

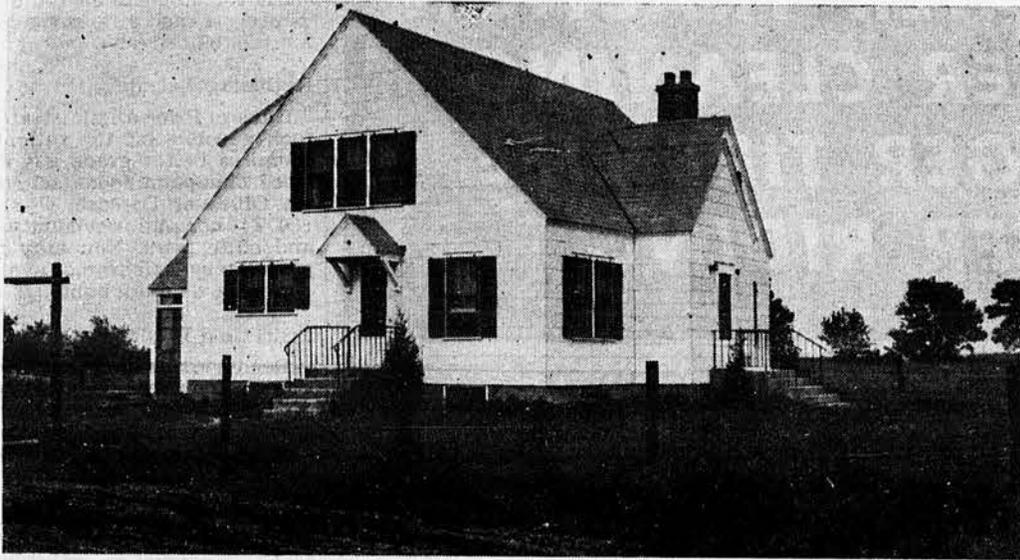
SEPTEMBER 1, 1945

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KANSAS FARMER

CONTINUING MAIL & BREEZE



Charles Knapp is putting his cattle profits back into better living. This picture shows the recently completed Knapp home.



Ground corncob meal is an important part of the feed program in Coffey county. Here, W. H. McMullen is preparing to meet his future feed needs.

It's a Neighborhood Beef Program

THERE is a difference between "just handling cattle" and having a "beef program." A real beef program, says Phil Ljungdahl, Kansas State College Extension specialist, is one that is sound and adapted to the farm or ranch.

A program of this type can be built, he says, by buying when cattle are seasonally cheaper and marketing when prices are seasonally strong. A long-time study of markets is necessary to determine these periods accurately. Then, once determined on marketing and buying, the cattleman can work out a program best adapted to his farm and labor conditions.

It is not unusual to find individual farmers with sound programs, but it is unusual to find all the farmers in a large area following a similar program. Yet some 50 to 60 farmers around Gridley, in Coffey county, have followed just such a program on cattle for the last 10 or 12 years. And it has proved a mighty good thing.

According to Mr. Ljungdahl, and others who are familiar with it, the Gridley program just couldn't be beat for that area. Much of the credit for building up the beef industry

in that area, it is said, should go to Blaine Crow, Gridley banker.

Briefly, the plan is as follows: Farmers buy coming 2-year-old steers, of good medium grade, weighing around 800 to 900 pounds. They are purchased in the fall from Kansas City and Wichita markets when prices are lowest—between August and November.

These cattle are wintered on roughage and protein or alfalfa, grazed the following spring until about August 1, then full-fed on grass from 40 to 60 days. They are marketed at about 1,200 pounds as short-fed cattle.

This is the general program for the area, but each farmer has made whatever changes he thought would be best adapted to his situation. Methods are changed a little each year to meet whatever crop conditions exist.

Take Emil Huber and Son, for instance.

Handling good, medium-grade, long yearling steers on a 10- to 12-months grazing and feeding plan has proved successful for livestock men around Gridley, in Coffey county. Steers like these fit well into the farming program of that area.

Last year they had a good field of cornstalks. So they ran 108 head of steers in this stalk field until about December 1. Only other feed was 2 pounds of cake a day.

Starting in December, feeding was changed to sorgo bundles with heads intact, a mixture of one half prairie hay and one half silage, and 1½ pounds of cake.

On March 1, the heavy end of the cattle were separated from the others and given 4 pounds of ground corncob meal and 5 or 6 pounds of alfalfa hay. The lighter cattle received no grain but did get alfalfa.

All cattle went on grass about May 1 this spring. Then on July 15, the heavier cattle were given 8 pounds of corn, 2 pounds of cake and 2 pounds of molasses a day. This was to be increased to 15 pounds of corn as the grass gave out.

Marketing was to start August 15 and to be completed by [Continued on Page 24]



Firestone

Hydro-Flation

Assures ★ GREATER TRACTION
 ★ BETTER CLEANING
 ★ LONGER TIRE LIFE
 ★ EASIER RIDING

THE Firestone method of putting liquid into pneumatic tractor tires of any type or make, to give them extra weight and extra performance, is known as Hydro-Flation.

Firestone Hydro-Flated tires give greater traction because the liquid weight forces the tread bars to bite deep into the soil and get a better hold. They clean better because the extra weight increases flexing action of the tires. They last longer because they don't slip and spin, and because an air cushion is left

to absorb sharp impacts that otherwise might damage the cord body. Tests prove that liquid-weighted tires should always have an air chamber.

To liquid weight tires, Firestone has developed a new electric Hydro-Flator which puts the right amount of liquid in your tires in a few minutes, right at your own barn. Call your Firestone Dealer Store, your Firestone Store, or Implement Dealer and arrange to have your tires Hydro-Flated for maximum performance.



For the best in music, listen to the "Voice of Firestone" every Monday evening over NBC network.



FIRESTONE PUT THE FARM ON RUBBER

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Uncle Sam Says . . .

AAA Is Out

The famous AAA has been wiped out—but in name only. The Agricultural Adjustment Agency has been taken over by PMA, which means Production and Marketing Administration, a new section of the Department of Agriculture. All AAA activities will continue. Few jobs affected.

Lend-Lease Ends

Uncle Sam has told Allied nations that Lend-Lease has come to an end. This was the program for U. S. keeping our Allies supplied with food, bullets and guns during the war. Allegedly strict accounts were to be kept and the U. S. was to be paid back. England already is reported wanting to settle for 50 cents on the dollar; also wanting a cash gift, instead of a loan, for rehabilitation.

Rationing Let-up

Office of Price Administration (OPA) took gasoline off the rationing list—promises better grade gas soon. Also freed blue-point foods, oil stoves, fuel oil. Office of Defense Transportation (ODT) now allows county, regional and state fairs. You may send congratulatory telegrams again, travel on trains, do more building.

Peacetime Production

Reconversion to peacetime production now can get under way in a hurry. WPB has wiped out 210 wartime controls on materials and industrial production. Among bans lifted were those on radios, refrigerators, trucks, stoves, laundry equipment, storage batteries, shipping containers, oil-burning equipment, silk and cotton duck, machine tools, construction machinery, and caskets.

Implement Tires

All farm implement type tires are ration-free now, says OPA. The order was effective August 20. In announcing lifting of rationing, it was said there are ample supplies of sizes and types, including tractor tires.

Canning Stops

All government chicken-canning operations have been suspended until October 1. Cannerys now may produce chicken soup, chicken a-la-king and so on for civilian tables.

Feed Wheat

No feed wheat subsidy program is planned now because of uncertainty as to this year's corn crop and its effect on feed supplies, and possibility that wheat will be needed for food exports. Use of wheat for feed is not restricted, however.

Acres of Leather

During more than 3 years, the Army's shoe-rebuilding program has conserved some 25 million square feet of leather thru rebuilding more than 11 million shoes and boots. Savings in money to the taxpayers is estimated at more than 12 million dollars.

More Cars Loaded

Total railroad carloadings of grain and grain products in the U. S. for the

KANSAS FARMER

Continuing Mail & Breeze

Topeka, Kansas

Vol. 82, No. 17

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

first 29 weeks of 1945 were 1,432,602 as compared with 1,388,782 for the same period of 1944. An increase of 43,820 cars.

Careful With DDT

Altho a limited amount of DDT now is being released for civilian use, WPB warns that it must be used wisely, both in the interest of public welfare and for the good of the industry. There is a great deal yet to be learned about how to safely use DDT, from the standpoint of hazard to user, to the consumer of products on which residues may occur, the effect on soils, and on the whole balance of nature, says WPB.

Subsidy Changes

Congress has made changes in subsidy payments which will mean a gradual cutting down of consumer subsidies, and authorizing increase in subsidies which may be paid by the CCC to certain agricultural commodities and products?

What's Wrong?

Draft records show that 42 per cent of all rural draftees were rejected for physical defects, compared to 26 per cent of urban men.

Worth More

Agriculture, measured by the dollar value of its physical goods, has increased from a 49-billion-dollar industry to a 74-billion-dollar industry during the 5 years ended January 1, 1945. Continued high farm income is by all odds the most important single factor giving rise to changes in the balance sheet.

Land Price Boom!

Sales by farm-owner operators continue high, with about two thirds of farmer sellers indicating they expect to buy other farms. I. W. Duggan, governor of the Farm Credit Administration, warns that "when farmers start selling to each other they are contributing to a land boom and will be the first to suffer." Profits made from selling their home farms for more than they are worth are, in turn, given out for other high-priced farms so they can stay in the business, says Mr. Duggan.

Brome Wins

In U. S. D. A. grazing tests over a 4-year period, brome grass led all other cool-season grasses for palatability. Closeness of grazing was the main index used. Of the warm-season varieties big bluestem was first and common buffalo grass last.

New Poultry Ideas

Thru selective breeding, U. S. D. A. scientists have developed hens that lay heat-resisting eggs. These hens have produced infertile eggs that retain good table quality for 2 weeks at a temperature of 100 degrees F. Other breeding experiments have produced hens laying eggs with a larger per cent of white, hens that lay eggs almost entirely free from blood spot formation, and hens that lay eggs with less porous and stronger shells. All selective breeding principles used are said to be within reach of poultrymen.

Lamb Subsidy

Effective until June 30, 1946, the CCC is authorized to pay sellers of lambs and sheep to legally authorized slaughterers \$1.50 to \$2.50 a hundred-

weight for lambs weighing 65 to 90 pounds; from \$2.15 to \$3.15 a hundredweight for lambs weighing more than 90 pounds; and \$1 a hundredweight for all other sheep and lambs. AAA offices will handle details. Subsidies to slaughterers have been withdrawn.

Milk Cans Again

All restrictions have been lifted from milk cans. Rationing and manufacturing quotas have been canceled.

Meat Control

OPA has issued a control order preventing retailers, wholesalers and processors of meat products from acquiring slaughterhouses and diverting meat supplies to controlled outlets. The action also prevents slaughterers from acquiring retail, wholesale, or processing establishments and diverting their products to them.

Corn Fights

The Army and Navy required more than 400 million pounds of refined corn products annually for food uses. Every bomb dropped and every shell fired contains some refined corn. Every plane has an engine cast in a mold made in part from corn starch; soldiers and sailors wear uniforms treated with corn starch and eat food shipped in boxes made in part from corn.

Vinegar No Help

Differences of opinion concerning the merits of a vinegar solution for combating coccidiosis in poultry have been settled in the negative in experiments by the U. S. Department of Agriculture. Results with 500 chickens ranging from 4 to 23 days old showed that neither dilute vinegar nor acetic acid solutions provided any protection, and that treated poultry gained only about one fourth as much as untreated birds. Such solutions seem to have a toxic effect.

Tractors to Europe

UNRRA has bought 14,500 farm tractors for use this year in Europe. Of this number 13,000 are from the U. S. and 1,500 from Great Britain.

Peels Rice

A new machine that peels rice rapidly in one operation without taking away nutritional value has been developed by the Department of Agricultural Engineering.

Old Way Best

After studying foot-and-mouth disease control in 11 foreign countries, representatives of the U. S. D. A. reported that the slaughter method of eradication still is best for the U. S. It is based on the reasoning that sacrifice of a few animals is much wiser than to allow so costly a disease to become established. The U. S. has turned back 8 invasions of this disease and has been entirely free from it since 1929. This fact would tend to bear out the value of U. S. control methods.

Senator Capper on Radio

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

Fight Poultry Killers

An effort to compile information that will help farmers combat predatory animals and birds is being made by the Department of Poultry Husbandry, at Kansas State College.

Farmers are asked to send in any positive information they may have on what methods are used by the predators, such as rats, domestic cats, civet cats, skunks, opossums, raccoons, dogs, coyotes, owls, and hawks.

This information then will be printed in bulletin form and distributed among farmers. Such information, gathered from farmers, should help considerably in planning campaigns against these robbers of poultry.

Handy Oil Record

I use an old automobile speedometer to keep track of the number of hours the oil has been used in my tractor crankcase. At the end of each day's work I run up on the trip meter by hand the number of hours I have worked. When it reaches 60, I change the oil and set the trip at zero again. --E. R. G.

NEW Quick-mounted CORN HARVESTER



"Husks Like the Human Hand"

Rubber roll grips ear gently, like palm of hand. Spring steel "husking pegs" strip off husks, duplicate action of hand husking peg. Means less shattering of kernels. Capacity of 8 to 12 hand huskers.



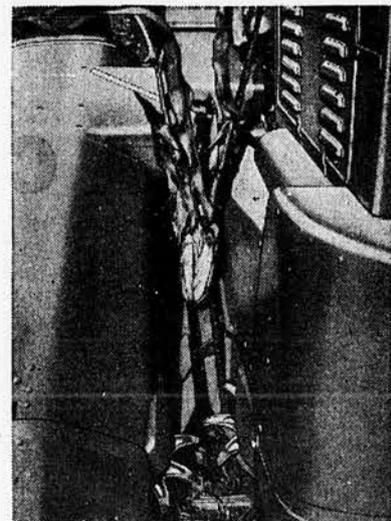
TRIM as a PT boat, the new CORN HARVESTER fully streamlines the husking job. Designed especially for the Allis-Chalmers WC tractor, this compact, undermounted corn picker can be attached in less than 30 minutes . . . by one man.

Allis-Chalmers invested years of painstaking research in the development of a picker like this that the individual family farm could afford to own. The CORN HARVESTER proves that costly machines weighing several thousand pounds are not necessary to husk an ear of corn weighing less than a pound.

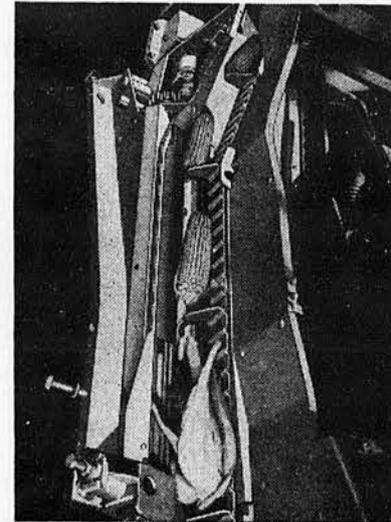
Here is a picker easier on your tractor, easier to handle, handier on the hills — because needless heavy iron is eliminated. Undermounting completely clears the line of vision.

By a unique "floating" principle, the streamlined gathering snouts can be lowered to lift down corn that even hand huskers overlook. Your measure of true performance and value will be in more bushels across the scales, less corn shattered in the field.

Though manufacture of machines is limited this year, make it a point to consult with your dealer. You will want to be an owner before another year rolls by.



Spider wheels gather in low ears. Guard plates hold ear from direct contact with snapping rolls. Prevent shelling.



Rubber roll is paired with spring steel "husking pegs" of opposite roll. Note gentle husking action.



Quick-mounted CORN HARVESTER



"You're foolish to spend a lot of time working on shells. They're just scrapped after the eggs are taken out!"

Announcing the 1945 Kansas State "Victory" Fair September 16-21 Hutchinson

**A Complete Fair in Every Detail
Featuring:**

- ★ **4-H Club Exhibits**
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- ★ **Agricultural Displays**

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Stage Spectacle "State Fair Revue"**
- ★ **Brilliant Midway**
- ★ **Automobile Thrill Shows**
- ★ **World's Championship Rodeo**

Plan for Your Exhibits NOW

Plan to attend Sept. 16 thru 21

Write for detailed information



REACTION of Prime Minister Attlee and Opposition Leader Churchill in the English House of Commons, to the announcement from President Truman at Washington that Lend-Lease gifts end on V-J Day, serves notice on the United States that the time has come to re-examine our own fiscal programs, abroad and at home.

In the last 4½ years, the United States has sent to Britain goods and materials to the value of \$29,500,000,000. That figure includes materials and munitions of war, of course. But it also included supplies for the civilian population and members of the armed services of the United Kingdom.

Mr. Attlee announced that the termination of Lend-Lease presented a "serious situation" for Britain. Mr. Churchill declared the action abrupt and "harsh," expressed the hope it was not the last word. The British position is that loans, no matter how large, nor for how long a time, nor how low the interest rate, will not meet the situation—only gifts in large amounts will help the new British Labor government to put into effect its state-socialization program.

The perfectly natural British reaction to the termination of Lend-Lease is just what happens whenever favors from the Federal Treasury (or from any other source for that matter) are bestowed. Particularly if they come regularly over any considerable period of time. The recipient of the Treasury benefits naturally comes to believe he has a vested interest in the benefits, whether privileges, money, or goods.

I believe that Congress should bear this fact in mind (and also the pressure groups hammering for Treasury benefits) when considering some of the huge spending programs proposed by the so-called "Liberals" in Congress, especially in the Senate.

I have voted for Treasury funds to relieve distress in emergencies, and believe on occasion these are justified. I have voted for veterans' compensation—I believe that compensation is earned. I believe that the Congress is justified in making payments for services performed that conserve or build up the natural resources of the country.

But I believe that proposals to make payments from the public Treasury to individuals on the theory that the Government owes the individual a living should be considered very critically, and avoided if at all possible. A Government that undertakes to support its citizens must in self-defense control the activities of its citizens in ever-increasing severity. Generally this has resulted in practically enslaving the people. History is replete with such instances; and there have been few exceptions to this general rule. Each time the program is undertaken, its sponsors believe they have discovered something new—"that it can't happen here." I say this is a dangerous philosophy, and should be recognized as such. Nevertheless, we must face the fact that all over the world the trend is in this direction, whether you call it social revolution, national socialism, communism, or "moving to the Left."

