AND PIGEONS

Giant Chinchilla Rabbits. Valuable Fur. Delicious meat. Easily raised. Pleasant pastime. Tremendous demand. Small investment. Large profit. Willow Farm, R44, Sellersville, Penna.

AUCTION SCHOOLS

Learn Auctioneering. Free catalog. Write. Reisch Auction School, Austin, Minn.

When Alfalfa Bloats

Experiments conducted at the California Agricultural Experiment Station disclosed that bloat in cattle most often occurs on thick, immature stands of alfalfa or clover. In one series involving 42 cases, no cow bloated until she had been on pasture for 1 1/2 hours. Of the 42 bloated cows, 27 bloated during the first 3 1/2 hours. Animals that have had all the hay they want for at least 2 days before being turned out to pasture are less likely to bloat.

Results of the tests indicate the most dangerous stage in which to pasture alfalfa is just before the upper alfalfa stems get tough, or shortly before bloom stage. In older stages the alfalfa is coarse enough to stimulate belching.

The best preventive measure found in these studies is feeding Sudan hay, or pasturing on Sudan grass overnight prior to pasturing on alfalfa.

Severely bloated animals can be saved, the experiments proved, if they are treated promptly with 2 ounces of undiluted turpentine given with a dose syringe. Sometimes a second treatment was necessary.

Mixtures of grasses with legumes cause much less bloat than alfalfa, and bloat rarely occurs if grasses make up at least 50 per cent of the mixture, it was reported.

Clean-Up Aid

Ordinary whitewashing of farm structures helps keep them attractive and clean, but addition of a small amount of formaldehyde arrests decay, kills disease germs, controls offensive odors and molds, and generally promotes sanitation, say DuPont authorities. Formaldehyde alone, in dilute form, is an effective disinfectant, fungicide, germicide and deodorant, both inside and outside the home.

A 14-quart pail of a whitewash-formaldehyde solution can be formulated by using 7 pounds slacked lime, 6 ounces glue, 6 ounces formaldehyde, and 2 1/2 gallons of water.

Must Measure Dams

Pond dams built under provisions of the agricultural conservation program must be measured to make sure they meet the minimum specifications for a good dam, says Lawrence Norton, state chairman.

Where new contractors are doing the work or where the program is new, AAA representatives find some dams not up to specifications, and payment cannot be made from public funds unless the work meets the requirements.

If you are building a pond dam be sure you know the requirements and see that the contractor fulfills them, says Mr. Norton.

BUSINESS OPPORTUNITIES

Dealers—Hardware stores, Implement stores, Farm Store Dealers, interested in the sales of high-quality lines of milking machines, cream separators, electric motors, gas engines, water systems and many specialty items, contact us at once for complete information and catalogues. Midwest Dairy Supply Company, Factory Distributors, 224 West 4th Street, Grand Island, Nebraska.

Wanted: Men or women to operate cream and produce station in eastern Kansas or western Missouri. Equipment and check book for cream furnished. Also man to help you start a business for yourself. Write P. O. Box 4026, Kansas City, 7, Mo.

Sod to Break—Greeley County; Kansas' finest wheat land. 5 year lease, \$2 acre breaking 320 to 960 acre units. Aaron Bell, Stafford, Kansas.

PRODUCE WANTED

Ship your cream direct. Premium prices for premium grade. Satisfaction guaranteed on every shipment. Riverside Creamery, Kansas City, Mo.

FINANCIAL

Farm Loans Wanted—No commissions or stock purchases required. Current rates. Address: Baker University, Box 92, Baldwin, Kansas.

HELP WANTED

Wanted—Dairy Plant Manager. Pasteurizing and bottling milk. \$50.00 weekly and up. Box 65, care Kansas Farmer, Topeka, Kansas.

OF INTEREST TO WOMEN

Eastside Maternity—Seclusion Hospital for unmarried girls. State licensed. Working. Tuces expenses. 4911 E. 27th, Kansas City, Mo.

Quilt Pieces—Colorful new Cotton Prints, 2 pound box and Quilt Pattern Book \$1.25 postpaid. Wayne Fox, Pleasantville, New Jersey.

FEATHERS WANTED

Uncle Sam Urgently Needs Feathers for Army Hospital pillows, sleeping bags, etc. Top ceiling prices. White and colored Goose—\$1.37 1/2 per lb. White and Colored Duck—\$1.10 per lb. Also goose and duck quills (wing and tail feathers). Send samples of used feathers for quotation. All shipments accepted. Remittance same day feathers arrive. Midwest Feather Company, 1650 W. Ogden Ave., Chicago 12.

New and used Goose and Duck Feathers wanted. Best prices paid, payment day received. Send for latest prices and shipping labels. Established 1917. Northern Feather Works, 1523 Kingsbury St., Chicago, 22, Ill.

FOOD FIGHTS FOR FREEDOM... Start 'em Right... POULTRY RAISERS! Give your chicks a REAL START with Dannen Chick Starter... DAIRY FARMERS AND CATTLE RAISERS! Dannen Calf Meal has been scientifically formulated to give your calves the proper nourishment... HOG RAISERS! Dannen Sow and Pig Meal can help you make more pork profits this year... DANNEN FEEDS AT YOUR LOCAL DANNEN DEALERS

★ BUY MORE WAR BONDS and SAVINGS STAMPS ★

KILL LIVESTOCK PESTS... before they kill your profits!