Our system of private enterprise, over a century and a half, has had its faults; made its mistakes; produced its failures. But on the whole it has given the individual the most political freedom, the largest measure of economic opportunity, and the best road for the pursuit of happiness, that mankind

living under orderly government ever has known.

Down the road, I believe the best chance for the survival of the American form of government and the American way of life is for us to face the fact that we have incurred an enormous public debt; that we will have to carry that debt; and not to spend our time in legislative halls trying to figure some easy way of escaping our responsibilities, public and private, thru voting first one and then another of us donations from the Federal Treasury, no matter with what high-sounding and self-satisfying language the "donation" is defined and provided. We must stop the reckless spending of the public money.

I am writing this, on the eve of my departure for the convening of Congress, because I can see already that from all over the world, as well as from all sorts of groups in the United States, the Treasury raiders are marching on Congress, demanding their "rights."

Your Job Well Done

I AM sincerely sorry my short stay at home doesn't give me more time to visit personally with my farm friends. There is work to be done in Washington and I must be there by September 4. A tremendous amount of work. Important work. But I want you to know, as I go back to the Nation's capital at the beginning of another peacetime, that my interests, as always, will be centered on the welfare of agriculture in general, and on the progress of my own Kansas farm people in particular.

It is with a grateful heart I think over the war-production record Kansas farmers have managed. It is nothing short of a miracle, the result of all-out devotion to duty. No other production group in the entire country has achieved a more outstanding record.

There was no let-down on the part of Kansas farmers even with the thrilling victory in Europe. I arrived home a few short days ago to find that Kansas farmers, beset by labor shortage and lack of adequate machinery, this year produced a crop of wheat now estimated at 214,624,000 bushels—the second largest wheat crop in the history of our state. How to get that crop harvested must have caused many a sleepless night. But Kansas farmers apparently are equal to any emergency. This huge wheat crop has been saved. Now, another wheat crop is about to be planted. The goal calls for 13 million acres. I know a good many growers will wonder whether another big yield will meet up with low prices a year hence. No one knows for sure, but I feel the odds are in the wheat grower's favor. It seems to me there will be strong demand for wheat as food, and no doubt feed, on thru next year.

The corn picture in Kansas, I find, is quite different from that of wheat. The crop is short over the entire country, too. Short compared to the U. S. 1944 crop of 3,228,361,000 bushels. The Department of Agriculture now estimates the 1945 crop of corn



for the U. S. at 2,844,000,000. However, this is a big increase over the July report. The same trend shows up in Kansas; improvement over earlier reports. But a crop considerably shorter than the Kansas crop of 114,793,000 bushels in 1944. This year's estimate is placed at 72,864,000 bushels. I find livestock men are somewhat worried over a possible feed shortage before spring.

And here is something that will interest you. Feeders are not the only persons worried about the amount of corn available. Certain corn-processing industries are feeling the pinch in the current corn supply. One of them contends that a serious situation confronts consumers today because farmers are holding large stocks of 1944 corn. This is blamed on the late spring and delayed corn planting, of course. To be safe, farmers apparently have held back more corn than they usually do. This one processor I mentioned states that 738,000,000 bushels of corn now are in farm storage. This is about one fourth of the annual production in this country, and 200 million bushels more than was held a year ago.

All of this sounds good from the standpoint of corn demand and price. And demand for foods generally will continue to be felt in the price of corn thru another year if we feed the folks at home, our Armed Forces in uniform around the world, and come anywhere near sending war-torn countries the foods they need. If these demands pan out the way they now appear to be going, there will be far less confusion in agriculture in these first war-free days than in most other lines of business.

But it always pays to keep an eye on the past, in order to judge what might happen in the future. And in this connection I just want to mention this fact. The corn crop in Kansas this year at 72,864,000 bushels is far under the 1944 crop of 114,793,000 bushels. But remember this. It is considerably more than our 10-year average, 1934-43, of 45,090,000 bushels. The same thing is true for the U. S. corn crop. The estimated yield of 2,844,000,000 bushels for 1945 is less than the 1944 yield of 3,228,361,000 bushels. But it is more than the 10-year average, 1934-43, of 2,443,060,000 bushels.

With actual war production over for farmers, and conversion under way they have another job on hand just as big. Really a double-headed one. It is first of all one of feeding their current production into regular market channels in an orderly manner, to help keep as many of the wheels of industry turning as possible. That will mean more jobs in towns and cities—more mouths to feed. And the other part of the job is measuring production up ahead to possible demand, and hanging on to orderly marketing for dear life. Farmers must have more say-so in the future about when and how and for what prices they will sell their products. That is one step toward a satisfactory peacetime for agriculture. And I say again that if agriculture succeeds, every other business will fare better than ever.

Arthur Capper

War Time—Was It a "Phony" or Did It Help?

By CLIF STRATTON

Kansas Farmer's Washington Correspondent

WASHINGTON, D. C.—One of the first pieces of "postwar" legislation to be enacted in the coming session of Congress will be a bill restoring "standard" time, and doing away with "war" time, so obnoxious to farmers and small-town folks generally. Unless, of course, President Truman does it by proclamation before Congress gets a chance at the Cannon (Missouri), or about 60 bills already introduced to move the clock's hands back where they belong.

Every so often some war agency puts out a statement showing so many trillion billions of kilowatt-hours saved

by the "war" time. But there is a lot of suspicion that it was installed more for psychological effect than anything else.

Next on the order of business probably will be the "war workers' pension" bill—otherwise unemployment compensation at the rate of \$25 a week for 6 months after war's end, plus travel allowances. In order to avert a possible unfavorable reaction from

discharged veterans, the allowance for them probably also will be increased to the war workers' figure, from the present \$20 a week, while unable to obtain employment.

However, the big drive from the self-styled "Liberals" in Congress (of the school of liberalism measured by public spending) will be to enact the so-called full-employment bill, intended to place direct responsibility on the Federal Government to assure

jobs for all workers and at all times.

The bill renders lip-service, so to speak, to private enterprise, by expressing the pious hope that private industry will provide jobs for all. Whenever there are more workers than jobs, the Federal Government will take whatever steps the Administration finds necessary to provide jobs at good wages.

Just before the Senate adjourned for the summer recess, 15 "Liberal" Senators—all the way from Pepper, of Florida, to Bilbo, of Mississippi, (Continued on Page 20)



You Get Both With **PIONEER** HYBRID SEED CORN

It is a foregone conclusion that any hybrid seed corn must produce a stand in the Spring—before it can produce a crop in the Fall.

Thousands of corn growers have brighter prospects for a good corn crop this Fall—because of Pioneer's ability to meet and overcome unfavorable planting conditions—from "just fair" to the "worst imaginable"—as they existed this last Spring.

Remember, please—when you plant PIONEER Hybrid Seed Corn you don't have to "just hope" for a good stand—you can expect one.

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BETTER PIONEER HYBRIDS COME FROM ENDLESS RESEARCH

For complete information and data on Pioneer Hybrid Seed Corn varieties best adapted to your area—write to

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HYBRID CORN COMPANY • COON RAPIDS, IOWA

Egg Output Up From 116 to 150

Kansas a Real Turkey State, Too

SPECIALIST in poultry husbandry with the Kansas State College Extension Service since December, 1934, E. R. Halbrook has resigned. He has accepted the position of head of the Department of Poultry Husbandry at Montana State College of Agriculture in Bozeman.

Development of better feeding and management practices is considered by Halbrook the greatest improvement in poultry work in Kansas since his association with the Extension service. A single all-purpose ration for chickens and turkeys has been developed to replace 4 rations which were recommended by the college 10 years ago.

Use of more protein supplements have been found to be beneficial in obtaining greater egg production and more growth of chickens and turkeys. Average egg production has increased from 116 per hen in 1934, to 150 in 1944.

Earlier hatching of chicks to get more fall and early winter eggs is another trend which Halbrook approves. He would like to see more February and March hatching than at present.

Artificial hatching and brooding, which has developed rapidly in recent years, is a desirable trend because it is easier to control disease than with natural hatching and brooding by hens.

Ventilation Is Important

Halbrook and M. A. Seaton, also an Extension poultryman, and the Extension engineering staff have been encouraging better ventilation of poultry houses thru use of open fronts with muslin curtains and straw lofts. Some 15,000 straw-loft poultry houses are now in use in Kansas.

When asked about turkey production in Kansas, Halbrook said that Kansas is ideally situated and favored with climate, adequate feed, and cheap range for turkey production.

There is a big need, he said, for more breeding flocks and more hatcheries to hatch poulters despite the fact that the Kansas turkey population has grown from 450,000 a few years ago to almost 1,000,000 birds now.

Importance of keeping young and old stock separated to control parasite disease has been stressed by the poultry specialists, and Dr. J. W. Lumb, Extension veterinarian. Coccidiosis and worms are 2 of the most serious diseases picked up when young and old birds range together. It has been found that by keeping the 2 age groups separated and by rotating range until the young stock is 6 months old, these diseases can be prevented.

A further recommendation of Halbrook is that poultry producers use labor-saving devices to reduce the



E. R. Halbrook

time spent with the flocks. Droppings pits, automatic waterers, self-feeders for both mash and grain, and built-up litter greatly reduce the work required by the poultry enterprise.

Speaking of Halbrook's work with the Kansas Extension Service, Director H. Umberger praised him for "having done a fine job."

"Under Mr. Halbrook and Mr. Seaton, our Extension poultry project has been in excellent hands, and we have always been proud of our poultry projects in Kansas," said the director.

Fruit Moth Enemy

In man's war with insects he has some valuable allies in the insect kingdom itself. Latest case discovered of this is a small amber-colored wasp, about the size of a large mosquito, which is a deadly destroyer of one of our most destructive insect pests, the Oriental fruit moth. And it also has been discovered this tiny wasp makes its winter quarters in wild blackberry plants. So entomologists suggest that growing wild blackberries near peach orchards may be an aid in producing better peaches.

Save the Pieces

Small bits of toilet and laundry soap, melted in a cup of hot water, make an excellent hand cleaner. Placed in a container where farm hands can easily get to it, none is wasted.—Mrs. E. G.

Saving a Record Wheat Crop



Here they are—an octet of handsome harvest hands in Norman Hamm's harvest brigade. Mr. Hamm, Perry, was out in the county sizing up their next big combine job when the Harvest Brigade photographer got this picture of his men at Scott City. Left to right are: Herman Jantz, Inola, Okla.; Marvin Porter, Perry; Delbert Felts, Oskaloosa; Gayland Wooldridge, Hardisty, Okla.; Roy Mosher, Topeka; Everett Porter, Perry; Mason Brunton, foreman, Perry; and Harlin Courtney, Oskaloosa. In the background are their 4 Massey-Harris self-propelled combines. Three of Hamm's machines were in the Harvest Brigade last year. This year with four 14-foot brigade combines they were well on the way to exceeding their 1944 record when this picture was taken—expect to harvest 12,000 acres (3,000 acres with each combine) before heading back home.



Be an Early Bird...Get All the

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OILS AND GREASES YOU NEED FOR 1946

Order Now...

**PAY NO MONEY UNTIL
SPRING DELIVERY!**



The time is **NOW!** Next spring, as usual, **YOU'LL BE BUSIER!** It's wise to line up your 1946 supply of **SKELLY Fortified TAGOLENE** Motor Oils and Greases *this fall*, for next year's big job your tractor, truck, car and other farm equipment must do.

JUST LIKE "OLD TIMES" . . .

Your **SKELLY Tank Station Salesman** or Distributor is offering you price protection and assurance of delivery next spring (or whenever you say) at present prices. You place your order *now*, and thus protect yourself against price increases.

You pay nothing until the time of delivery. If prices go up in the meantime, you get the benefit of today's prices. It's the sensible thing to do . . . simply good management!



SO WAIT FOR YOUR SKELLY TANK STATION SALESMAN OR DISTRIBUTOR

He will give you the complete details of this special **SKELLY 1946 FARM RESERVE OFFER**. It will relieve you of lubrication worries for 1946.

HELP YOUR EQUIPMENT SURVIVE . . . BUY SKELLY *Fortified*

Demands on America's farmers for food production in 1946 will continue to be great! Yours is a tremendous responsibility. You must not let your farm equipment fail. Protect it with the best

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Wear damage can be prevented . . . loss of precious time from breakdowns can be avoided . . . by treating your machinery *right* with **SKELLY Fortified TAGOLENE** Oils and Greases. High engine temperatures, heavy bearing pressures, extreme speeds and friction might break down some oils and greases . . . but **SKELLY** Products are "fortified" to *protect!* Engines are kept cleaner, harmful deposits of sludge, varnish and goo are avoided by the tougher, smoother, "oilier" film of long-lasting

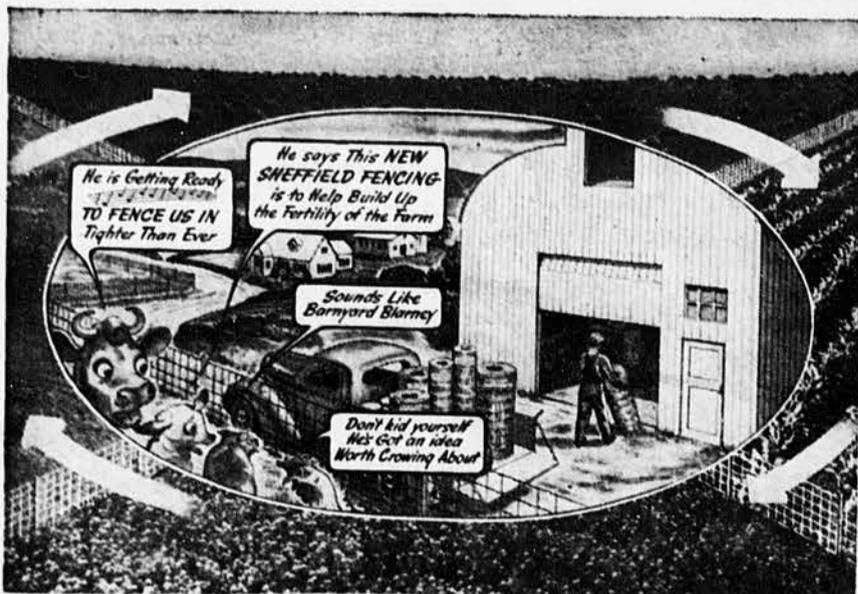


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FOR BETTER YIELDS Rotate Crops, Pastures and Livestock IN SHEFFIELD FENCED FIELDS

Millions of tons of iron ore have been taken from American mines to make steel for war. There is no way of putting ore back into mines. Only by the increased use of scrap in all steel making can America's ore deposits be conserved.

Farmers, too, have been mining their farms to increase food production for war. Fortunately, the fertility taken from soil can be replaced. The soundest, most economical way of doing it is through the systematic rotation of grain crops with legumes and the greater utilization of both in livestock production right on the farm.

It is next to impossible to carry on such a program without adequate fencing. The better the fence, the more you will get out of it in the long run. No other farm improvement can equal an adequate investment in good farm fencing.

The Sheffield organization will soon again be making plenty of fence of all kinds and of the finest quality and construction.



With expanded facilities and war-sharpened skill, Sheffield Steel will switch to a larger volume of homefront production than ever before, as rapidly as needs for hundreds of Sheffield steel products for war permit.

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For many years Sheffield has published *The Fence Rider*. It is beautifully printed in rotogravure. It will keep you posted on the rapid progress in steel making, especially as it relates to farming. *The Fence Rider* will be sent FREE to active farmers who fill out and send this coupon to either address.



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More Trouble Than Usual

By JAMES SENTER BRAZELTON

SOME philosopher has observed that every good has its evil. The truth of this truism has been brought home to fruit growers in every part of the country this season. Rain must be considered a Godsend for it is something we must have if we are to raise abundant crops. But an excess of moisture both in the ground and in the air stimulates growth, not only of desirable plants, but is conducive to the development of parasite plants as well. Humid conditions are ideal for almost all fungus growth. The conidiospores and ascospores of most fungi want nothing better for their dissemination and rapid germination.

Growers everywhere complain of how hard it has been to combat plant diseases this year. Continuous rains made apple scab much worse than usual. On account of so much rain, growers were not able to apply the necessary control sprays at the right time. There is more black rot in the grape vineyards than there has been in years. Some growers in the Wathena area report as much as 50 per cent damage to their grapes.

Anthraco-nose was responsible for cutting the raspberry crop short this year. This disease is found on the canes of the plant and as it develops it chokes off the flow of sap to the berries and causes them to dry up just as they are about ready to be picked. Ordinarily this disease is controlled by spraying, either with Bordeaux or lime-sulfur just as the young shoots are beginning to grow in the spring.

Why Cherry Leaves Fall

The writer has had many inquiries this summer from readers of this column as to why the leaves of their cherry trees are falling off. This is the result of a fungus disease called cherry leaf spot and is worse this year than usual. The disease is characterized by small purplish spots appearing on the leaves, later turning brown. Badly infected leaves turn yellow and fall. I have suggested to inquirers that they send to the U. S. Department of Agriculture, Washington, D. C., and ask for Farmers Bulletin 1053, on control of cherry leaf spot.

Weather is mostly responsible for the record short apple crop that is in prospect this fall. Every commercial apple-producing section in the country reports a poor crop. This seems to be worse in the East, Northeast and Midwest. Even the nation's largest apple-growing district, Wenatchee, Wash., will be more than 3,000 cars short of last year's crop. Apples from the Yakima valley in Washington will be 11 per cent short of the production in 1944.

Next to Washington, New York state is perhaps our most important apple-producing section. New York expects to harvest only one fourth as many apples as in 1944. The great apple state of Virginia reports the lightest crop since 1921. Virginia's short crop is due to a spell of freakish summer weather in March, which

caused the trees to bloom prematurely, only to be caught in an onslaught of wintry weather in April and again in May and even a heavy frost the first week in June.

Michigan has prospects of the smallest apple crop in years. Canada also will harvest a crop much under the average. There will be no more apples in the country than our Armed Forces and civilians can consume. All thought of having any apples for export to Great Britain and the European countries has been abandoned. Earlier in the season when prospects were good there was much talk of reviving our apple export business this year.

Two other problems that loomed large at first have been solved by the way the crop has turned out so short. Labor for harvest was one of these worries, a worry that has simply evaporated. The question of baskets and other containers will not be as serious now as was at first anticipated.

Plenty of Peaches

Peach harvest is now at its peak. Peaches are moving into consuming centers from many producing areas and it looks like there is going to be plenty for everyone. Housewives undoubtedly will take advantage of this one bumper crop and will try to put away as many as possible. Peaches take less sugar for canning than most fruits and this should mean something now with sugar rations reduced. They lend themselves admirably to canning with a minimum of sugar, with honey, corn sirup or, if necessary, they may be put up without extra sweetening.

In an effort to stimulate new interest in a lagging industry, the St. Joseph Chamber of Commerce will stage a fruit show this fall. The plan is to offer substantial prizes for fruit exhibits. There is some talk of including vegetables and it is altogether possible they may add a flower show.

This fruit district, slowly recovering from a series of low-price seasons, 3 consecutive drouth years and the catastrophic freeze of 1940, received good news recently. A food-processing plant is being started in St. Joseph which, it is hoped, will provide an outlet for fruit of certain grade in this area. The new firm, the St. Joseph Food Products Co., offers grape growers \$85 a ton for their grapes. In view of the heavy black-rot damage and hail cuts, many growers expect to take advantage of this offer. Most of the apples to be bought later will be sliced and frozen for pie bakers.

Unusual Grain Chute

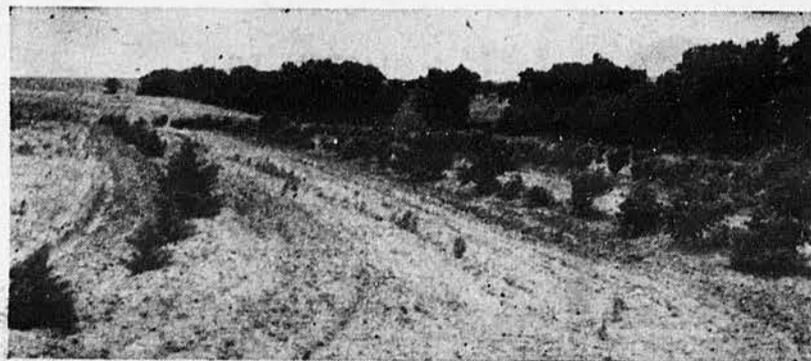
We find that an ordinary tin eaves spout serves as an excellent chute through which to run grain from an overhead bin in the granary to a feed box or barrel on the lower floor. The spout curves or elbows easily around a sharp corner and reaches to the center of a distant overhead bin far more readily than the cumbersome wooden chute formerly used.—Mrs. C. C.

Will Tone Down Winter Wind

ARTHUR KOBLER, Graham county farmer, has a novel idea for using a small acreage on a steep slope near his farmstead. The field contains about 12 acres and is on a slope nearing 8 per cent.

He has terraced the field and has planted cedar, walnut, plum and cot-

tonwood trees in rows on the contour. They now are in their fourth year of growth. Mr. Kobler plans to winter his cattle here eventually, using the trees as a windbreak. Just the improved appearance of the farm would be reason enough for planting, however, he believes.



These trees, planted on the contour in a 12-acre field on the Arthur Kobler farm, Graham county, eventually will serve as a windbreak for wintering cattle. They are planted on a slope of about 8 per cent.

"Like Father — Like Son"

★ ★ ★ ★ ★

Cpl. Delmar Van Horn, Jr., came home in May of 1944 and helped his dad plant 380 acres of corn. In this night maneuver Delmar, Sr., is riding the planter—Soldier Delmar at the wheel.

This spring he was with Gen. Patton's 3rd Army. Next spring Delmar may be home! There are happier springs to come—and plenty of Farmall Tractors and Farmall Equipment for all.

★ ★ ★ ★ ★



The fighting soldiers from the farm know what they want when V-J day comes.

They grew up with the Farmall Idea—the Farmall System. The famous Farmall reached its 22nd Birthday this year and the boys know what it means to farm with Farmall power.

Read this letter from Delmar Van Horn, Sr., of Jefferson, Iowa:

NATURE was a tough customer last spring. She kept the farmers from the fields for weeks and weeks. Just the same, another great American crop comes to harvest.

The mechanized land army advanced—led by Farmall and the Farmall System. Men and women, boys and girls, went to work, with big and small tractors and a wonderful array of tractor machines. They worked miracles, because they were a mechanized army. They swept over America, much as the Armed Forces had rolled across France and Germany—for Food, Victory, and Freedom.

* * *

Now for the farm work of fall and winter. and the happier springs to come. Count on Farmall to lead the way—Farmall in 4 sizes—the sturdy "A" and "B," the powerful "H" and "M," with specialized Farmall equipment for every crop and season.

Keep in touch with your nearby International Harvester dealer. One of these days he will have power and machines to supply you all.

INTERNATIONAL HARVESTER COMPANY
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Contour Farming with Regular Equipment

If your land is rolling—farm it level on the contours. Save the soil! Your Farmall Tractor and McCormick-Deering Plows and Tillage Tools are standard equipment for terracing, contouring and strip-cropping. See your local soil conservationist or county agent, or consult the dealer about your plans and problems.

"In reply to your letter, our son is a T/5 now and has been in foreign service since last September with Gen. Patton's 3rd Army. He is in the Signal Corps. What he wants to do is get back to the farm where this photo was taken.

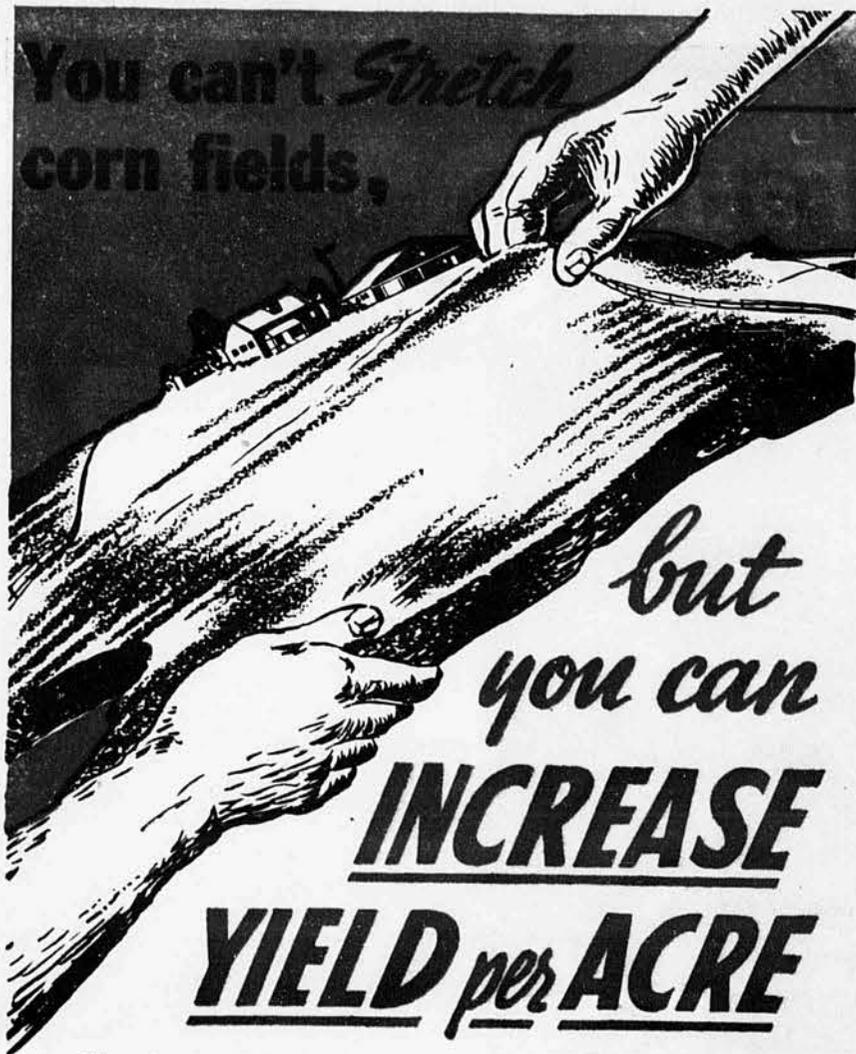
"As my health failed me I had to give up farming and sell my equipment which was all International machines—two Farmall tractors, corn picker, combine, etc. Delmar has asked me to get the same line of equipment for him as soon as he returns home to take over the farm, when the war is over.

Sincerely yours,
DELMAR VAN HORN, SR."

Buy More Bonds—and Keep Them



The Farmalls are Coming Farmall Leads The Way Today



You know those fields of yours as well as you know the palm of your hand. And you know that getting their top yield in corn and profits depends first of all upon your making the right choice of hybrid seed—for you can't sell or feed extra bushels if they aren't there. Your farm is in the region where STECKLEY High Yield Hybrids have been top moneymakers for farmers since 1931.

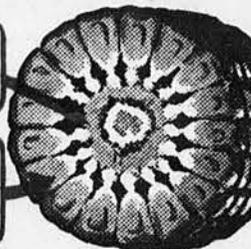
Easy planting, easy picking by hand or machine, STECKLEY High Yield Hybrid seed produces rich kernels thickly set on small cobs. Sound-maturing, STECKLEY means high yield in protein, starch and oils, too, for fast live stock growth. There's a STECKLEY proven High Yield Hybrid to fit your fields and increase your profit-yield-per-acre.

Knowing the progress of STECKLEY'S High Yield Hybrids is sure to help you make the right choice. Get that complete information now in the brand-new STECKLEY specification book. Natural color photos show the "bamboo-like" standability, drought, pest and disease resistance developed in these hybrids that are constantly proved for the high production you want. Sooner or later you'll get around to STECKLEY'S... to stay. Because you're always interested in increasing your yields, cutting your costs, and making more money.

THE "TOPS" FOR CROPS



SMALL COB
DEEP RICH KERNELS



(30)

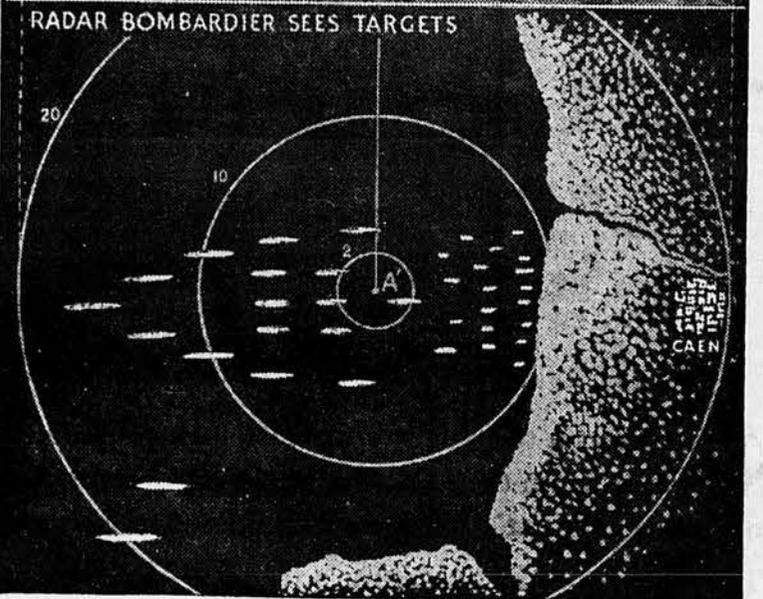
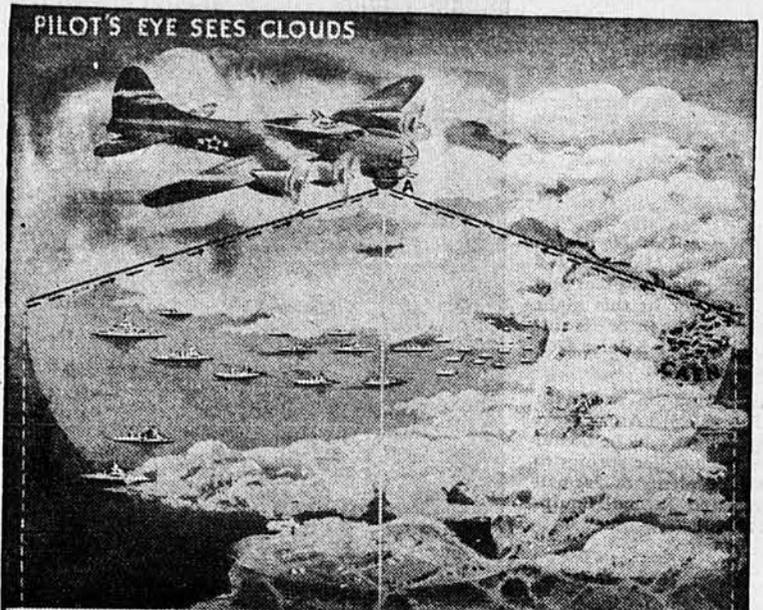


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Here's How Radar Works



Uncle Sam now lets us get acquainted with Radar. In its present form, it is not a very useful attachment for automobile or railroad locomotive.

HERE is how "Mickey," the radar bombsight—America's No. 1 secret weapon—destroyed German coastal fortifications and saved tens of thousands of American lives on D-day!

Upper drawing shows bomber A, equipped with Philco-built radar bombsight, flying thru clouds over Normandy beach 30 minutes before actual invasion landings. Lower drawing shows identical preinvasion scene on radar picture tube in airplane. Bombardier studies lower (radar) picture before releasing bombs. He notes his own bomber's position at exact center A' of radar picture. Bright spots at left are signals from invasion ships—larger spots are battleships, cruisers, destroyers, transports; smaller dots, landing craft. Dense bright area right is Normandy coast. Light circles are

electronic range marks. Inner circle equals 2 miles from bomber's position A'; middle circle, 10 miles; outer circle, 20 miles from bomber. Large bright area right center, 18 to 20 miles from bomber, is the French town of Caen.

This lower radar picture, seen by the bombardier, is made by micro-waves transmitted from the bomber's radar antenna. Radar waves are reflected by ships, coastlines, forts and towns, and the reflected signals are converted electronically into this radar picture.

Exactly half an hour before the invasion landings, bombers equipped with the Philco radar bombsight smashed German coastal defenses despite heavy clouds over the Normandy coast. High army officers report this radar bombing "saved many, many thousands of American lives."

Going Away . . .

A FRESHLY waxed 1942 Chevrolet stood at our little green gate. Inside the rural home a girl went busily from room to room, getting garments and all that is needed to live across the country in a new life, new place and a new job. The man who belonged in the car with the girl was on the fighting front.

At first the little wife seemed lost, then sick. The tragedy of being separated from her companion affected her for days. Then, the gradual feeling of the necessity of getting busy, came upon her. To begin, more schooling was decided to be the first move, as only a few more weeks were required to finish for the degree. Then, to land the teaching job was rather fun, as daughter had taught for years, and knew how very difficult it used to be to get a job with a salary that permitted her to meet expenses of a summer session at our Teachers College.

As things were all neatly packed in the car and daughter at the wheel, I stepped in, too, just to see she got safely by a mudhole down our road. It's nice to go a piece with the loved ones

—it somehow eases the lonely emptiness that the going leaves to mothers and dads. So the job is as far away as she could get it and be in the United States. It is a beautiful country, a place daughter had never been before, with a salary too good to be true, in comparison with the salary when she began teaching. And she is living again in great anticipation and with days too full to worry about the husband whom we feel sure is to be home before too long. And we hope again to see the Chevrolet standing near our little green gate with two very happy people in it instead of one. Then we hope this happy couple can go on from where they started and build the home of their dreams.—E. C.

Editor's Note: No doubt many Kansas farm families have had true human interest experiences that would make good stories. Kansas Farmer will pay \$5 for each short true story accepted and printed. This is another winner; now, let's have one from you. Send it to Editor, Kansas Farmer, Topeka, Kan.

More and Better Things for More People



Every farmer has two main interests in his farm.

One is—how great will be the yield per acre?

The other is—what will be the character and quality of the crop or herd or flock?

And so, by fertilizing and cultivation, by careful soil analysis, seed selection, crop rotation, scientific stock breeding and all the methods proved by research and by

his own experience—he bends every effort toward *more and better production*.

With the manufacturer it's the same story.

His factory and equipment are his "farm."

He, too, is concerned first and foremost with how productive it is and with improving the quality of its output.

He, too, looks to research for aid—and he, too, builds know-how out of experience.

Operating on identical principles, each in its own field, these two great industries serve each other and the people as a whole—the farm supplying food and raw materials, the factory providing manufactured goods.

The result is a great and essential "partnership," forever active in serving progress—always aimed at producing *more and better things for more people*.

GENERAL MOTORS

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"MORE AND BETTER THINGS FOR MORE PEOPLE"

For valuable aid in car care, write for a free copy of "User's Guide"; address General Motors, Room 1806 General Motors Building, Detroit 2, Michigan

How About Silent Children?

By MARTIN F. PALMER, Sc. D.
University of Wichita, Wichita, Kan.

THE war has shown everyone how vital it is that every parent does his best to give to the world an individual who talks normally. Selective Service has had to reject thousands of men because of their speech. The air forces and the navy will not accept men with speech defects. This article is a plea to parents to do something about their children who are slow in talking in order that the society of tomorrow may not have to care for those who cannot be happy, self-supporting citizens.

we see adult after adult whose parents were unable to find service for him when he was young, and who now has to have help when it is too late to rebuild all of the things that have happened to him as a result of his long years of psychological isolation. Every child should talk normally at the age of 3 years. If he does not do so something is wrong. There are, of course, a great many who will still get good speech after this time; but they have, nevertheless, been handicapped by not being able to learn thru speech, at the time they should learn it, the things that a child should learn.

All of our education is carried on thru speech or writing, and the child who has even a slight defect is handicapped in fitting himself into our speaking world. Because the limitations of space are so great here, I wish simply to summarize what a parent should do in order to insure the best possible kind of speech for his child.

1—A good doctor should bring the baby into the world and see that he is physically normal in every possible way.

2—Special attention must be paid always to a child's hearing and vision since without these 2 tools thru which a child learns the speech of others, it is almost impossible for a youngster to learn to talk at the right age.

3—Bottle-fed children must be given every opportunity to get to chewing and sucking on things as soon as possible after the first teeth arrive, because 65 per cent of bottle-fed babies develop speech defects.

4—A child must be talked to from the time he is born so that he has plenty of good models from whom to learn his speech.

If these simple rules were followed by every parent, the number of speech defects that will be with us tomorrow could be cut in half.

There are certain special speech defects which need to be discussed separately. Perhaps the first of these would be the problem of stuttering—including the term stammering, which is no longer used scientifically. The cause of stuttering is still unknown from a scientific point of view, altho there are as many as 200 theories in vogue at present. Let's take a moment to show how little Johnnie begins to stutter, because this will be of help to us in helping him not to begin to stutter.