FIGHT GRUBS, LICE, TICKS, MANGE, VERMIN, FLIES, MOSQUITOES... This Effective, Labor-Saving, Proved Way!

The Automatic Currying and Dipping Machine is on the job 24 hours a day, all year round. Livestock use it as the need arises, when it arises! In one operation, your livestock curvy their coats, and apply pest-repelling medicated dip oil. The animals do the work... you reap the harvest of saved time... saved labor... and MORE PROFITS! Here's the practical way to rid livestock of GRUBS, WOLVES or WARBLES, LICE, FLIES, SKIN DISEASE. Makes cattle gain faster... saves hides... saves fences, feed-bunks and buildings from destructive rubbing. All Steel Construction... Easy to Install... Inexpensive... For Cattle, Horses, Hogs... Will Last a Lifetime!



AUTOMATIC EQUIPMENT MANUFACTURING CO., PENDER, NEBRASKA



MAIL COUPON TODAY FOR FREE FOLDER

AUTOMATIC EQUIPMENT MFG. CO. Pender, Nebraska Gentlemen: Please send me your descriptive folder on your Automatic Currying and Dipping Machine and the name of your local dealer. NAME... ADDRESS... CITY... STATE... I have... head of livestock.

Dairy CATTLE



**R. C. FRAMBERS
DISPERSION
In connection with the
ARKANSAS STATE
GUERNSEY SALE**

**Ft. Smith, Ark., May 1
60 HEAD**

Including the usual top cattle from the leading southwestern breeders together with 20 head of the top of the Frambers herd, which includes a splendid 3-year-old son of Langwater King of the Meads and 7 fine young daughters.

Also several females that topped southwest sales in recent years.

For sale catalog write to
**MORT WOODS
Sale Manager Ardmore, Okla.**

Reg. Guernsey Auction

Livestock Pavilion, University of Missouri
Columbia, Mo., May 4

**Over 55 Head of High-Quality,
Dependable Guerneys Will Sell**
This is the 8th Annual Missouri Guernsey Breeders' State Sale

Over 50 FEMALES and 6 BULLS
Consignors from 6 states sell individuals with high production and the most popular breeding. Everything carefully selected for this sale. All T.D. Bang's and mastitis tested. Write for catalog today to H. A. Herman, Secretary, 101 Eekles Hall, Columbia, Mo.

**MISSOURI GUERNSEY BREEDERS' ASSOCIATION
Johnson, Powell, Davis, Auctioneers**

GUERNSEY INCOME

The GUERNSEY Brand and Breed Program is the farmer's assurance of future income. Read "How The American Guernsey Cattle Club Helps To Make Breeding Fascinating and Profitable". This valuable FREE booklet will pay you dividends. Send Now!

**THE AMERICAN GUERNSEY CATTLE CLUB
253 Grove Street, Peterborough, New Hampshire**

Registered Guernsey Bulls

Six bulls for sale, 6 to 18 months old. Grandsons of Bournedale Rex. Priced right.
ORLANDO UNRUH, MOUNDRIDGE, KAN.

HOLSTEINS PAY ALL THE WAY

In the end most cows are sold by the pound. At the butchers scale Holsteins bring the most for they are larger. They are heaviest producers during active years—They sell for most when done.

Write for free booklet.
**HOLSTEIN-FRIESIAN ASS'N
OF AMERICA • Brattleboro, Vermont • Box 215**

BULL CALVES FOR SALE

We bred and developed the first and only Holstein cow in Kansas to produce 1,000 pounds of fat in 365 consecutive days. Young bulls with high-production dams or granddams.
H. A. DRESSLER, LEO, KAN.

BULL CALVES FOR LEASE

Hi-grade Holstein bull calves for lease (50-50 basis). Dams' records 400-500 lbs. fat, 305-day record, D. H. I. A. Calves sired by proven bull.
**B. C. UNRUH & SONS
Box 44 Pawnee Rock, Kan.**

OFFERING REG. HOLSTEIN BULLS
Five from 5 to 15 months old. Heavy producing dams. The blood of national champions and state record cows.
Gilbert Beagel, Alta Vista, Kan.

Jersey Bull for Sale

He is Gaywood Victory Butter King, 3 years old coming May, a real bull in production, individual and disposition. Granddam from sire's side, White Way Lady, 682.5% fat as a 2-year-old. This bull was bred by C. A. Sterling, Topeka, Kansas.
EWALT KOLTERMAN, WAMEGO, KAN.

Most Promising Youngsters

These two we have—Young Jersey Bull Calves ready for light service by late fall. Shortage of room forces us to move them at once—such calves as these are worth at least \$125 each. We offer them at \$75 each! Registered, transferred to you at that price, FOB Hutchinson.
ROTHERWOOD JERSEYS, Hutchinson, Kan.

CHOICE JERSEY BULLS

—ready for service. Excellent breeding. Priced reasonable.
BROOKSIDE STOCK FARM, SYLVIA, KAN.

**BUY UNITED STATES
WAR SAVINGS BONDS**

IN THE FIELD



**Jesse R. Johnson
Livestock Editor
Topeka, Kansas**

Scattering reports coming in from several hundred livestock breeders indicate more than usual activity for this season of year, and give a good general idea of what happened during 1944. The first 15 beef cattlemen, including dual-purpose breeders, report they have sold at private sale a total of 140 bulls and 111 females to Kansas buyers. During the same period a total of 24 head, including males and females, were sold to buyers outside of Kansas. The survey reports to date picture a heavier demand for all kinds of breeding cattle than in the year just passed.