Too Much Excitement and Strain

Possibly there has been some stuttering in the family tree. Then as Johnnie comes along he has, perhaps, at a year or two old, one of the various common diseases such as mumps, measles, whooping cough, or some sort of difficulty such as allergy which upsets him generally. Let us suppose, too, that things at home are not as they should be. Father and mother are working hard and worried about conditions and talking them all over before Johnnie, so that at home there always is a great deal of excitement and strain and tension in the words that are spoken before the child, until he begins to feel that his home is built upon sand. Now in every child there is a period which he must go thru in which his vocabulary is a great deal larger than he can comfortably use. Mechanically his skills are not as sure as his knowledge. During this time a great many children have simple repetitions such as "wa-wa-water," which will disappear in a week or so if nothing is done or said about them. In some children, however, these do not disappear, and in another smaller group they become steadily worse until there may be spasms of the entire head, neck and upper parts of the body.

Apparently in this group are those who have not been well, who have not

had a stable home environment and, perhaps most important, have become aware that something is wrong with the way they talk. Now, Johnnie, under these conditions begins to attempt not to repeat, and in order to do so he tightens his muscles more and more until he can no longer talk without tightening his muscles; and he has become a full-fledged stutterer with all the suffering this will bring him the rest of his life.

In this discussion I have said nothing about ridicule or over-sympathy, because I believe these are obviously the things that no intelligent parent would do. Of course, every child who has these repetitions should have access to a specialized speech-correction instructor. Almost all of these people belong to an association known as the American Speech Correction Association, and a list can be obtained by writing the association at Indiana State Teachers College, Terre Haute, Ind. But, anyway, Johnnie might have a better chance if his parents would keep their problem away from him, would discipline him honestly and without emotion, and see that he is in good health, and never by word or gesture make him think that he has any trouble with his speech. It is for this reason that the practice of many parents of having their children repeat themselves when they stutter and attempt to get their children to talk slowly, is condemned by most scientific thinkers.

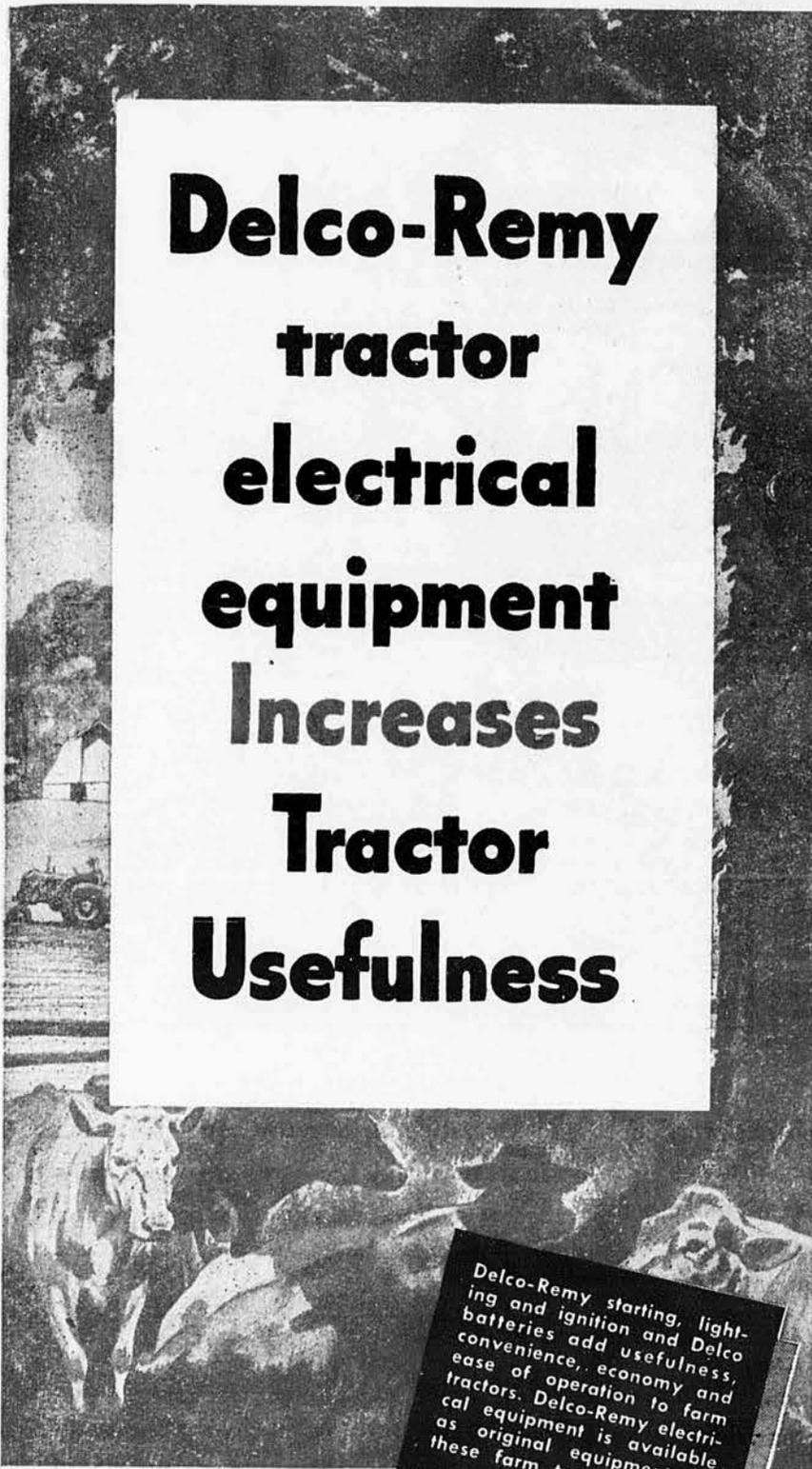
Talked "in Front" of Child

I remember a case of a little girl at the Institute of Logopedics who was brought in by her mother, who immediately began to talk about how terribly her child talked, and then blandly assured us that she never said anything about stuttering in front of her child, with the little tike taking it all in and growing more worried by the hour about her terrible condition.

What about left-handed, right-handed? This is an old controversy which apparently is being settled in the direction of letting well enough alone. If a child wants to be left-handed, he should be allowed to be. If he wants to be right-handed, he should be allowed to be; but the parents should never encourage the use of one hand more than the other. Whether children actually stutter as a result of being forced to change their natural preference is still not clear. Experimental stuttering has not been produced by this strange educational expedient, but many children have been relieved of their spasms by allowing them to choose their naturally preferred hand. The whole problem of stuttering is so complicated that it is impossible to go into it here. For example, it is more often found among boys than girls, it virtually never occurs in diabetics, and there are many other such facts which seem to demonstrate that it is basically a condition caused by physiological change; but at least the parents can do the things suggested with some reasonable expectation that the child will not grow worse and may grow better.

It would be necessary to write at
(Continued on Page 17)

Delco-Remy tractor electrical equipment Increases Tractor Usefulness



Delco-Remy starting, lighting and ignition and Delco batteries add usefulness, convenience, economy and ease of operation to farm tractors. Delco-Remy electrical equipment is available as original equipment on these farm tractors:

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Delco batteries and parts and service for Delco-Remy electrical equipment can be obtained through tractor dealers and United Motors Service stations.

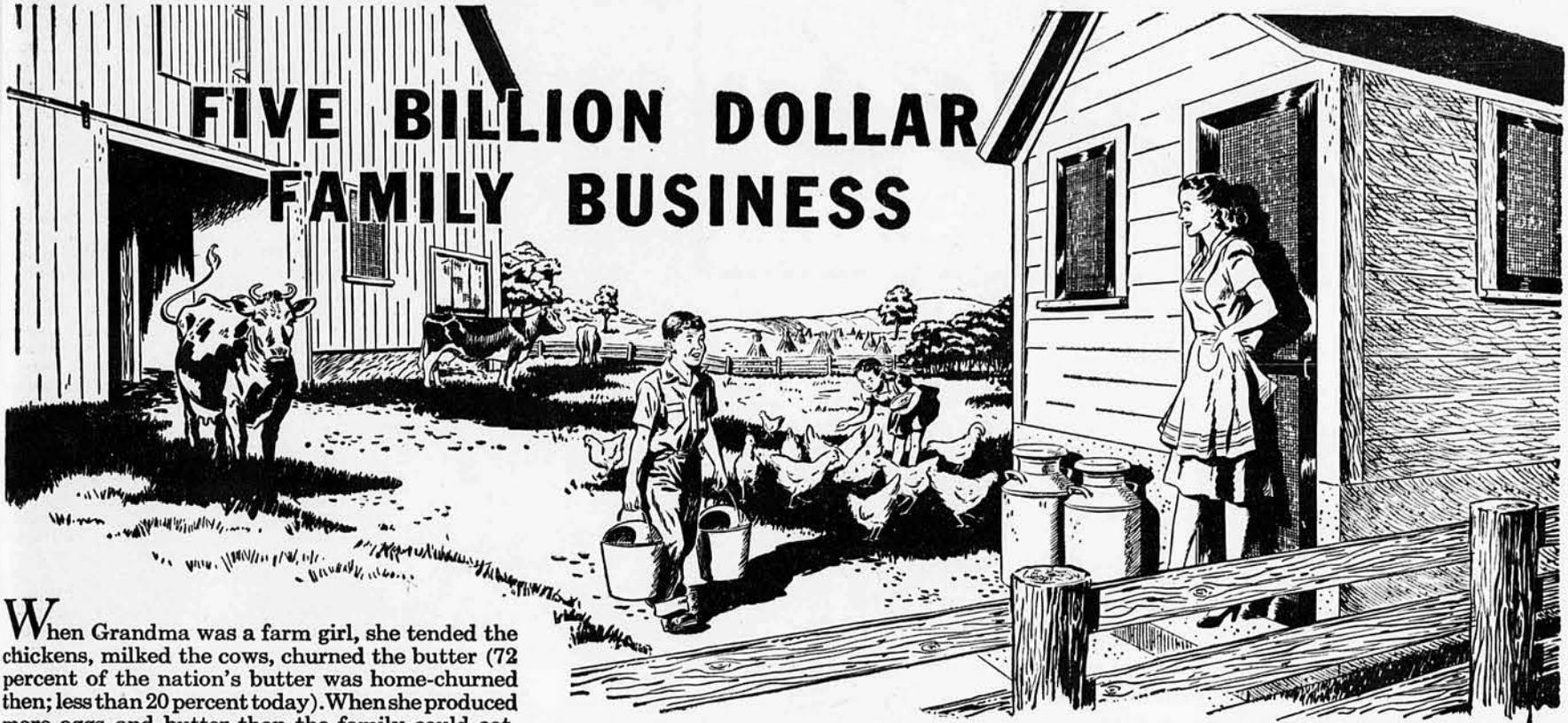


DELCO-REMY

Pioneer Manufacturer of Tractor Electrical Equipment



Every child should talk normally at the age of 3 years. This healthy child is fortunate in being normal but all little folks are not so lucky.



FIVE BILLION DOLLAR FAMILY BUSINESS

When Grandma was a farm girl, she tended the chickens, milked the cows, churned the butter (72 percent of the nation's butter was home-churned then; less than 20 percent today). When she produced more eggs and butter than the family could eat, she would trade the rest for "pin-money" or frills.

Today, Grandma's "pin-money" has become BIG money. Last year it added more than five billion dollars to the income of U. S. farmers. That's more than hogs brought in—or cattle—or sheep. Just look!

1944 Gross Farm Income

Dairy Products.....	\$2,969,000,000	} \$5,264,000,000
Poultry Products.....	2,295,000,000	
Hogs.....	2,796,000,000	
Cattle and Calves.....	2,607,000,000	
Sheep, Lambs and Wool.....	450,000,000	

And believe it or not, dairy products alone returned more money to farm families than the entire corn and wheat crops combined!

Any way you look at it, cows and chickens is a great industry. It is nation-wide, too. California and Texas are crowding close on the leaders—Wisconsin, New York, Minnesota, Iowa, and Pennsylvania. From millions of small dairy herds and chicken flocks in every state, as well as from large-scale operations, comes the enormous volume of dairy and poultry products that are such a vital source of our nation's food.

Here We Are Again!

This series of advertisements is renewed in this issue and will appear monthly. We again invite you to send in good ideas which will help others in the business of farming and ranching. We will pay you \$5 for each good idea accepted by the judges whose decisions are final. And, don't forget to come in and see us whenever you are in Chicago—or if you haven't time to visit, phone us at Yards 4200, Extension 710, or write us at any time about any matter which pertains to agriculture. Remember our address: F. M. Simpson, Agricultural Research Department 128, Swift & Company, Chicago 9, Illinois.

Martha Logan's Recipe for SKILLET DINNER

Pan fry 1 lb. bulk sausage meat with 2 table-spoons onions until brown. Pour off the drippings. Add 2 cups cooked rice, 1/2 cups canned tomatoes and 1/2 cup chili sauce. Blend well. Cover and cook over very low heat for 30 minutes. Do not raise the cover. Serve with lettuce salad and crusty bread. Serves 6 to 8.

Corn COBS Help Fatten Steers

by Paul Gerlaugh
Ohio Agricultural Experiment Station



Paul Gerlaugh

Corn cobs are worth 50% of their weight in ground shelled corn! That is the outstanding result of cattle-feeding tests conducted here, with Dr. Wise Burroughs and L. E. Kunkle. Steers fed corn-and-cob meal graded the same (mostly choice) as similar steers fed ground shelled corn. They gained as rapidly and dressed out 60 1/2% against 61%. All rations were balanced with 2 pounds soybean meal and 4 to 5 pounds of hay per steer per day.

Incidentally, one lot of steers in the tests was fed "double-cob-meal" in which an extra cob was ground up with each ear of corn. And here's a surprise . . . these steers did nearly as well as those that got straight corn-and-cob meal or ground shelled corn. It may be more profitable to feed corn cobs to cattle than to burn them in the kitchen stove.

On the basis of these tests, a ton of corn-and-cob meal is just as good for fattening cattle as 1,800 pounds of ground shelled corn. And the corn-and-cob meal costs less because both time and money are saved by eliminating the shelling operation.

LIVESTOCK MOVIES FOR YOU

We will lend you films for school, church, or other farm meetings: "Livestock and Meat," "A Nation's Meat," "Cows and Chickens . . . U.S.A.," and two brand new animated movies—"By-Products" and "Meat Buying Habits." All for 16-mm. sound projectors. You pay transportation one way only. Write Swift & Company, Dept. 128, Chicago 9, Illinois.



LET'S KEEP THE MACHINE IN GEAR

In these days of mechanized farming practically everyone is familiar with the gears that make the wheels of tractors, combines, and other equipment go 'round. We know that should one gear be removed or get out of line—or even if a single gear-tooth is broken—the machine won't run smoothly, if at all.

It is much the same with the livestock and meat industry. The three main gears are the producer, the processor, and the retailer. When any one of these "driving gears" gets out of order then the entire industry suffers. Coordination of their interests can contribute greatly to the smooth functioning of the industry as a whole. None of us gains by insisting too vigorously that our part of the industry is the only one which has problems that matter. We gain more by trying to look at our particular problems as they affect all of us. In other words, whatever hurts or helps the producer hurts or helps the processor and the retailer also.

The livestock and meat industry is an important part of the national economic structure. We at Swift & Company believe that we can contribute most to the welfare of America—and ourselves—by promoting harmonious practical working relations between producers, processors and retailers.

F.M. Simpson.

Agricultural Research Department

CULL THE NON-LAYERS Now!

Hens in your flocks that are still producing eggs regularly in the early fall months are superior layers. They are the ones to save for breeding stock, writes H. L. Kempster, chairman of the department of poultry husbandry of the University of Missouri. Mr. Kempster says it's easy to select the good layers. They are the hens with white bleached shanks and with old, frayed and brittle plumage. The slick hens with yellow legs and smooth feathers are the ones that should be used for poultry meat. They should be culled out of your flock to make room for mature, ready-to-lay pullets now on the range. As it doesn't pay to sell laying hens, try to examine all individuals in your flock carefully. A red comb and moist, expanded vent are sure signs of a layer. If the vent is dry, puckered and yellow, you may be certain that hen has stopped laying for some time.



Roy F. Guy in show ring

ROY GUY REALLY KNOWS SHEEP

When Roy F. Guy, head lamb buyer for Swift & Company at Chicago since 1931, was a lad of 17, he answered an ad in a Kansas City newspaper. That led to his first job with Swift as a \$4-a-week messenger boy. Before his first year ended, he had doubled his salary and was getting a start in calf buying. At the ripe age of 22, Roy Guy was head calf buyer at Chicago. He held this post for 10 years and then went back to the starting line to learn lamb buying. In his 46 years with Swift, Roy Guy has bought many million lambs and judged in many a show ring. But his greatest pride is in the boys he hired and trained who have made good with the Company. "I always told a new boy to be careful in choosing his Company . . . and to stay with it," he says.

Swift & Company
UNION STOCK YARDS
CHICAGO 9, ILLINOIS

★ ★ NUTRITION IS OUR BUSINESS—AND YOURS ★ ★
Right Eating Adds Life to Your Years, and Years to Your Life

MAKE A PLACE FOR Pickles

By FLORENCE MCKINNEY

NO DOUBT about it—pickles add interest to a meal. They may not be high in food value, but they are high in flavor value. Many times they provide just the right snap to a meal. One advantage to pickles and relishes is that they give the opportunity to use the end-of-the-garden items.

The why of hollow pickles is a puzzler, as is soft pickles. There are causes, but each picklemaker will have to make her own determination as to which cause is her problem. For instance, cucumbers sometimes have hollow places inside when they come from the garden. In other cases, they may form by allowing too much time to elapse between picking and pickling. Too weak a brine will cause pickles to get soft. But one of the most frequent causes is overboiling of the pickles.

Cucumber and Onion Rings

1 peck small cucumbers	Vinegar
2 quarts small white onions	1 cup mustard seed
1 cup salt	2 tablespoons celery seed
	2 tablespoons peppercorns

Slice the cucumbers and onions about one fourth inch thick, pack in a crock in layers with the salt sprinkled between, and let stand overnight. In the morning drain in a cheesecloth bag, and press out all the juice possible. Taste before adding the vinegar and if too salty, rinse in cold water. Measure the onions and cucumbers, take half as much volume in vinegar and heat to the boiling point. Add the spices and pour over the vegetables. Pack at once into sterilized glass jars, seal and store in a cool place.