F. E. WITTUM AND SON, Poland China breeders of Caldwell, report favorable crop and livestock conditions in their part of the state. Just about the right amount of rain, followed by good growing weather. They also find heavy demand for all kinds of breeding stock.

EARL and EVERETT FIESER, Spotted Poland China breeders of Norwich, report the best year in the history of their operations. More than 85 head were sold at private sale and every one remained in Kansas. Their most recent sales were a group of 10 gilts with an unrelated boar, and another of 5 gilts with a boar. This cleans them out of gilts for the present.

W. R. HUSTON, of Americus, reports more than 200 pigs to date and a dozen sows yet to farrow. With alfalfa 6 inches high in his locality, plenty of old corn and good prospects for a big crop again, the hog situation is exceptionally good. The understanding was that Mr. Huston was closing out last year but it was more difficult to break off a lifetime habit than he thought, and so he stayed in another year.

The **JANSONIUS BROTHERS** Hereford sale, held at Phillipsburg April 9, was attended by about 500 interested buyers and spectators. The average on 29 bulls was \$240, with 22 of them yearlings, and 7 head 20 months old. The female average was \$201 on 15 head of 2-year-olds and 17 yearlings. The top price was \$410 paid by Jake Jansonius, of Prairie View. The general average on the 61 head was \$220. Fifty-four stayed in Kansas. Fred Chandler was the auctioneer.

Five hundred Hereford breeders, farmers and friends jammed the fairgrounds sale pavilion at Winfield, for the **WALTE BROTHERS'** April 7 Hereford sale. The atmosphere of neighborliness that prevailed spoke eloquently for two generations of honest effort in building better Herefords. Kansas buyers bought approvingly and took the bulk of the offering. However, other states were strong contenders. The top bull went to Schermerhan Farm, Mahanomen, Minn., at \$900. Thirty-three head went back to Kansas farms. The entire offering of 41 head, many of them quite young, averaged \$320, bulls and females averaging about the same. Mrs. Leon Waite, mother of the boys, attended and took interest in every activity. Col. A. W. Thompson was the auctioneer, assisted by fieldmen for the different publications.

A heavy storm the night before, continuing most of the following day, cut the buying crowd at the **NORTH CENTRAL SHORTHORN SALE** held at Beloit, April 3, but as always the territory of Western and Central Kansas was well represented. The 27 bulls, varying in age and selling condition, sold for an average of \$173, and 26 females made an average of \$148. General average of the 53 lots was \$160. The top female, a cow and her calf, consigned by Spencer Young, of Osborne, went to E. M. McLeod and Son, of Marysville, at \$305. Henry Dietz, of Wakeeney, purchased the high bull at \$340, consigned by F. A. Dietz, Howard Wertz, of Quinter, was a bull buyer at \$300. Frank Mills, of Alden, bought a female from the Spencer Young consignment at \$225. James T. McCulloch was the auctioneer, assisted by Frank Mills and others.

LULL AND DIEHL, of Smith Center, drew the worst day of the season for their first Hereford sale, held on April 3. But something in the messages that had gone out regarding the offering, together with knowledge of the popular bloodlines, brought enough buyers to roll up a general average of \$315 on the 48 lots. The bull average was \$295 on 16 head sold, while females averaged \$326 on 32 head. Most of the bulls were quite young, many of them just past a year old. The top bull sold for \$440, going to Gene Rhudy, of Girard. Robert Champlin, of Jamestown, paid \$425 for the second top bull, and A. M. Barbour, of Tulsa, Okla., took 4 cows with calves at foot at \$400. Following the sale Mr. Barbour purchased the herd bull WHR Craftsmen 28th at \$5,000. The cattle went to Kansas, Oklahoma and Nebraska. The offering was presented in good breeding form and met with general approval. Fred Chandler was the auctioneer.

In his fourth annual sale held at Clay Center, April 14, **GLEN I. GIBBS**, of Manchester, sold 18 bull calves and 11 heifers with ages running from 11 to 14 months, for a total of \$4,202.50. The calves were of high quality and

F. E. LULL, of Smith Center, writes as follows after his April 7 Hereford sale: "I realize you are always glad to hear of favorable comments concerning your paper, so I will tell you that we considered the advertising in Kansas Farmer instrumental in bringing us many inquiries for the catalog of our sale. We thank you for this service."

breeding but without a particle of fitting. They had started to shed, making their coats patchy, and they looked worse because of being out in the all-day rain. But the sale was held in line with Mr. Gibbs' policy of growing Herefords for home consumption. Among the buyers as always were many former customers and others who had braved muddy roads knowing the sale contained cattle bred and handled for future usefulness. It was brought out in the sale that small buyers have in many ways contributed much more to general Hereford popularity than many of the more prominent breeders. In past years bulls have been bought in sales such as this one by men who never could have been interested in excessive prices. The top bull went to Pete Young, of Morganville, at \$205. Cecil Fowler, Clay Center, also took one at the same price. The bull average was \$147.50. Buyers were present from Mitchell, Dickinson, Riley, Marshall and Washington counties. Clay county took the larger share of the offering. In the same sale Dr. Whelan, of Concordia, sold 5 young bulls at an average of \$141. Ross Schaulis was the auctioneer.