Odds and Ends Relish

8 carrots	1 large head of cabbage
8 onions	$\frac{1}{2}$ cup salt
8 peppers, red or green	3 pints vinegar
6 cups sugar	1 teaspoon celery seed
	1 teaspoon mustard seed

Grind the carrots, onions, peppers and cabbage. Sprinkle with the salt and let stand 2 hours. Drain and add the vinegar, sugar, celery seed and mustard seed. Mix thoroughly and pack in sterilized jars. These need not necessarily be sealed.

Tomato Catsup

$\frac{1}{2}$ bushel barely ripe tomatoes	3 onions
3 bay leaves	1 teaspoon red pepper
1 lemon	1 teaspoon paprika
1 teaspoon black pepper	2 teaspoons mustard
1 teaspoon white pepper	1 pint vinegar
	2 cloves garlic
	3 tablespoons salt

Wash the tomatoes and cut into pieces. Cook with bay leaves, lemon, white pepper, onion and garlic about 2 hours. Strain thru a colander to remove the skins. Mix the remainder of the spices and stir into the strained portion. Add the salt and vinegar. Stir and return to the large kettle and cook slowly until the mixture thickens and is cooked down to about one half the original amount. Pour into sterilized bottles, seal and keep in a cool, dark place. Garlic cloves may be omitted.



Bread-and-Butter Pickles

24 small cucumbers, sliced	4 cups slightly diluted vinegar
7 large onions	1 tablespoon white mustard seed
2 tablespoons salt	$1\frac{1}{2}$ teaspoons celery seed
3 cups sugar	

Slice the onions very thin, add to cucumbers and salt and let stand for 1 hour. Drain. Add the remainder of the ingredients, bring to a boil, pour into sterilized jars and seal while hot.

Dilled Cucumbers

This recipe uses a small amount of sugar, a boon to the homemaker these days:

40 to 50 cucumbers	1 pint vinegar
2 ounces mixed pickle spices	1 pound salt
Fresh or dried dill	4 tablespoons sugar
	2 gallons water

Use freshly picked cucumbers. Into a 5-gallon crock, place a layer of dill and spice. Fill the jar with the cucumbers to within 4 or 5 inches of the top. Mix the vinegar, salt, sugar and water and pour over the cucumbers. Place a layer of dill on top. Cover with a heavy plate and weight it down with a glass jar filled with water. Use only enough brine to barely cover the cucumbers, for as the liquid is drawn from the cucumbers the jar may overflow. Each day remove the scum that forms over the top and keep the jar at room temperature. In about 2 weeks the pickles are ready to use—crisp, well-flavored with dill and clear thruout with no white spots when cut.

If these are to be stored, pack the cured pickles in sterilized glass jars and add one half cup of vinegar to each quart jar. Fill up the jars with the pickle brine, but first strain it, bring it to a boil and cool. Seal the jars airtight and store in a cool, dry place.

Dixie Relish

1 pint chopped red peppers	1 cup sugar
1 pint chopped green peppers	4 tablespoons salt
2 tablespoons mustard seed	1 quart vinegar
1 tablespoon celery seed	1 quart chopped cabbage
	1 pint chopped white onion

Cut the peppers into quarters, discard the seeds and coarse white sections and soak overnight in a brine made of 1 cup of salt to 1 gallon of water.

Celery seed, dill, paprika, bay leaves, mustard seed and garlic are the seasonings that lend that fine flavor in pickles and relishes.

Freshen for an hour or two, then drain and chop. Heat the spices with the sugar, salt and vinegar to the boiling point, then pour over the mixed vegetables. Pack the relish into hot sterilized jars, partially seal and process for 15 minutes at simmering temperature. Seal airtight and store in a cool place.

Two-Pint Sandwich Spread

Sandwich spread made from the garden tag ends will be delightful in the school lunch.

1 pint green peppers, chopped	$\frac{1}{4}$ cup cold water
2 red peppers, chopped	$\frac{1}{2}$ green peppers, chopped
6 sweet pickles, chopped	$\frac{1}{2}$ teaspoon salt

Mix the tomatoes, peppers and salt. Let stand for about 1 hour and drain off the liquid. Add the water and cook until tender. Add the pickles and keep warm until the following is prepared:

1 cup sugar	2 tablespoons prepared mustard
2 tablespoons flour	3 well-beaten eggs
$\frac{1}{2}$ cup vinegar	1 cup sour cream

Cook this mixture like salad dressing and add to the first mixture. Pour into sterilized jars and seal.

Prevent Pickle Puzzles

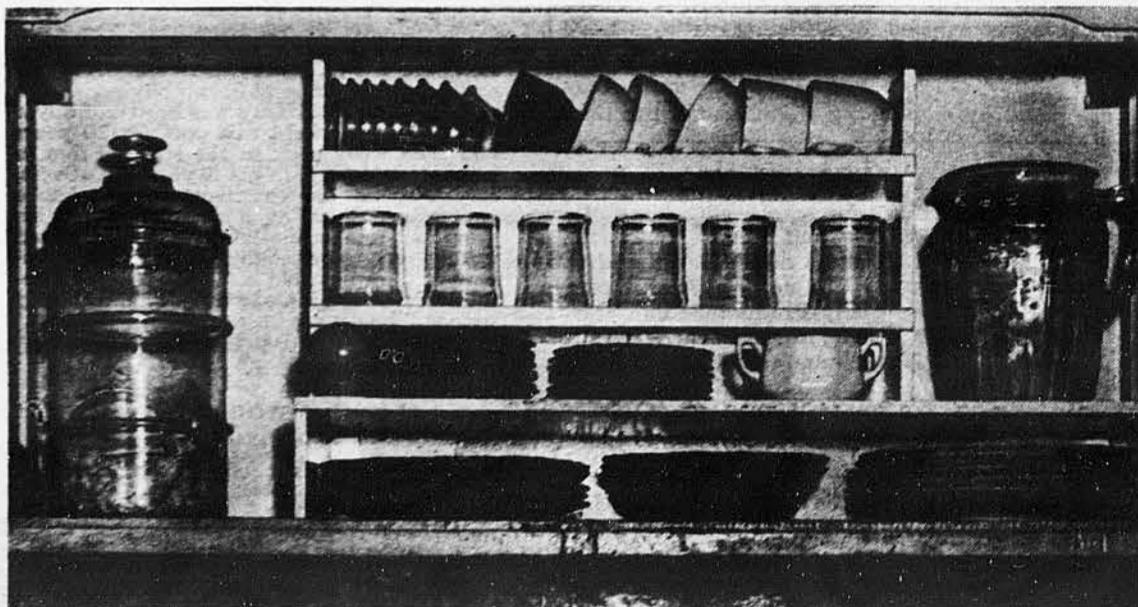
Directions for making pickles should be followed religiously for there are many things that can happen to prevent a top-grade product. Always use a porcelain-lined kettle because of the action of the acid. Do not boil vinegar more than 12 minutes, as it loses its strength. Wash cucumbers in clean, cold water but do not use a brush as this rubs off the little points and makes the cucumbers shrivel when soaked. Too strong a brine will cause cucumbers to soften and spoil.

Generally, granulated sugar is better than brown sugar in pickles. Sometimes a little brown sugar gives richness. Fresh cider vinegar is preferred for cucumber pickles and clear distilled vinegar for pickling onions. Pickles keep better if sealed airtight in jars, but if kept cold in covered jars they often keep satisfactorily.

STEPPED-UP SHELVES

Use Space
Efficiently

Removable stepped-up shelves such as these made by Mrs. John A. Olsen, whose home is near Emporia, are made to fit all the things stored there. Mrs. Olsen did the carpenter work herself, by remodeling the inside of an old Hoosier cabinet. The storage of kitchen equipment is not adjusted to fit the space but the storage space is built to fit the equipment. This eliminates the disadvantage of removing some articles to get others. There is no piling of smaller plates upon larger ones and no cups placed upon saucers.



Makes Cheddar Cheese

Has Butler County Record—600 Ration Points Worth



Mrs. Black displays several pounds of her product—cheddar cheese. At left is the cheese press made from a tire stretcher, the cheese, the curd cutters, the pressure cooker, sieve, cup and thermometer, all the equipment needed for making cheddar.

TO MAKE 600 red ration points worth of cheese establishes a record in Butler county. Mrs. John Black, of Douglass, made 50 pounds of cheddar cheese this year and 76 pounds last year. She is nutrition leader for her club and has taught the members to make quick-process cheese, cheddar, and variations using nuts and pimentos.

In her kitchen, Mrs. Black assembled the equipment she uses and displayed the finished product in 1-pound sizes. Each block is covered with cheesecloth and paraffin. The equipment consists of a 19-liquid-quart pressure cooker in which to heat the milk, a sieve and cup to dip out the whey, a press, homemade curd cutters from wire, and a thermometer. Mr. Black made the press from a tire stretcher and it's a good one. Mrs. Black completes the cheese-making process from the start to the time it goes into the press in 1 hour. The finished product is as fine as any prewar commercial product, both in taste and appearance.

Cheddar Cheese

Mrs. Black uses the following recipe for making the cheddar variety, and is so skilled that the various steps move along rapidly.

1. Heat 5 gallons of fresh milk to 86 degrees F.
2. Add coloring. Use one fourth of a coloring tablet dissolved in 1 tablespoon cold water, or one half tablespoon of liquid coloring diluted in 1 tablespoon cold water.
3. Add one No. 2 rennet tablet which has been dissolved in 1 pint of cold water. It will require one half hour for the rennet to dissolve. Stir 3 minutes after rennet has been added.
4. Cover the milk and let stand perfectly still for at least 30 minutes. The curd is ready to cut if it splits smoothly when the finger is inserted. It will require 30 to 60 minutes for the milk to curdle.
5. Cut curd in cubes as quickly as possible with a long knife.
6. Let it stand until enough whey rises so it can be dipped out. Heat about 2 quarts of whey to scalding temperature and pour back into the curd. Repeat this process until the temperature is raised to 98 degrees F. The curd should be stirred frequently during the heating. Take 1 hour for this process.
7. The curd should remain in the

whey until when squeezed in the hand the cubes do not stick together.

8. Drain or dip off the whey. The temperature should still be at 98 degrees F.

9. When whey is drained off, cut the curd in fourths and pile in one end of boiler. Repeat this process 3 times. This causes the cheese to drain thoroly.

10. Cut cheese in fine cubes and add 3 tablespoons salt. The temperature at this stage should cool to 88 degrees F. Mix in carefully. Cool the curd still further to 86 degrees and place in cheese press.

11. Use very little pressure at first, then gradually increase it.

12. After the cheese has been pressed 45 minutes, remove the cheese and add the cheesecloth covering. Return to the press and press for 24 hours.

13. Cure cheese in a cool, dry place. Turn cheese each day for 2 weeks. Cover with paraffin and turn twice a week.

14. The cheese should ripen at least 1 month.

Quick-Process Cheese

Mrs. Black uses the following for quick-process-type cheese. Only ordinary kitchen equipment is needed for this quickly-made variety:

- | | |
|-------------------------------|----------------------------|
| 1 gallon thick clabbered milk | 3 tablespoons butter |
| 1 teaspoon salt | ½ teaspoon soda |
| ½ cup thick sour cream | ½ teaspoon butter coloring |

Heat the clabbered milk to 110 degrees F., stirring most of the time. Hold at this temperature for 30 minutes and continue stirring. Drain off the whey and press the curd until it is very dry. Add butter and soda. Mix thoroly and let stand for about 2 hours. Turn the curd into the top of a double boiler, add salt, cream and coloring if needed, and heat, stirring continually until all ingredients melt and blend into a smooth mass. Pour into a buttered bowl to mold.

This makes 1 pound of mild-flavored cheese. If a stronger flavor is desired, add pimentos or caraway seed.

Remove Scorch

Where is there a homemaker who does not look with dismay at a scorched spot, especially if on a linen tablecloth? If it is not actually burned, it likely will come out with hydrogen peroxide. Lay a clean white cloth that has been dampened with it over the scorched spot. Cover this with a white dry cloth. Then iron on the top cloth with a medium-warm iron.

If the hydrogen peroxide soaks thru the top cloth, use another dry cloth. It may be necessary to repeat this process several times. Do not iron directly on the cloth moistened with the peroxide or on the damp tablecloth after taking off the white cloths. Rinse the tablecloth well before laundering it in the usual way.

For a very slight scorch it may be bleached by washing with soap and water and then giving the material a long sun bath.

Roll Call Suggestions

Rural club women soon will be taking up the fall work after the summer vacation. Our new leaflet, "Ideas for Club Programs," includes several suggestions for roll call which can be developed into full-length programs. A copy of the leaflet will be mailed upon request to Farm Service Editor, Kansas Farmer, Topeka. Price 3c.



You Just
Can't Beat
Butter-Nut
"The Coffee
Delicious"

None but the world's finest coffees are ever used in Butter-Nut. It is the favorite coffee of a million homes. It cheers you up when you are tired. It gives you a lift when you need it. Its flavor is always smooth and rich and deliciously satisfying. Sitting in the pot on the back of the stove it never becomes harsh. At breakfast, dinner or supper its good flavor makes all the rest of the meal taste better. Coffee like that is coffee to remember. Next time you order, say Butter-Nut, and get real coffee pleasure for your money.



Butter-Nut
"The COFFEE
Delicious"

JELLIES you can be proud of!



USE THIS RECIPE for CONCORD GRAPE JELLY

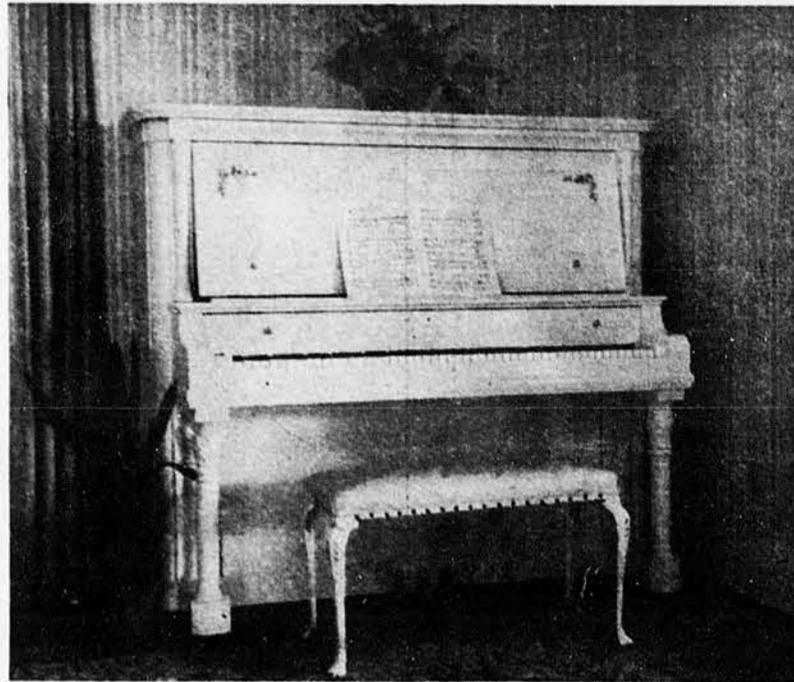
- 5 Cups Squeezed Juice
- 7 Cups Sugar
- 1 Package M.C.P. Pectin

Wash and crush 3½ pounds fully ripe grapes. Add 1½ cups water and simmer covered for 10 minutes. Squeeze out the juice. Measure exactly 5 level cups of the juice. (add water to fill out last cup, if necessary), into a large kettle. Add the M.C.P. Pectin, stir well, bring to a boil, stirring constantly. NOW, add the sugar (which has been previously measured), continue stirring, and bring to a full rolling boil. **BOIL EXACTLY 2 MINUTES.** Remove from fire, let boil subside, skim carefully. Pour into sterilized glasses, allowing ½-inch space for sealing with fresh paraffin.

Save time, work
and sugar with



A Piano Is Transformed



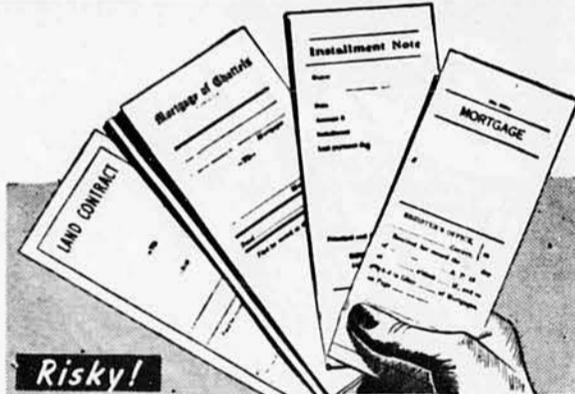
Two coats of flat white paint and one of ivory enamel, transformed an old, golden oak piano and bench into a modern, cheery living-room addition.

THERE must be thousands of unattractive upright pianos in the country that could be improved by a new paint job. "This old, golden oak piano looked dark and grimy. In fact there was not one attractive thing about it," said Mrs. Verne Alden, of Wellsville. "It made the room look dark and gloomy, and I decided to do something about it." So, like any good refinisher, she removed all the old varnish. This insures a smooth, long-lasting cover of either varnish, paint or

enamel. She then applied 2 coats of flat white paint at intervals and last, a coat of light ivory enamel. Thinking that it could be improved still more by a touch of color, she applied 2 small flower-design decals in the upper corners of the front panel.

For the bench, she revived an old one, by padding and covering the top with ivory imitation leather. Paint and a final coat of ivory enamel to the bench completed the job. It adds warmth, brightness and cheer to the Alden living-room.

Gambling on a boom?



YOU know men right in your own locality who ARE gambling. They're buying land, taking on debts, spreading out...in the hope of catching a few extra dollars NOW while money is easy and prices are high.

Recall the years during and after

the last war? Recall how folks took on debts instead of paying them off...as though the high prices were sure to carry right on forever?

Sure you remember. And you remember what happened when prices started down!

Getting ready for anything?



NOBODY has a right to tell you what to do with your money. But, brother, if you're smart, you won't gamble it away.

You'll pay off your debts. Take out adequate life insurance. Lay up a reserve of War Bonds. And you'll put your place in top-production shape. Build up the land. Improve your livestock. Fix up your buildings.

Then no matter what happens after this war, you'll be in permanently better shape! A sure way to win without risk!