The **GERALD M. JENKINS** Guernsey cattle dispersal held at Wichita April 7, was the occasion for a big crowd and prices that virtually set a new high for registered Guerneys in Kansas. The bulls, including mere calves, brought an average of \$450 and females of all ages averaged \$383.60, with a general average of \$450 on all registered animals. The entire offering comprised 37 registered animals and 8 grades. The top cow sold for \$1,250, going to William Y. Gilmore, Jr., of Oak Park, Ill. One choice young cow sold for \$920, and her bull calf brought \$500. The grade cattle averaged \$350. Prices received for dairy equipment were in line with the cattle prices. Kansas buyers put up a good fight but many of the tops went to other states. The first 11 head selling averaged more than \$700 a head. Because of the illness of Boyd Newcom, C. W. Cole did the selling in a highly satisfactory manner, according to Mr. Jenkins.

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	\$17.00	\$16.65	\$16.40
Hogs	14.50	14.50	13.70
Lambs	16.25	16.75	16.35
Hens, 4 to 5 Lbs.	.25	.25	.25
Eggs, Standards	.33	.33	.30
Butterfat, No. 1	.46	.46	.47
Wheat, No. 2, Hard	1.78½	1.78½	1.72
Corn, No. 2, Yellow	1.14	1.15½	...
Oats, No. 2, White	.77	.82	.87
Barley, No. 2	1.18	1.22	...
Alfalfa, No. 1	24.00	30.00	27.50
Prairie, No. 1	18.75	19.00	18.00

★ AUCTIONEERS ★

**Chas. W. Cole
Auctioneer**
Offers the kind of service that will add more dollars to your auction. Arrange your sale date early.
Wellington, Kan.

Buyers Pay the Auctioneer
If he is capable, understands his audience and knows values. His fee is reflected in increased profit to the seller.
**HAROLD TONN
Haven (Reno Co.), Kan.**

**BERT POWELL
AUCTIONEER
LIVESTOCK AND REAL ESTATE
1531 Plass Avenue Topeka, Kan.**

Livestock Advertising Rates
½ Column Inch.....\$2.50 per issue
¾ Column Inch.....3.50 per issue
Per Column Inch.....7.00 per issue
One-third Column Inch is the smallest ad accepted.
Kansas Farmer is now published on the first and third Saturdays of each month, and we must have copy by Friday of the previous week.
**JESSE R. JOHNSON, Fieldman
Kansas Farmer - - - Topeka, Kansas**

**McKENNY & SON Annual
Aberdeen-Angus Sale**
At Sale Barn on Highway 71 at South Edge of Maryville, Mo., Monday, May 14, 1 p.m.
75 LOTS SELLING: 25 Cows, one half of them will have calves at side by sale day. Remainder to calve during summer months. Six 2-year-old Bred Heifers; 30 Yearling Heifers; 14 Bulls, mostly serviceable age.
THE BEST IN BLOODLINES: Families represented are Bandy Maid of Tullock-Gribban, Miss Burgess, Missouri and McHenry Barbaras, Juana, Elsa and Elba Ericas, Blackcaps, Ballindallock Blackbirds.
If you want to buy Registered Angus not highly fitted, this sale offering will appeal to you. Everything Tb. and Bang's tested.
For Sale Catalog Write to J. F. McKENNY & SON, KING CITY, MO.
Auctioneer—Ray G. Johnston, Belton, Mo. Bert Powell with Kansas Farmer

Dairy CATTLE

TWO AYRSHIRE BULL CALVES
—for sale. Sire—Vista Grande Empire, son of the noted Vista Grande King App. Dams have good type. One very good, with 500 lbs. B. F. at 2 years old. The other dam, a 2-year-old, not classified and is producing over 40 lbs. milk a day. Granddam of calves is an Excellent cow with over 400 lbs. B. F. at 12 years. Also two heifer calves for sale.
Harrison Unruh & Sons, Hillsboro, Kansas

**REGISTERED AYRSHIRES
For Sale**
Cows and heifers, six months old and over. Good quality and bloodlines.
Jerry Lu Lebeda, Caldwell, Kansas

AYRSHIRE DAIRY CATTLE
PERFECT UDDERS—IDEAL TYPE—BEST OF GRAZERS. Write for literature or names of breeders with heavy-producing 4% milk stock for sale. **AYRSHIRE BREEDERS' ASSN., 260 Center Street, Brandon, Vermont.**

Dual-Purpose CATTLE
MILKING-BRED SHORTHORN BULLS
from calves to 2-year-olds, out of Register of Merit cows. Will also spare a few females. Good quality and best of breeding. Reg. Spotted Poland pigs ready to wean about May 1.
H. R. LUCAS, MACKSVILLE, KAN.

TRY MISSOURI MILKING SHORTHORN BULLS
Offering Bull Calves, ages 1 to 3 months. They are sired by Nattick General, Missouri grand champion and all-American bull 1938. Prices and description on request. Inquire of **JOHN OWENS, R. 1, CHILLCOTHE, MO.**

SPRING VALLEY MILKING SHORTHORNS
A choice 18-month-old roan, son of Nauvoo Champion and two 17-month-old red sons of Woodlyn Bates, out of granddaughters of Brookside Clay 13th.
PAUL J. STUDD, ADA, KAN.

ELDORA MILKING SHORTHORN FARM
Home of cattle with production and quality. Tb. and Bang's clean. Bull calves for sale by Hollandale Keystone.
**GARY BROWN & SONS
Route 3 Great Bend, Kan.**

Duallyn Milking Shorthorns
Bull calves, including one of serviceable age, for sale. Bulls from Duallyn now head some of most noted Eastern herds. Home of two National Champion cows—each the product of several generations of Duallyn breeding.
JOHN B. GAGE, EUDORA, KAN.

MILKING SHORTHORN REDUCTION
100 head in herd, reduction necessary. Young bulls, cows and bred heifers. Best of type and breeding. Description and price on request.
Johnston Bros., Brewster, Kan.

HORSES - JACKS

JACK FOR SALE OR TRADE
A good one, 6 years old, black with white points. For sale or trade for mules, mares, saddle horses, calves or hogs.
**WARREN H. MILLS
Phone 5F6 Mulvane, Kan.**

JACKS and JENNETS FOR SALE
Some extra fine Jacks. Serviceable age. Several Jennets.
WATTS BROTHERS, LECOMPTON, KAN.

Belgian Stallion for Sale
6 years old, registered. A sure and good sire. Can show his colts. Broke to harness. Bred by Kansas State College. Priced for quick sale.
**GEORGE E. SCHURLE
Route 1 Manhattan, Kan.**

SHEEP

SHROPSHIRE SHEEP REDUCTION SALE
On farm near **Pretty Prairie, Kansas**
Tuesday, May 8
60 HEAD, Comprising
20 Stud Rams
30 Show and Breeding Ewes (some with lambs at side)
40 4-H Lambs
Sale starts at 1:30, farm located 18 miles south of Hutchinson, 35 miles west of Wichita (take Highway 96 to Andale, then 16 miles due west).
**HERMAN SCHRAG (Owner)
Pretty Prairie - - - Kansas
Auct.: Matt Glefer Clerk: Emil Krehbiel**

Beef CATTLE



Ravensteins' Third Annual Polled Hereford Production Sale

At Willow Creek Stock Farm, 1 1/2 miles south and 1 3/4 miles east of BELMONT, Kingman County, Kansas

Saturday, May 26

- 46 HEAD (tops of our 1944 calf crop)
16 Bulls (12 to 18 months old)
23 Heifers (bred to WHR Leskan 2nd)
7 Choice Open Heifers

JOHN RAVENSTEIN & SON
Cleveland, Kan.

WALBERT J. RAVENSTEIN
Belmont, Kan.

Auctioneers: Fred Reppert, Harold Tonn
Jesse R. Johnson with Kansas Farmer

Registered HEREFORDS

Serviceable Bulls of Prince Domino and Prince Domino Mixer bloodlines. Priced to sell.
Arthur Attwood, Silver Lake, Kan.

30 Prince Domino Cows, Heifers and Calves

Also my Prince Domino herd bull. Have sold my farm and have no place to keep them. Good quality and priced right.
MORRIS ROBERTS
2301 16th St., Great Bend, Kansas

Cedar Nole Hereford Farm

Bulls 6 to 18 months old, sired by M. L. F. Dandy Domino 7th. Also bred and open heifers.
RAY RUSK & SON, WELINGTON, KAN.

Registered Polled Hereford Bulls

(For Sale)
12 and 13 months old. Smooth headed, smooth bodied. Sired by Marvel Domino. Priced to sell.
O. J. SHIELDS, LOST SPRINGS, KAN.

POLLED HEREFORDS

REGISTERED BULLS, 8 months to serviceable ages. Extra good bone, type, quality and breeding.
JESSE RIFFEL, ENTERPRISE, KAN.

REGISTERED YEARLING POLLED HEREFORD BULLS

Also 9 registered heifers. Sired by Ideal's Worthmore. 100% Bang's and Td. free.
GEORGE L. RIFFEL, Hope, Kansas

Latzke Angus Farm

Registered cattle of correct type with breeding to match. To reduce herd we offer 15 choice yearling heifers and a few cows, some with calves at foot. 12 bulls from 6 to 12 months old.
OSCAR C. LATZKE, Junction City, Kan.
Farm 9 miles southwest Highway 77— See road sign.

Registered Angus BULLS AND FEMALES FOR SALE

A choice lot of registered Angus bulls and females ranging from calves to mature animals. Bulls up to two years old. One or a car load. Chosen bred of Earl Marshall and Prizebreed breeding.
L. E. LAFLIN, Crab Orchard, Nebr.

HIGH PLAINS' HERD

Registered Shorthorn bulls, reds and roans, yearlings and 2-year-olds. Low-down, compact, beefy type with plenty of bone and natural covering of flesh. Sired by two of the best bulls in the state and out of quality cows.
ALVIN T. WARRINGTON, LEOTI, KAN.

Offering SHORTHORN HERD BULL

Nice red, 4 years old, son of Divide Barrister, an excellent sire and gentle. Can't use him to advantage longer and will price him reasonably. Also young bulls and a few females.
WHITE BROS., ARLINGTON, KAN.

Two Shorthorn Bulls 18 Mos. Old

A red and a roan, in strong breeding condition. Ready for heavy service. Sired by Glenburn Destiny.
E. C. and GLEN E. LACY & SON
Miltonvale, Kan.