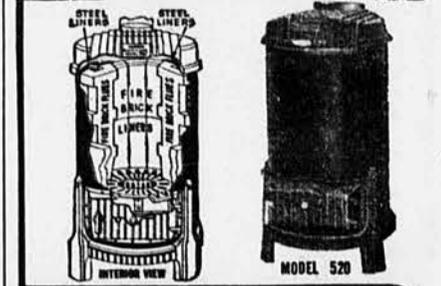


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SAFE AND SOUND**

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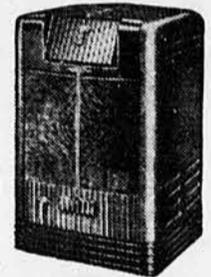
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SEE YOUR DEALER—Sold by more than 25,000 Hardware, Furniture, Coal and Lumber dealers throughout the Nation.

LOCKE STOVE COMPANY
114 West 11th St. Kansas City 6, Mo. (L-4)

Noodle Shortcut

By V. L. N.

To save time in cutting and trouble in eating noodles, I use the following plan. Roll out the dough as usual. Cut it into strips about 1½ inches wide, then stack these strips one on top of the other. Slice off the end of the stack until used up. It's quick and the noodles are much easier to handle while eating, especially by children, for all the pieces are short, only 1½ inches in length.

Dress For Fall



9156
SIZES
14-20
32-42

Here it is—your first fall dress. Simple, wearable, Pattern 9156 is equal to any occasion. Trim it with stitching and a contrasting belt. It comes in sizes 14, 16, 18, 20; 32, 34, 36, 38, 40 and 42. Size 16 requires 2¾ yards of 39-inch material.

Pattern 9156 may be obtained by sending 20 cents to the Fashion Editor, Kansas Farmer, Topeka.

HERE'S A SENSIBLE WAY TO RELIEVE

cramps, headache backache

OF "CERTAIN DAYS" of the month



Helps Build Up Resistance
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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.

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HELPS NATURE: There are positively no harmful opiates or habit forming drugs 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! **INEXPENSIVE!**

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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.

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for CRIPPLED CHILDREN**
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Go Further
with **LEWIS' LYE**



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You will find the free Lewis' Lye handbook contains dozens of valuable cleaning helps which will save you time, money, hard scrubbing and soap. Drop a penny post card for your free copy today.

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STAMMER?

This new 128-page book, "Stammering, Its Cause and Correction," describes the Bogue Unit Method for scientific correction of stammering and stuttering—successful for 44 years. Benj. N. Bogue, Dept. 3720, Circle Tower, Indianapolis 4, Ind.

GET THIS FREE BOOK!

To Polish Iron

I keep an emery board in the laundry as it is just the right thing to remove starch which sticks to the iron.—E. W.

Wallpaper for Shelves

I use discarded rolls of washable wallpaper for shelf and drawer lining. It is especially durable and much cheaper than shelf lining.—R. C. B.

Oil the Cork

To prevent corks from sticking in glue, polish or cement bottles, rub them well with vaseline before stopping the bottles.—F. C.

Shoos Moths

A whisk broom used on upholstery, especially along the seams and corners, removes dust and discourages moths. It is especially good for grooming fringe on rugs, also.—H. K.

Wax Enamel

Wax all light-colored enameled surfaces with a liquid wax made especially for light colors by a well-known manufacturer of such products. The enameled surface will wash easily. Wax after each cleansing.—Mrs. H. E.

Protects Fingers

I push short tacks that are difficult to hold thru a small piece of cardboard which holds them securely while being driven. It can be torn away after the tack is well started.—Mrs. R. E.

Tape Hammer Head

A strip of adhesive tape over the head of the hammer will prevent it marring paint when driving upholstering tacks, and will prevent the hammer slipping off round-headed tacks.—N. M. J.

Silent Children

(Continued from Page 12)

extreme length to cover the rest of these speech defects, but let us mention a few so that parents may be guided in dealing with them. We have the child who is damaged at birth with the result that he cannot control the organs of speech as well as of his body. There is the child who suffers a brain damage which prevents him from organizing his ideas in the form of speech. There is the child who suffers injury to the vocal apparatus and can no longer give a good sound to his voice but is husky and broken when he talks. There is the youngster who has a cleft palate and harelip which fortunately can be operated in both Kansas and Missouri, and then must have expert training for him to get the benefit of his operation. There is the child whose sounds are defective for many reasons—perhaps the shape of his mouth and nose, his hearing, or general poor health, or any of the many ills to which the flesh is heir. In all of these the 4 simple rules that we gave at the beginning of this brief article will be of help. All of human civilization has been built upon the idea that men could tell each other their thoughts; all business, all schooling, all social life is done thru speech. The child who goes to school not talking correctly is a child who is handicapped so seriously that society must pay the bill sooner or later; and the child himself is doomed to a life of considerable tragedy, because he cannot fulfill his splendid human heritage.

Making Real Progress

The Institute of Logopedics has been able to serve in a limited way in replacing many of these people into useful occupations and useful lives by correction of their handicaps. While not all of these handicaps are correctible yet, science has been making great strides, and when money is available so these problems can be studied more thoroly, and this is, of course, one of the serious needs of this profession, we can look forward to the day when no youngster will be forced to a life of social ostracism because he cannot join us in talking about his thoughts and feelings and aspirations, and when every youngster will not be slowed down in his efforts to learn because he cannot comprehend fully our speech nor tell us what he knows.



"These packages are delicious! My fondest dream is to some day find one with some Wheaties left in it!"

by **Betty Crocker**

GOLDEN WHEATIES BARS—a delicious, crunchy confection. For dessert, or lunch box. Our whole wheat flakes, Wheaties, add a rich wheaty flavor. Easy to make, say our General Mills food staff. No baking required. And only ½ cup sugar.

Mix in bowl
3 cups Wheaties
½ cup Salted Peanuts
½ cup Coconut (if desired and available)

Combine in saucepan
½ cup Sugar
½ cup Cream or Top Milk
¼ cup Corn Syrup

Cook to 236° (until mixture forms soft ball in cold water), stirring occasionally. Remove from heat. Pour over Wheaties mixture; mix well. Flatten into greased 8-in. square pan. Cool; cut into bars. (32 bars 1x2 in.)

FARM FAMILIES, we find, are taking more and more to Wheaties—especially now that there's the new larger package (Extra-Big-Pak, holding 50% more than the regular size.)

FUN TO EAT, Wheaties are—at breakfast or other times. Crisp, toasty, whole wheat flakes, richly flavored with sweet malt syrup. Second-helping good!

NOURISHING, TOO. Wheaties supply whole wheat levels of two important B vitamins, iron, and food energy. A big bowlful, with plenty of milk and fruit, adds worthwhile nourishment to breakfast. Do try our Wheaties. Plenty at grocers'.

"Wheaties", "Breakfast of Champions" and "Betty Crocker" are registered trade marks of General Mills, Inc., Minneapolis, Minnesota.

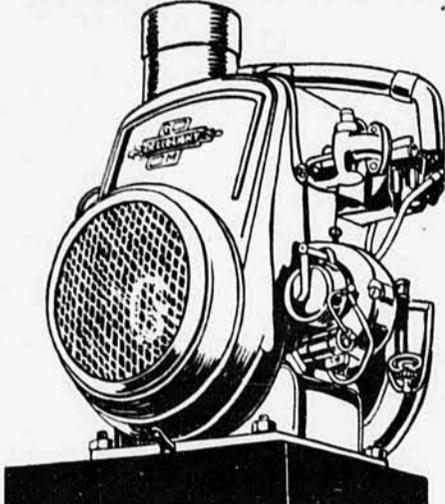
General Mills, Inc.



BIG ONE!

There's now a super-size Wheaties package. The Extra-Big-Pak. Holds 50% more Wheaties than the regular size. Designed for families with big ideas. And it's another good reason for trying America's favorite whole wheat flakes. Tomorrow, have this famous "Breakfast of Champions".

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WRITE FOR **FREE New Book**

Distributors of Serum and Virus.

What to Expect From Penicillin

By CHARLES H. LERRIGO, M. D.

TODAY Penicillin is available wherever needed in this country, being in the hands of responsible druggists. Doctors can obtain it readily and in large quantities. There is necessity for its use in large quantities because of its rapid excretion from the body thru the urinary system. Note that Penicillin is not for home treatment. Whatever may come in the future, at present all treatment must be at the hands of nurse or doctor. For most part the treatment is given either by intravenous or intramuscular injection. In treating burns and wounds, application is made direct to the injured tissues, but we are warned that in this much care must be exercised, for the dry form of the remedy is irritating and must not be used in concentration. Solutions must be prepared and administered with great care.



Dr. Lerrigo

It is good for you to know of some things that may be expected. And certainly it is good for you to know that your doctors can readily learn how to make use of Penicillin. Speaking of the more common things, we find it gives excellent results with carbuncles, with burns, with wound infections of all kinds. It has made a great record in pneumonia. It has done startling things in clearing up the collections of pus that work such havoc in the lungs under the name of empyema. Heart troubles of certain types, heretofore considered incurable, may yield to Penicillin. Meningitis is one of the things in which it has produced wonderful results. In the Army it is used extensively in the venereal disease of gonorrhoea and syphilis. It is always to be considered in such diseases when the sulfa drugs have proved to be of no effect.

I might recite many things of this nature. Let me point out, however, that all are of a serious character in which the physician must be consulted. Therefore, the important thing for you is to call your physician. The reassuring thing for you is that he now has an agent that can do wonderful things if treatment is begun without delay.

It is worth while for you to know, too, that there are some things in which Penicillin thus far has not been effective, and therefore it is hopeless for you to urge its use upon your physician. As a matter of fact, an anxious patient often urges things upon the doctor. He is not to blame for the doctor's decision. Some of these contraindications for Penicillin are diseases like tuberculosis, typhoid fever, acute rheumatic fever, ulcerative colitis, malaria, cancer, and poliomyelitis. They are terrible diseases, sadly in need of a miracle-working agent, but Penicillin, thus far, has failed. Like other mighty agents, Penicillin works wonders, but it must stay within its sphere.

Top Honor to Kansan

KANSAS won its fourth W. G. Skelly Award for Superior Achievement in Agriculture in 1945, when Olaf Eckman, of Douglas county, received this national honor.

Eckman has an outstanding farming record despite a physical handicap. He operates 160 acres which he and a brother, Albert Eckman, who is with the Army, own jointly.

"The Eckman farm is typical of the modern, diversified farming found in Douglas county," the committee said.

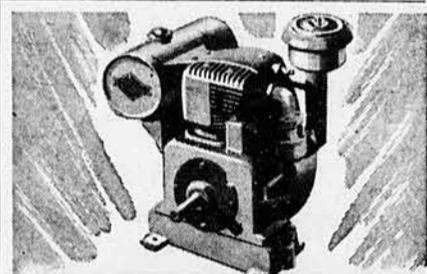
Chief enterprise is dairy cattle. A herd of 16 Guernseys produce 120,000 pounds of milk yearly. Also, a flock of 160 hens lays 2,000 dozen eggs, and 350 chicks are raised.

Eckman also is a careful soil conservationist. All land is plowed on the contour, and crops are rotated to take care of the soil. Field crops include 37 acres of wheat, 35½ of corn, 24 of tame hay, 6 of oats and 24 of soybeans.

"Eckman does all the work himself except for the aid of his mother," the committee said, "and despite being

crippled he gets more work done than most men." He also is active in community life, serving until recently as secretary of his county Guernsey association, is a member of the Vinland Grange, the Baldwin Co-operative Creamery and of his local price and rationing board.

He received the award, consisting of a \$100 War Bond, scroll, pennant and gold lapel button, at a breakfast in his honor. At that time his achievements were broadcast by Lloyd Burlingham, farm news commentator, and secretary of Agricultural Publishers' Association, over NBC.



A "SERVICE RIBBON" for BRIGGS & STRATTON

THE Army Air Forces have awarded us the "APPROVED" Quality Control Rating—official recognition of high standards of inspection during over two years' production of General Electric high-tension magnetos for 2,000 HP Pratt & Whitney engines used on high-flying fighters, bombers and transport planes. The ultra-precision necessary in making magnetos is far more exacting than generally used. Yet we needed no changes—because for many years, this same watch-like precision has been the outstanding feature of Briggs & Stratton engines!

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From a Marketing Viewpoint

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

1—Has the Government set the time for which the price of fat hogs will stay at \$14.45 in Wichita?

2—Will the price after that date be higher or lower in your opinion?—J. D. W.

The Government has promised that the present ceiling prices at various markets will not be lowered before September 1, 1946. Also, the support price of \$13 at Kansas City (the support price at Wichita probably is \$12.95) is to be effective until September 1, 1946.

There is not much chance of prices going much higher than the ceiling price (\$14.45 at Wichita) because of a shortage of hogs. The ceiling price probably will not be changed. However, if hogs are plentiful prices probably will work lower and ceiling prices would become unnecessary and could be removed. It is doubtful whether

prices will go much if any below ceiling prices until late in 1946. However, this may not be a good time to expand production above your normal operations.

I heard that the Government has canceled all contracts for woolen clothes. What effect is this likely to have on prices of wool for the remainder of 1945 and 1946?—W. H.

The Government is committed to purchase all the wool offered for sale until June 30, 1946, at present supported prices. Consequently, prices to farmers should hold at near present levels until that time. If price supports for wool are removed after June 30, 1946, it seems probable that prices for domestic wool will have to decline enough to meet the competition from foreign wool. At present foreign wool sells at prices several cents a pound cheaper than the supported prices for comparable grades of domestically produced wool.

Does the end of the war mean lower wheat prices?—R. J. M.

Probably no lower wheat prices during the present season. Prices a year or two years from now probably will be lower, especially if the United States and Canada raise large crops.

The end of the war reduces the quantity of wheat and flour required by the Army, and decreases the quantity of wheat used for making industrial alcohol. However, it increases the quantity of wheat required for relief feeding in Europe and in the Philippines and China. With more shipping space available, the total requirements for wheat will be increased.

I had intended to increase my laying flock. Since the war has ended, I wonder whether this will be profitable?—N. R.

If you have pullets that will come into production during the next few months, it will be desirable to go ahead with your plans. Even if egg prices should decline somewhat from the ceiling, egg production during the fall and early winter will be profitable. If you were planning expansion next spring, you should delay plans until next winter or early spring to see how conditions appear then.

Protein Outlook

The Government's August report indicates a decrease in cotton acreage of approximately 10 per cent for the U. S. this year. This seems to promise a material decrease in shipments of cottonseed cake and meal from the South to Kansas feeders this fall and winter, according to J. C. Mohler, secretary of the State Board of Agriculture. The U. S. Department of Agriculture estimates a harvested acreage of 18,355,000 acres in 1945, as compared with 20,354,000 acres in 1944, and the 10-year average of 26,359,000 acres.

Because of the outlook Kansas feeders might well consider the advisability of early arrangements for getting their protein needs.

Cottonseed cake and meal shippers in the Mississippi valley, as well as those in Texas and Oklahoma, have advised the State Board of Agriculture that there is likely to be comparatively little cottonseed cake and meal shipped from those areas up to Kansas this year.

Wheat Varieties

A new booklet showing the characteristics of typical wheat kernels of each of the important Kansas varieties, has just been prepared and issued by L. P. Reitz, Agronomy Department, Kansas State College. There are attractive photographic plates of each of the varieties many times enlarged, with a brief description of each. Kansas Farmer's Bulletin Service, Topeka, will be glad to have a copy of this interesting booklet, "Kernel Characteristics of Kansas Winter Wheat Varieties," sent free upon request. Your post card or letter will receive prompt attention.



PARDON ME, ANOTHER WAY TO SAVE MONEY IS TO ORDER NOW YOUR NEXT SEASON'S NEEDS OF SINCLAIR LUBRICANTS, STOCK SPRAY AND INSECT SPRAY.

HOW COME?

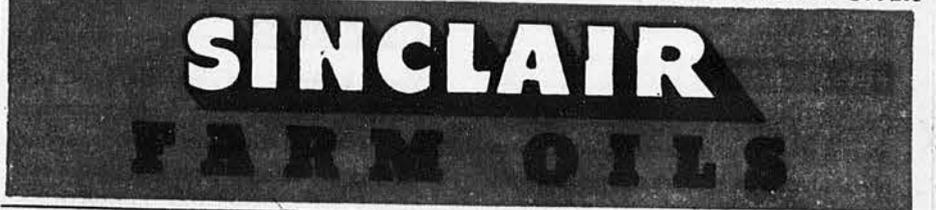
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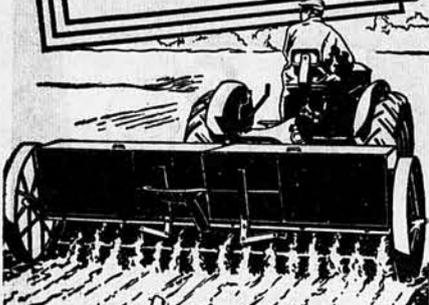


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FERTILIZER AND SEED DISTRIBUTOR
For rugged farm use!



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Such a workmanlike machine! It's tough, it's powerful. It will give you years of long, hard service.

Every Hamilton is made of 11-gauge steel welded throughout. Double agitators—each side working independently, each geared to a wheel—break down lumps . . . assure even distribution.

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War Time—Did It Help?

(Continued from Page 5)

whose liberalism the others admit is limited to liberal spending by the Treasury—met at a luncheon off the Senate restaurant, and agreed to push for early enactment of legislation to enact the following 12-point super New Deal postwar program:

1. Speed reconversion, continue price controls, legislate permanent increases in unemployment benefits; make up for loss of war-work overtime thru new wage bargaining agreements. The attempt will be made to get as many basic wage rates as possible that will insure workers getting for 40 hours work postwar, the same take-home pay they got for 48 hours (including 8 hours time-and-one-half for overtime).

2. Maintain high agricultural output by Government guaranteed prices; aid farm workers displaced by mechanization; provide modern services to farm communities.

3. Create expanded opportunities for business; revise RFC and other Federal loan policies to assure (more) ade-

quate credit facilities; provide technical and scientific aid to small business, enact anti-cartel legislation.

4. Promote higher wage levels with 65 cents the hourly minimum wage; centralize labor administration (the Liberality bloc doesn't mention that was the primary step in Germany, Italy, Russia, to make trade unions subservient to government); extend use of guaranteed annual wage; fight Ball-Burton-Hatch Act to revise Wagner Act.