Banburys' Hornless Shorthorns

We have 10 weaned bulls and up to 800 lbs. on our sale list. BANBURY & SONS, Plevna (Beno County), Kansas Telephone 2307

Public Sales of Livestock

Aberdeen Angus Cattle
May 4—Krotz and Swartz, Horton, Kan. M. J. Krotz, Sale Mgr., Odell, Nebr.
May 5—Mid-Continent Angus Sale, Junction City, Kan. J. B. Hollinger, Sale Manager, Chapman, Kan.
May 14—J. F. McKenny and Son, King City, Mo. Sale at Maryville, Mo.
Guernsey Cattle
May 1—Arkansas State Sale and R. C. Frambers dispersion, Ft. Smith, Ark. Mort Woods, Sale Manager, Ardmore, Okla.
May 4—Missouri Guernsey Breeders' Assn., Columbia, Mo. H. A. Herman, Secretary, University of Missouri, Columbia, Mo.
September 24—Jo-Mar Farm, Roy E. Dillard, Manager, Salina, Kan.

Holstein Cattle
May 1—Central Kansas Holstein Breeders' Sale, Fairgrounds, Hutchinson, Kan.
October 29—Kansas State Holstein Breeders' Sale, Abilene, Kan. T. Hobart McVay, Secy., Nickerson, Kan.

Polled Hereford Cattle
May 26—John Ravenstein and Son, Cleveland, Kan., and Walbert J. Ravenstein, Belmont, Kan.

Duroc Hogs
April 21—N. L. Bogart and Son, Holt, Mo.

Hampshire Hogs
April 21—O'Bryan Ranch, Hiattville, Kan.

Poland China Hogs
April 21—Paul Bogart, Holt, Mo.

October 20—C. R. Rowe and Son, Scranton, Kan.

Shropshire Sheep
May 8—Herman H. Schrag, Pretty Prairie, Kan.

HOGS

Hartmans' Mortgage-Lifting Polands

Kansas farms are their proving ground. Quality fall boars sired by Golden Chief and Elmo Valley. 65 spring pigs to date.
J. J. HARTMAN & CONRAD, ELMO, KAN.

POLAND CHINA FALL BOARS

20 HEAD—The approved type. Ready for service.
BAUER BROS., GLADSTONE, NEBRASKA
Just over the line from Kansas.

POLAND CHINA FALL BOARS
—and Fall Gilts open now and bred later to Chief of Supremacy. Double immune, priced reasonably. Thick-bodied, on short legs.
Malone Bros., Raymond, Kan.

Wittum's Better-Feeding Polands
Short-legged, thick-fleshed fall boars and spring pigs.
F. E. WITTUM & SON, CALDWELL, KAN.

Registered Spotted Poland Boars

A few choice September boars ready for service May 1. Price \$65 each. We will have gilts for sale bred to "Keepsakes Pride," junior champion boar at Kansas Free Fair, 1944, to farrow in September. (Farm 1/4 west and 2 1/2 north of Elmont, Kan.)
H. E. HOLLIDAY & SON
Route 2 Topeka, Kan.

Spotted Poland China Boars

Serviceable age, with special attraction of boars from grand champion sow of State Fair 1944. The best we have ever raised. Registered. Immuned. Write or visit
EARL and EVERETT FIESER, Norwich, Kan.

Oak Dale Hereford Hog Farm

offer spring pigs and outstanding fall boars, trio not related. Sired by the breed's most outstanding sires, Chief's Wonder, PVF Marauder and Duration Model (grand champion 1944 National Show). Also fall gilts bred to these great boars. Prices reasonable.
CHAS. BOOZ, PORTIS, KAN.

Duroc Sows and Gilts

—of the breed's best bloodlines. Bred to Improved Ace, a top grandson of Proud Wave Ace. Also fall pigs by Improved Ace.
B. M. HOOK & SON, SILVER LAKE, KAN.

Fancy, Serviceable Duroc Boars

for sale. Would sell two real herd boars. Gilts bred for June farrowing only. Booking orders for spring boars. G. M. Shepherd, Lyons, Kan.

"KANT BE BEAT" DUROC BOARS

Put yourself in the King Row by buying one of these good boars. Also boars by other sires for sale.
W. R. HUSTON, AMERICUS, KAN.



BOOKING ORDERS for SPRING PIGS
Ped., heavy, blocky type.
Peterson & Sons
Osage City - Kansas

ETHYLEDALE FARM
Sires in Service: Ethyledale Roller, son of Steam Roller; Glory Hallelujah, son of Glory's Score; and Ethyledale Rocket, son of Silver Rocket.
DALE SCHEEL, EMPORIA, KAN.

HAMPSHIRE FALL BOARS

Good ones, sired by Roller Model Ace, son of all-American Grand High Roller. Blocky, thrifty, vaccinated, registered.
C. E. McCLURE, REPUBLIC, KAN.

May 5
Will Be Our Next Issue
Ads for the Classified and Livestock Section must be in our hands by
Saturday, April 28



Heavy Duty Oils are proving their qualities in the tough test of war says Major W. B. Bassette of the office of the chief of ordnance of the United States Army.

Major Bassette tells about a test run for army cargo trucks. These trucks ran 5000 miles without change of oil and with crank case temperatures maintained at 280 degrees. Heavy Duty Oils have met all operating requirements for both gasoline and Diesel engines.

One of the happy surprises, reports Major Bassette, is the ability of Heavy Duty Oils to accommodate crank case dilution with gasoline. Tests have re-

vealed that even with a 30% dilution, engine parts remained in excellent condition and that no harmful effect was evident.

We, at Security Oil Company, are now producing Wings Heavy Duty Oil which will meet these rigid army specifications. Your truck, tractor or car will probably never have the severe service of army equipment, but even under normal service, Wings Heavy Duty Oil will give you added protection and trouble free service. You will find Wings Heavy Duty Oil is Life Insurance for your Motor. Why not start today using Wings Heavy Duty Oil?

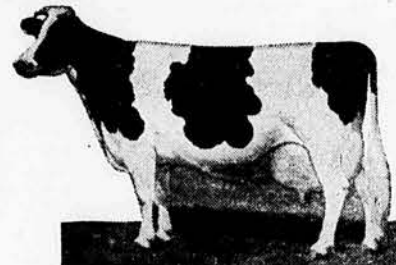
Over 400 Wings Distributors in Kansas. Write for name of your nearest dealer.



CENTRAL KANSAS HOLSTEIN BREEDERS' CONSIGNMENT SALE

Fairgrounds

HUTCHINSON, KANSAS
TUESDAY, MAY 1



80 Head of Registered and Grade Holsteins

We expect to sell 30 fresh cows and close springers. 15 head of bred heifers. 10 head of yearling heifers. 5 registered bulls. 20 head of grade cows and bred heifers.

Spring always brings a great demand for heifers. Either open heifers that can be turned to pasture with a young bull or bred heifers that can be grown into producing cows easily. You will have an opportunity to buy both registered and grade Holstein females of foundation caliber.

Consignors

- Geo. Mueller, Hanover
V. F. Rosenkranz, Washington
G. G. Meyer, Basehor
Kubin Bros., McPherson
Jake Zarnowski, Newton
V. L. Lang, Sylvia
R. S. Lyman, Burrton
W. G. Bircher & Son, Ellsworth

Most of the Holstein sales in Kansas occur in the fall and most of the cows freshen at that time. This sale will be an opportunity to buy spring-freshening females. We invite you to inspect the cattle consigned by the above good breeders in Central Kansas. All of the purebred cattle are from herds that have production records and type classification records.

Address all correspondence to HOBART McVAY, NICKERSON, KAN.
SALE HEADQUARTERS: LEON HOTEL, HUTCHINSON, KAN.

Sale Under Management of T. Hobart McVay, Nickerson, Kan.; E. A. Dawdy, Salina, Kan.
Aucts: Bert Powell, Topeka; Chas Cole, Wellington Jesse Johnson with Kansas Farmer

Mid-Continent Angus Sale
Junction City, Kan., May 5, 1945

Consigned by the Following

- Kansas Breeders:
Glen and John Bowditch, Burlington
Collins and Collins, Junction City
Conrad and Josephine Eck, Maize
Dean Funston, Abilene
Harold Gless, Arnold
J. B. Hollinger, Chapman
Kansas State College, Manhattan
Francis Kratzer, Geneseo
W. C. Kelth and Sons, Burlington
Ralph and Marvin Poland, Junction City
Harry E. Peirce, Hutchinson
Leonard Patman, Smith Center
Linn H. Reed, Smith Center
A. J. Schuler and Son, Junction City
Simon Angus Farm, Maize
Col. J. W. Wofford, Junction City

50 Carefully Selected Angus Cattle
40 FEMALES 10 BULLS

These consignors have bred and shown a majority of the grand champions in open breeding classes for the last 15 years at Kansas State Fairs, and many first prize winners and champions at other state and national shows.
Individuals in this sale are the same type and bloodlines.

Sale at 1 p. m. in the Sale Pavilion
JUNCTION CITY, KANSAS
Col. Roy Johnston, Auctioneer
Jesse Johnson, Representing Kansas Farmer
Sale Committee: J. B. Hollinger, Andy Schuler, Jr., and Ralph Poland



REG. HAMPSHIRE HOGS
25 Fall Boars and 100 Open Fall Gilts
At Auction—Saturday, April 21
Hiattville, Kansas
This is our "SILVER ROCKET," one of the breed's leading sires.
For Sale Catalog Write
O'BRYAN RANCH, HIATTVILLE, KAN.

LIBRARY
STATE OF KANSAS
MANHATTAN



Chief! Here's the fuel farmers have been itching for!

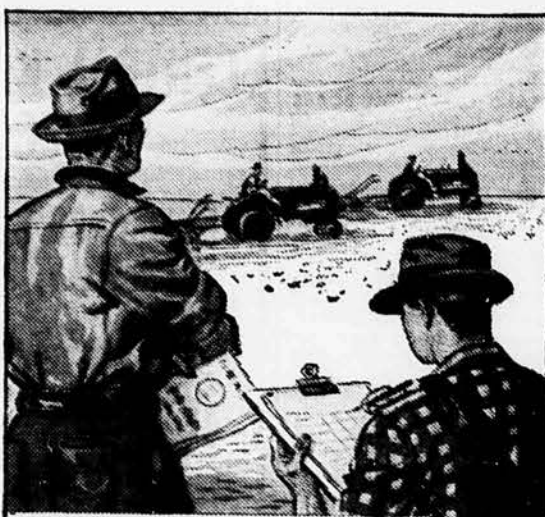
WHAT'S IT GOT THAT MAKES YOU THINK SO?