5. Appropriate more funds for Bretton Woods and Export-Import Bank to increase foreign trade.

6. Expand national housing program.

7. Adopt national health program; increase social security coverage (so-called "womb to tomb" payments from Federal Treasury).

8. Broaden educational opportunities.

9. Stabilize community construction at high levels. Subsidize local public works including hospitals and schools.

10. Increase employment opportunities by developing national resources.

11. Have government guarantee full employment; raise income tax exemptions.

12. Give veterans adequate security, training and jobs.

Out of deference to Senators Pepper, of Florida, and Bilbo, of Mississippi, the "Committee of Fifteen for Liberality" did not mention the FEPC, but permanent FEPC legislation is included in the program of most of the "Liberals."

The effect of the permanent FEPC (Fair Employment Practice Commission) bill now pending in the House is not generally understood over the country. Under its provisions, any employer of more than 5 persons could be dragged before this Federal agency or one of its representatives, and be required to satisfy the agency that his employment of John Doe, a Methodist, when Richard Roe, a Baptist, also had applied for the job, was not because of the employer's prejudice against Baptists. And if he made a promotion in his plant, that promotion would be subject to investigation by the Federal agency if those not promoted were of a different race, creed, color, or of a different national origin, from the one promoted.

There is no reason for getting too much excited over changes in Government agencies dealing with agriculture in the immediate future. There will be a lot of changes in names, some changes in prominent faces, but comparatively few in actual functions and operations of agricultural agencies.

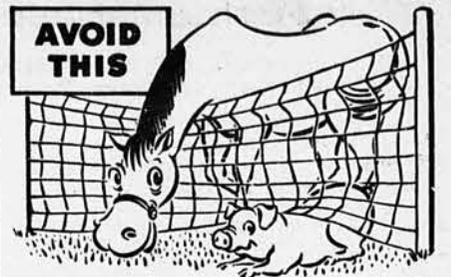
Take the recent announcement that (according to one headline) "The AAA goes out." All the change does is to give the functions of the Agricultural Adjustment Agency to the newly created Production and Marketing Administration of the Department of Agriculture. The Agricultural Adjustment Agency was a war agency to which were transferred the functions of the Agricultural Adjustment Administration soon after we formally entered World War II.

N. E. Dodd, head of the AAA and director of the PMA, said the change was "merely in organization and not in policy at all. As far as the agricultural outlook is concerned, the changes in the organization set-up are not expected to make any difference."

It is of importance to farm pocket-books when the war is declared ended, officially. The promised support of prices on most farm products (at 90 per cent of parity) is for 2 calendar years after war is declared ended. This can be by proclamation by the President, or by concurrent resolution by both branches of Congress. Official declaration of the end of the war before next January 1 means support prices thru 1946 and 1947. If declaration comes after January 1, thru 1947 and 1948.

For Painted Walls

I find the best solution for cleaning painted walls is 1 cup hot water, 1 cup kerosene and 1 cup vinegar mixed together. This is applied with a cloth, then thoroly wiped off with another soft cloth. This makes a hard job more simple.—Eva Fuller.



● Continental PIONEER fence has extra strength to resist hinging, buckling or bending of the stay wires. It can "give" slightly with the crowding of livestock, then come back straight. No other fence has the famous, semi-flexible PIONEER knot. It's good fence all the way through. Made of copper steel. See PIONEER fence at your Continental dealer's.

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Facts for Dairymen



QUESTION: On the average farm, the tractor is used more than any other farm machine.
ANSWER: FALSE! According to a government survey milking machines are used most hours per year... 684 hours on the average.

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Sweep Rake attachment also available. Easy, simple to operate. Can be put on tractor by one man in 30 minutes! Raises anything up to 2000 lbs. Twin Hydraulic lifts keep load balanced in all positions. Write today for FREE PICTURES, details. McGRATH MFG. CO., Dept. K2, 4680 Leavenworth St., Omaha 6, Nebraska.



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Irrigation is one exception to the rule that investments that pay biggest dividends also involve the biggest risks.

Forget about droughts and consider a normal year. Even then, irrigation pays off because your crops get the benefit of all the water they need at the one time in their growth when water does the most good. You know what those benefits are: better crops, greater yield.

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Cost of irrigating your land depends on several things: your acreage, your possible source of water, the type of pump you need, etc. Your nearby Worthington Vertical Turbine Pump dealer can give you an estimate after a short study. And he'll also tell you how much the value of your crops and land will be increased.

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Because the cost of an irrigation pump includes first cost, operating cost and maintenance cost, it pays to invest in a

Worthington Vertical Turbine Pump... designed to give you the most water for the least money... with the least trouble over the longest period. Worthington, the world's largest manufacturer of pumps, has more pumping experience than anybody else. That's why you can't beat Worthington for performance and service.

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You'll want to read about the bowl and impeller designs that keep efficiency high and operating cost low... about the rugged column pipe... about the turned and polished steel line shafting and large bronze bearings... and other features of Worthington Vertical Turbine Pumps. Bulletin H-450-B32 gives all the facts that prove *there's more worth in Worthington.*

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Complete Fair Invites You

Special Features of Interest to Exhibitors

A COMPLETE Kansas State Fair will be ready for everybody to enjoy September 16 to 21, at Hutchinson. The fair management had to do some tall old scrambling to get the job

done, but you can count on one of the best fairs you ever have seen.

"This thing of canceling a fair, because of war and travel conditions, and then trying to revive it on such short notice is not the easiest thing I have ever tried," said S. M. Mitchell, secretary of the Kansas State Fair. "But everything is working out better than I had ever dreamed it could when we decided to go ahead."

When the fair was canceled July 11, the premium list was about half completed, but Mr. Mitchell instructed the printers to stop production and tear down the type forms. Of course, it is impossible at this late date to have a new premium list printed, so Mr. Mitchell has decided to use the 1944 list as far as possible. Premiums and classes in all departments, except for beef and dairy cattle, will be exactly the same as last year. So those who saved last year's book need only an entry blank. This will be sent to all regular exhibitors without a special request being made. New exhibitors are asked to write for special information on the exhibit departments in which they are interested. They then will receive entry blanks.

Exhibitors of beef and dairy cattle will be interested to learn that in addition to the premium money listed in the 1944 book, 20 per cent will be added to all premiums in standard open classes if won by Kansas exhibitors. The classes in the beef department will be exactly the same as last year. But in the dairy cattle department, 2 new classes have been added; one for "Breeders' Young Herd" which will consist of 1 bull under 2 years; 2 heifers 4 months and under 1 year; 2 heifers 1 year old and under 2. All to be owned by the exhibitor except that District, Parish, Regional and Canton herds may compete against individual owners. Premiums on this class will be \$12-\$11-\$10-\$9 with 25 per cent being added if won by an individual Kansas exhibitor.

The other new class will be "Dairy Herd" and will consist of 4 cows 2 years old or over, all to be owned by the exhibitor. Premiums and the 25 per cent added money, if won by an individual Kansas exhibitor, will be the same as listed for the class "Breeders' Young Herd" and District Herds will be allowed to compete.

This year \$125 has been allocated to each district or parish herd instead of \$100, and a substantial amount will be set aside to be divided between herds on the basis of the mileage from the central point in the district to Hutchinson.

New Bang's disease rules will be in effect. Former exhibitors will be supplied with this information very soon, but new exhibitors should write to the secretary of the fair for this material.

"We are very much encouraged by the fine response we are receiving from farm machinery dealers and household equipment manufacturers," said Mr. Mitchell. "It looks as if the machinery show will far outclass those of the last 3 years, and we are looking forward to the receipt of many more applications for space when it becomes more generally known that our fair will be held."

The usual fine lineup of entertainment features have already been booked and other special features will probably be added to the program before opening day.

Hold Free Fair

The Kansas Free Fair, at Topeka, is going ahead with new plans now that ODT travel bans are off. No state-wide agricultural exhibits will be shown as it is too late to issue and distribute premium lists.

Only agricultural exhibits will be made by Shawnee county 4-H Clubs.

Farm machinery exhibits are expected to come near to prewar proportions, says Manager Maurice Jencks, as manufacturers write in for exhibit arrangements. Ford plans to have one of the largest displays, says Mr. Jencks. After several years of machinery shortages farmers will be eager to see what is to be offered, and to learn how soon deliveries of new models and types can be made. Manager Jencks indicates companies may promise delivery within a few weeks,

DON'T FEED YOUR CORN to the CROWS



Ears of corn that fail to get in the wagon box become food for rabbits and crows. You don't have to put up with this loss.

Noursite Picker Roll Compound is an especially prepared petroleum adhesive for use on the rollers of mechanical corn pickers. Sparing applications of this compound several times a day on both husking and picking rollers will enable your machine to do a better, cleaner job of picking and husking.

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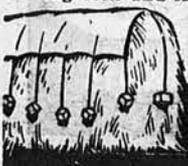
Build and fill a Sisalkraft Silo in a day — any size you need from 12 to 300 tons—where most convenient to use! Expand your silage feeding program this easy, low-cost way!

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FARM-PROVED — TIME-TESTED

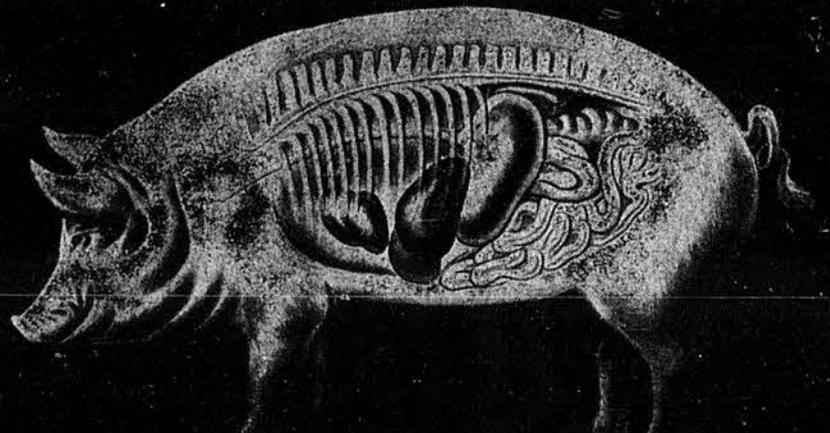
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PROTECT YOUR HAY WITH SISALKRAFT

SALT Free Choice SAVES PROTEIN



Here's Why High Feed Costs for Hogs May Be Due to Insufficient



On a dry matter basis, a growing pig is roughly 43 per cent protein. How efficiently hogs convert the expensive protein feeds into growth depends largely upon salt.

IN their natural state, hogs were largely carnivorous or meat-eating animals. They got the salt they needed for proper digestion and assimilation of feed from meat.

Today, however, hogs are fed more vegetable proteins. These feeds lack sufficient salt. As a result, hogs need extra salt, Free Choice*.

Salt Saves Feed

This was emphatically demonstrated at the Iowa State Experiment Station at Ames. Two identical groups of hogs were tested. Both were fed the same ration of corn and vegetable protein supplement. The only difference was salt. One group got it, Free Choice*, the other received no salt.

That Free Choice* salt saved 23 per cent of the entire feed ration. And the hogs were ready for market 60 days earlier.

Salt Helps Digest Protein

Salt is so important in hog nutrition—in all livestock feeding — because of the intimate relationship that exists between it and the digestion and assimilation of protein.

On a dry matter basis, roughly 43 per cent of the weight of a growing pig is protein. All meat is rich in protein. So

is milk. Wool, hair, feathers are practically pure protein. How efficiently your animals convert the expensive protein you feed into growth depends largely upon salt. Salt supplies the chloride for the hydrochloric acid without which proteins are not fully digested but wasted, and the whole fattening process slows down.

Salt the Most Essential of All Minerals

Salt also supplies the sodium needed in bile for the digestion of fats. It is important to blood, to nerves, to muscles. Salt has a stimulating effect upon reproduction. Practically every vital function in some way requires salt.

Feed Salt Free Choice*

Many farmers do not feed salt to hogs — only a few of them feed enough. Salt should be fed Free Choice* so that the animals themselves can take what they want and need.

Because the need for salt is a continuous one, while animals are eating and digesting their feed, salt should be available wherever hogs and other livestock gather.

For lower feeding costs, greater profits, and earlier, more timely marketing, establish salt stations around the farm and feed Morton's Salt, Free Choice*.

FREE Valuable Book on Feeding Salt

It will pay you to have a copy of this authoritative 32-page book, the most complete ever published on feeding salt to all livestock. Explains the importance of salt in the animal diet . . . how best to feed salt . . . gives plans for making salt boxes for FREE CHOICE* feeding. Mail your request to Morton Salt Company, 310 S. Michigan Avenue, Chicago 4, Illinois.



Cows Give More Milk **Beef Cattle are Thriftier** **Hogs Make Faster Gains**

Sheep Yield More Wool **Horses Work Harder**

MORTON'S SALT
CHICAGO 4, ILLINOIS

*Salt Free Choice means having salt before your animals all the time, so that they can eat as much or as little as they want.

The DE LAVAL MAGNETIC SPEEDWAY MILKER

FAST and UNIFORM MILKING Does It!

Just before milker was attached. Cow has been prepared according to De Laval Speedway Fast Milking Method. Note distention of udder indicating full milk "let-down."

Approximately 3 minutes later. Milker removed and De Laval fast, uniform milking has obtained the milk quickly and completely, saving time and labor and protecting udder health.

The graphic pictures above tell the story of fast, clean and complete milking results . . . obtained with the *fast* and *uniform* milking of the De Laval Magnetic Speedway Milker and the De Laval Speedway Method of Fast Milking.

Results . . . and years of experience *prove* that both *fast* and *uniform* milking are necessary to best milking results. Only the De Laval Magnetic Speedway Milker provides *both* these essential qualities.

And results . . . on thousands of farms are likewise proving the value of the De Laval Speedway Method of Fast Milking—proper preparation of the cow before milking and proper operation of the milker itself.

If fast, clean and complete milking is what you want . . . please talk with your local De Laval Dealer.

DE LAVAL STERLING MILKER

The De Laval Sterling Milker is particularly adapted for those to whom lower price is an important consideration. The Sterling Pulsator has only two moving parts, gives positive milking speed and action that pleases the cow. De Laval Sterling single or double units may also be used on any other make of single pipe line installation.

DE LAVAL SEPARATORS

De Laval Cream Separators skim cleaner, last longer, cost less per year of use and earn more. They produce highest quality cream and may easily be washed in a few minutes' time under ordinary farm conditions. Made in a wide variety of sizes and styles and at prices to meet every need and purse. Hand or motor drive.

THE DE LAVAL SEPARATOR COMPANY

NEW YORK 165 BROADWAY CHICAGO 427 RANDOLPH ST. SAN FRANCISCO 41 BEALE ST.

★ BUY MORE WAR BONDS and SAVINGS STAMPS ★

THIS TIME I'LL GET COLORADO

Never again will he consider a substitute. The war period has proved to him as it has to innumerable farmers that there is no substitute for a quality fence . . . a Colorado fence. Next time it will be Colorado!

The Colorado Fuel and Iron Corporation

MAKERS OF COLORADO FENCE GENERAL OFFICES, DENVER, COLORADO

Good Producers Picked Early

A METHOD of determining the future productive capacity of a dairy calf 4 months old has been worked out by the U. S. Department of Agriculture at its Beltsville, Md., station.

The method was developed thru regular periodic examinations of the mammary gland development in the udders of calves, beginning soon after birth and continuing to 18 months.

It was found that external appearance of the udder might be very deceptive. Some udders that seemed to be well developed had little glandular tissue. Others that appeared small had well-formed glandular tissue. Deposition of fat in the udder seems to be the chief factor that creates the deceptive appearance.

Glandular formations are studied by palpation and a numerical grade assigned, ranging from a low of 1 for the most retarded and a high of 9 for the most advanced development.

Results are encouraging since they indicate it may be possible to predict the relative producing capacity of dairy calves with a reasonable degree of accuracy. This would allow dairymen to cull potentially low producers at an early age.

The method of examining and grading calves is not difficult and requires little time. If proved successful after further work, the method of grading probably will be passed on to cow testers thruout the country.

For Scattered Farms

Farmers beyond the reach of possible REA or public utility power lines would be helped by an amendment now pending to include wind-driven, gasoline and Diesel electric generating systems in the REA financing program.

The proposed amendment would authorize REA to finance purchases by farmers of wind, gasoline and Diesel generating systems.

Those backing the amendment claim more than 1 million farms and ranches in 17 states west of the Mississippi river probably are too scattered to be reached by power lines.

Brome Grass Is Best

"Brome grass has a great future. I think it is the best pasture we can grow in this part of the country," said C. C. Coleman of Reno county. He continues, "I planted 4 acres of brome grass last September at the rate of 14 pounds of brome seed, 4 pounds of alfalfa, and 100 pounds of phosphate. I did not pasture until May. Then I turned 50 or 60 head of sheep and their lambs and 2 head of cows on the brome patch. I ran them there for 60 days and have had them there for about half the time ever since. I could have taken some seed off the patch, had I found time to harvest it. During July and August it is not good pasture because it is tough. In September it starts growing again and will be good pasture the rest of the year."

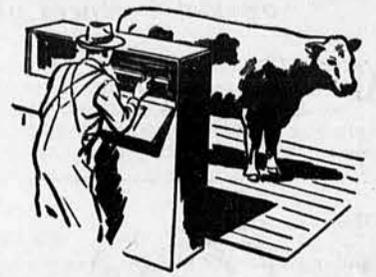
Pawnee Did Well

Reports from farmers in Dickinson county show that Pawnee wheat does make a good yield and has good test weights. Herman Brehm, of Hope, reports a yield of 37 bushels an acre on 25 acres, with a test weight of 63½ pounds to the bushel. His Tenmarq on the same type of ground yielded 17 bushels.

Irvin Hoover, Detroit, reports a 28-bushel yield on 19 acres of Pawnee, and a yield of 21 bushels to the acre from Red Chief on a similar field. Frank B. Delker, of Chapman, reports a 35-bushel yield with a 62-pound test weight.

Harry Gfeller, Chapman, reports a 46-bushel yield on 4½ acres from ground that was terraced and a crop of sweet clover had been plowed under the previous year. John Middleton, Abilene, reports a 40-bushel yield from ground previously in sweet clover and phosphate fertilizer had been applied.

A. T. Hoover and Sons, of Detroit, report a 30-bushel yield from 70 acres. Several of these farmers are planning to put their entire acreage to Pawnee this fall seeding, because it has proved itself both in yield and test weight to other varieties. It also shows definite resistance to Hessian fly.