The research story behind why you can count on **STANDARD POWER FUEL** for more work per gallon than you get from gasoline

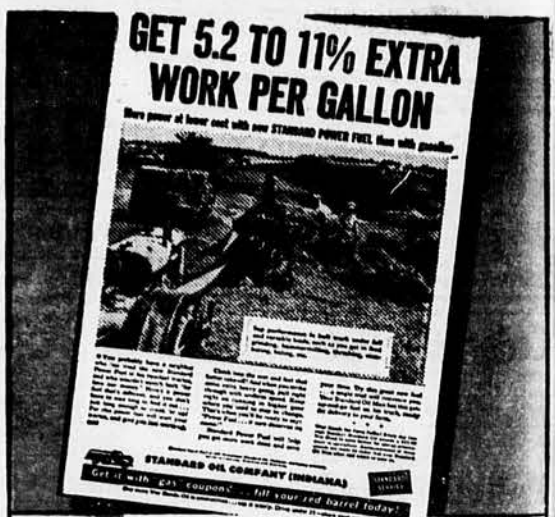


IT'LL PLOW MORE GROUND AND DEVELOP MORE POWER PER GALLON THAN GASOLINE AND WILL START A 2-FUEL TRACTOR UNDER NORMAL FIELD CONDITIONS

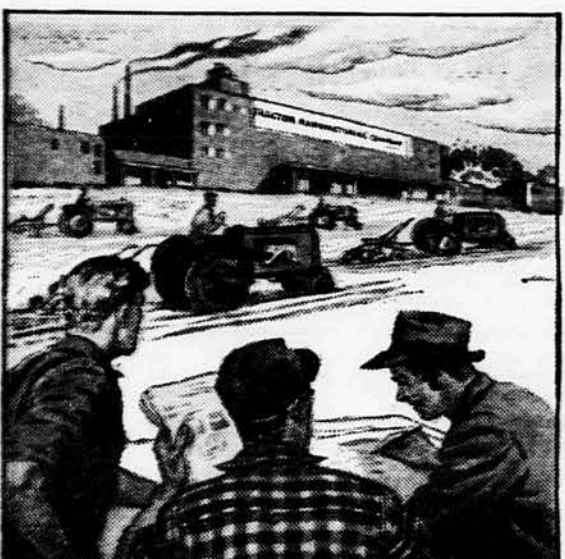
PROVE IT! TEST IT IN TRACTORS UNDER ACTUAL FIELD OPERATING CONDITIONS!



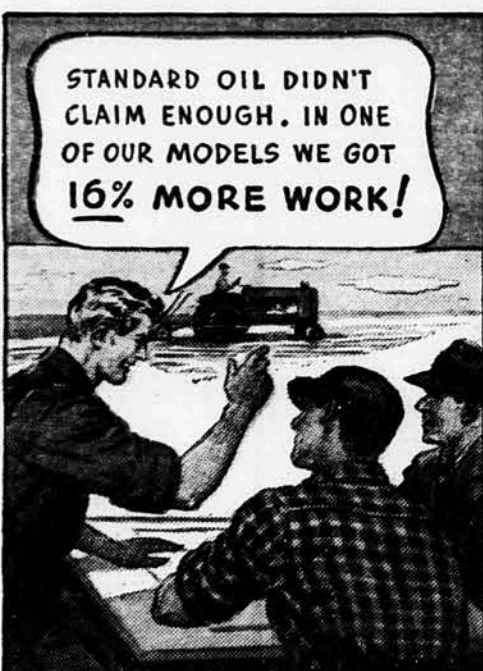
Tests were made in various makes of tractors, performance records carefully kept, figures closely checked. Only then did we announce ...



Standard Power Fuel... based on our tests, we advertised it would do from 5.2 to 11% more work per gallon than gasoline. Some time later ...



A famous tractor manufacturer decided to investigate the claims advanced for the new fuel. He made exhaustive tests and found ...



STANDARD OIL DIDN'T CLAIM ENOUGH. IN ONE OF OUR MODELS WE GOT **16% MORE WORK!**

WE STATED the facts exactly as we found them. We are gratified that this manufacturer substantiated our story and added a bonus! It lets us say even more confidently: "Save with Standard Power Fuel. It will give you more work per gallon than you get from gasoline."

OTHER ADVANTAGES—Under ordinary field operating conditions, Standard Power Fuel will start a 2-fuel tractor. It gives you full power under peak or variable loads; causes no harmful crankcase dilution when proper operating temperatures are maintained (190° to 200° F.); gives fast warm-up and smooth idling, too. It's the finest 2-fuel tractor fuel we have ever made.

SAWLOGS
UNCLE SAM NEEDS YOUR TIMBER
Start today to CUT AND HAUL
See Your County Agent
PULPWOOD

Get details and prices from your Standard Oil Man. Start saving with Standard Oil!
Buy more War Bonds

*Standard Power Fuel is sold throughout Standard Oil (Indiana) marketing territory except in Colorado, Wyoming and Montana.

STANDARD SERVICE **STANDARD OIL COMPANY** Serving Farm Front Fighters 