WEIGHTS MUST BE EXACT

Way back in the "good old days" butchers threw in a piece of liver for the cat and handed out wieners to the children, while buyers and sellers of livestock frequently agreed on weights without the formality of using scales.

Today with the constant narrowing of margins, accuracy in weights is absolutely essential and scales from those large enough to weigh a load of hogs to those small enough to weigh a ham, have to be precise and dependable.

Scales used by Armour are made by leading manufacturers and are subject to regular periodic inspections by experts representing their manufacturers, or in many cases by State Agents, and if ever the results of a weighing of livestock are in doubt, it is possible to make a speedy and satisfying test of the scales.

The time is past when either the packer or the stockman can afford to be complacent regarding weights. In recognition of this fact, Armour's scales everywhere are under constant scrutiny and accuracy of weighing is assured.

Albany
President

ARMOUR and Company

Fight Stinking Smut of **WHEAT** with New Improved **CERESAN**

REG. U. S. PAT. OFF.

New Improved CERESAN generally controls stinking smut of wheat, also stripe and certain smuts of barley. New Improved CERESAN costs but few cents an acre. Treat early and store until ready to plant. Cut smut dockage. See your dealer or seed treader.

DU PONT SEMESAN CO. (Inc.)
Wilmington 98, Delaware



SEED DISINFECTANTS
A Treatment for Every Major Crop

Give as much as you can—as often as you can—to the **U.S.O.**

It's Little Things That Count

By MRS. HENRY FARNSWORTH

HAVING a system about doing any labor always brings about better results. Slipshod methods never get anyone very far along with anything. Especially is this true in poultry work where it's the little things that count in getting health and production.

Now that it is time to be getting the pullets that are ready to lay into their permanent winter houses, it is time to decide on the system of feeding that will be used thru the fall and winter months. In some sections of the state there will be plenty of home-grown grains, and these do help out half at least in feeding. We should use a good dry mash, whether it is made up of home-mixed ground grains, or a reliable brand of commercial mash.

It has been impossible most of the time to get all the ingredients necessary to make up a good mash, and consequently more people are using the reliable brands of ready-mixed feeds than ever before. These have given better results, because altho the feed companies have to substitute once in a while, they carry on experiments with different ingredients, and they know their feed will give good results. When the regular laying mash is used it can be supplemented with home-

grown grains, such as corn, wheat, oats, barley, rye, kafir or milo.

For the small poultry raiser the all-mash method of feeding may be the most convenient and give better results. Perhaps he may be irregular in his time of feeding due to his work. Under such circumstances the all-mash feeds are best. He may also use the balancer method of feeding by keeping the grains in hoppers before the flock all day, together with a regular laying mash. This gives the hens free choice in their eating. The farmer who has his grain will find using a concentrate feed, with which he mixes his home-grown grains, ground not too fine, about as economical a method as can be found. Most any system of feeding is satisfactory if the feeds are properly mixed with the correct amounts of different needed and digestible ingredients.

Regularity or system in feeding will have much to do with the success of any method. Incidentally the all-mash feed usually has 15 to 16 per cent protein; the regular laying mash 15 to 20 per cent; the grain balancer 20 to 26 per cent, and the concentrate 30 to 32 per cent. Plenty of insoluble grit, oyster shell and a never-dry water fountain or pail are other requisites for getting production. A comfortable laying house is a winter necessity, but this does not necessarily mean an expensive house. Make the house warm, dry and light for winter. A very open house can be made comfortable by piling corn fodder or baled grasses around the outside of the building.

May Become Restless

Pullets that have been outside on free range all summer may become restless from being so closely confined to their houses. Everything is strange and new to them, and they may become somewhat homesick, and if they are idle they will likely start picking feathers from each other. One thing leads to two, and they soon become like cannibals and start eating each other.

If you usually do have trouble with cannibalism, the safest bet is to put on each pullet one of the antipicking devices that are on the market. They are made to prevent birds from getting started to picking. Follow directions in attaching the particular kind you get. If they are put on at the time the pullets are housed, they will be getting accustomed to them at the same time they are getting used to their surroundings. Then when they do start laying there need be nothing to cause them to quit. Of course, if you can't get the antipick guards you can cut off the beaks of some of the worst pickers, which is not a very pleasant task for either yourself or the pullet.

And you can scatter grain in the litter to keep the pullets busy and give them needed exercise. And you can feed rather heavily on fresh greens if you have them available. In mild cases before the picking becomes a habit these simple things may work. If you



Mrs. Farnsworth

Don't let winter mud bog down food production!



Pave your barnyard *now* with **CONCRETE**

Now is the time to get ready for winter and spring by building a concrete pavement in your barnyard or feed lot. Such work cannot be done when the ground is deep in mud. Planned and built now, it will begin at once to help you save feed and manure, reduce labor, increase beef, pork and dairy production.

Construction is simple. The portland cement, sand and gravel or crushed stone required are usually available locally. If you need help, get in touch with your concrete contractor or building material dealer.

As part of its wartime service to farmers, this Association will gladly send free instructions on how to build concrete farm pavements. Just paste coupon on penny postcard.

PORTLAND CEMENT ASSOCIATION

Dept. C9a-2, Columbia Bank Bldg., Kansas City 6, Mo.

I am interested in paving my feed lot or barnyard before winter. Please send free instructions for building concrete pavement with minimum use of critical materials.

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For Home and Farm

Reliable information is given in each of the following Kansas State College Extension Service publications. If interested in any of them, please address post card to Bulletin Service, Kansas Farmer, Topeka, and your order will receive prompt attention.

- No. B82—The Septic Tank System for Home Sewage Disposal.
- No. B87—Feed Grinding With Small Electric Motors.
- No. C130—Good Foods Are Health Builders.
- No. C153—Planning Farm Business and Family Living.
- No. C171—Kansas Poultry Cottage.
- Miscellaneous—When You Use a Water Bath Canner.
- Miscellaneous—Preservation by Brining.

Suggest sending your order early as supply is limited in some instances.

can turn the pullets out on range for a few hours in the afternoon there likely will not be any trouble from cannibalism. Their health is usually better, too, which after all is the most important item in poultry raising.

When arranging the house for the new crop of pullets it is best to put fountains and mash hoppers in as easily accessible places as possible. If they fail to find these things readily they will become restless.

Again a Winner

The fourth girl in Kansas 4-H Club history to receive the Danforth Leadership Training Scholarship award, Vada Walsten, of Reno county, attended the 2-weeks training school held this summer at Camp Miniwanca, Michigan. She is a daughter of Mr. and Mrs. Frank Walsten, of near Hutchinson.

Miss Walsten is president of Obee 4-H Club, and superintendent in charge of booths at the 4-H fair this year. She was selected the outstanding 4-H girl in the county last year, and was awarded a trip to the American Royal Livestock Exposition.

At the 1944 Kansas State Fair,

Learn to Sew?

Homemakers will want to have a copy of the late bulletin, "Making a Dress at Home," No. FB 1954, issued by the Home Economics Department of the U. S. D. A. There are 24 pages with many illustrations, giving detailed instructions on the subject for the beginner in sewing as well as those more advanced. The Farm Service Editor, Kansas Farmer, Topeka., will be glad to give prompt attention to all orders received. Price of bulletin, 10c.

Miss Walsten exhibited the grand champion junior calf, the grand champion ewe lamb, and received a blue ribbon for her home improvement work.

Currently, she is taking rural electrification and is enrolled in 11 projects. She assisted in organizing 2 new 4-H units.



Quick Help
When These Worms Hold Back Your Flock

Remove Large Roundworms and Cecal Worms with Dr. Salsbury's AVI-TON
Just Mix it in the Mash

Convenient, Labor-Saving Flock Treatment

You lose profits when birds in your flock are heavily infested with large roundworms or cecal (pin) worms. Such birds don't lay well, waste feed. You can help these birds easily, conveniently. Just give them Dr. Salsbury's Avi-Ton in wet or dry mash. Avi-Ton is easy on the birds. You'll feel safer, more secure if you give your flock Avi-Ton as soon as you suspect large roundworms or cecal (pin) worms are holding back laying.

Avi-Ton contains recognized drugs, including phenothiazine. Thousands of poultry raisers praise its convenience; its safe, sure action. Avi-Ton is low in cost, too.

Guard against heavy infestations which throw your birds off laying, reduce your profits. Get genuine Dr. Salsbury's Avi-Ton at hatcheries, drug, feed and other stores, now. Early treatment pays more—in eggs and profits to you.

DR. SALSBUARY'S LABORATORIES, Charles City, Iowa
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Whenever your flock needs help, ask for "Dr. Salsbury's" . . . a complete line of poultry medicines, fumigants, disinfectants, vaccines and bacterins.

For Individual Treatment: give Dr. Salsbury's Rota-Caps, the only treatment containing Rotamine. Removes large roundworms and intestinal capillaria worms. Easy on the birds. Preferred by poultry raisers, 5 to 1.

Buy at Dealers Displaying This Service Emblem



Two-Fold DRINKING WATER MEDICINE

Convenient, Easy Way to Give Your Flock TONIC BENEFITS

So easy to give your flock Ren-O-Sal's tonic benefits. Just two tablets per gallon; stir briskly. Poultry raisers praise this remarkable new treatment; used so successfully this spring against cecal coccidiosis and as a tonic. Safe in any water.

Dr. Salsbury's

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"GOOD FENCES Have Helped Keep Our Farm Yields High"



J. W. DWYER
Iowa City, Iowa

"Every field on my 327 acre farm is fenced hog tight, and I've practiced strict crop, legume and livestock rotation for many years. The result has been consistently high yields. And the farm now feeds 500 beef cattle, 600 hogs and 1200 sheep per year. This would be impossible without the 8 miles of woven wire fence on the farm. I have found that hog-tight fence is cheapest in the long run.

"RED BRAND Stands Up Longer"
"Red Brand fence has firmer stays, is wrapped tighter and stands up longer than any other fence I have ever used. That's why I have mostly Red Brand fence on my farm."

Present Keystone fence, though not trademarked Red Brand, is tops in quality.

KEYSTONE STEEL & WIRE CO.
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RED BRAND FENCE — RED TOP STEEL POSTS —

Save This Magazine

and all your other magazines, newspapers, grocery bags, and cartons. Turn them in as Waste Paper.

It It Needed!

Neighborhood Beef Program

(Continued from Page 1)

Christmas, with most of the cattle marketed by October 15.

If this fall is dry and no corn crop is harvested, the Hubers will feed protein on dry grass, plus silage and whatever dry feed is available.

McMullen Brothers handle about 170 steers a year. Their cattle are wintered in lots and get 25 pounds of sorgo silage until December 1. Then alfalfa hay and prairie hay, 6 pounds of each, are fed, plus 2 pounds of cake.

This winter they will have plenty of alfalfa so probably will feed only 1 pound of cake. Starting the last of February or first of March, the McMullen cattle get 2 to 3 pounds of corncob meal a day until they go on grass.

Do a Little Experimenting

As an experiment this year, 2 loads of cattle are being fed 2 1/2 pounds of molasses, 2 pounds of cake, and 9 pounds of corncob meal a day on grass. During normal years corncob meal consumption is gradually increased to 14 pounds a day before the grass gives out. Wheat pasture is utilized whenever possible, as are stalk fields.

Dan Kraft handles about 150 head a year. He winters in lots and sells part off grass the next fall. This year he will finish 3 loads in the lots and sell 3 off grass.

For a finish feed of from 60 to 90 days before marketing he gives up to 20 or 25 pounds of ground ear corn a day, 2 pounds of molasses and 2 pounds of cake. Prairie hay and silage are fed from the middle of January.

Mr. Kraft also buys some cattle weighing 1,000 to 1,100 pounds in August and grazes and cakes until grass is gone. He then full-feeds to market around Thanksgiving. Like other cattlemen in this area, he uses up his dry roughage thru the first part of winter and tries for winter gains of 150 pounds.

Charles Knapp handles from 150 to 200 head a year. Last fall he bought his cattle the middle of September. He started bundle feeding the middle of November and continued until January 1.

He then fed silage and bundles or

prairie hay, whichever was available. He had no alfalfa last year so fed 2 pounds of soybean meal daily. Mr. Knapp prefers this to cake thru the winter as it mixes with the feed and cattle don't get more than their share.

This feed was continued until cattle went to grass this spring. He starts feeding about September 1 for finish and full-feeds about 60 days, depending on conditions each year. His finish feed consists of 10 pounds of ground cob meal the first 2 weeks, increased gradually until cattle get all they'll eat, 2 pounds of cake, no molasses or alfalfa.

Chance to Use Roughage

We asked Frank Birk, who handles about 180 head of steers a year, why farmers in that area followed this particular program. "There are several reasons," he answered.

"We can't feed heavy enough here to properly finish younger cattle. Cow herds take more care than we give our cattle, and keep capital tied up longer, altho they take less capital to start. Our program gives us a chance to put on about 400 pounds of gain in a 10- to 12-month period, utilizing all the roughage we can grow. It is flexible enough to be changed from year to year to meet our crop and pasture conditions."

Right now cattlemen in this group are planning to buy a spray outfit that will serve both for grub and fly control. They believe it will be a big boost to their beef production.

Likes Pawnee Wheat

Dear Editor: This is to thank you for the marked copy of the Kansas Farmer of August 4, which carries a statement on Pawnee wheat, made by me to Dick Mann, when he was in Sumner county early in the summer.

Professor R. J. Throckmorton, of Kansas State College, assured me at the time Pawnee wheat was introduced, that it would soon replace Tenmarq wheat and many other varieties, which were being grown in this state. Being just a bit conservative, I thought we could tell more about the new wheat after it had been grown on the farms for a while.

We have now grown Pawnee wheat 2 years and are now convinced that most of the claims made for it are justified. It has yielded well, its growth and field habits are good, it has been resistant to most of the diseases which bother our wheat in this area, and it is acceptable to the milling and baking trade. And that, all taken together, makes a very good record for any wheat. And so I think most of our seeding this fall will be with Pawnee wheat.—T. Max Reitz, Sumner county.

Quick Shoe Repair

A blacksmith at Coshocton, Ohio, Charles H. Chism, has learned the art of building up worn horseshoes by electric welding without removing and replacing the shoes on the horses' hoofs.

Believed to be the first to perfect such an idea, Mr. Chism says he can rebuild the toe and caulk of a horseshoe at least twice before it is worn-out and that the welding does not heat the shoe as much as during the original shoeing process.

A light-coated, high-carbon electrode of 1/8-inch diameter, especially designed to resist shock and abrasion,



"Run along. Your caps won't fit this one."

is used for these horseshoe resurfacing jobs. The horse's hoof is cooled by pouring on water.

If a horse is high-spirited and scared of the arc flash, a blanket held over its head will result in the horse standing quietly, says the expert.

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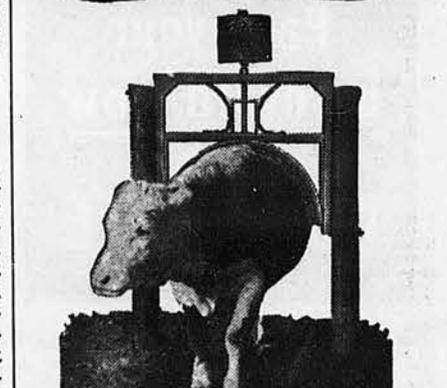
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Double Safeguard against Hog Cholera

Hog cholera hits its peak between August and November. It is on the increase now, and many farmers will lose some or all of their hogs. Luckily this scourge can be prevented!

Lederle's two-fold vaccination with serum and virus produces very active immunity against hog cholera. Usually, immunity for life.

Lederle's Anti-Hog Cholera Serum and Virus are prepared according to strict government

standards at Lederle's St. Joseph, Mo. plant, one of the largest and most modern of its kind in the world.

Healthy hogs of any age can be immunized successfully with Lederle's Anti-Hog Cholera Serum and Virus. Just before or after weaning, however, is the preferred time.

Vaccination now with Lederle's Hog Cholera Products saves losses and increases hog profits.

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Griffith's Silver Mating Chicks Immediate-future delivery. Bred 25 years to make extra profitable layers. Quick maturing fryers. Postpaid with cash. \$1.00 per 100 deposit, balance COD plus postage. \$11.45 per 100. Banded White Rocks, Reds, Wyandottes, Orpingtons, Austral Whites, Leg-Rox. Free Catalog. Griffith's Hatchery, Box 612, Fulton, Missouri.

Limited Time—FOB, husky, vigorous, blood-tested chicks, excellent layers. White, Buff, Brown Leghorns \$9.80. Pullets, \$16.90. 4 Weeks Started White Leghorn Pullets, \$26.95. Rocks, Reds, Orpingtons, Wyandottes, \$8.95; pullets, \$12.90. Heavy assorted, \$7.95. Surplus cockerels, \$4.95. Free Calendar-Catalog, terms, guarantees. Bush Hatchery, Clinton, Mo.

Colonial Fall Chicks. As world's largest producers. Colonial saves you money on topmost quality. Purebreds, Hybrids. U. S. Approved. Pullorum tested. Catalog Free. Colonial Poultry Farms, Wichita, Kansas.

Broiler Chicks hatching daily. Fastest growing, high livability Heavy Crosses, Rocks, New Hampshires, Leg-Hamps, Austra-Whites. We need more high-quality hatching eggs this fall and winter. Pioneer Hatchery, Boone, Iowa.

Sparrow Trap that does the work. A customer writes, "A few weeks ago I sent for your sparrow trap plans, made one and it works fine." They are easy to build. Send 10c for plans. Sparrowman, 1715A Lane, Topeka, Kansas.

HATCHING EGGS
Hatching Eggs Wanted the year round from bloodtested flocks. State breed and quantity. Attractive premium. Bankston Hatchery, 6060 1/2 S. Western, Los Angeles 44, Calif.

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

Build your own fast freezer with our detailed plans. Conserve perishables. Plans easy to follow; saves up to 75%. Use new or old parts; operates on 32 or 110 volts. \$1.00 brings complete plans for 8 to 40 cu. ft. sizes and catalog. LeJay Mfg., 931 LeJay Bldg., Minneapolis, Minn.

New 1,000-watt farm electric plant complete. Will sell at a big savings. This customer got on high-line and has no use for this plant. Will give all details and price if interested. Write Box 253, Kansas City, Mo.

Outstanding Offer in Finest Farm Light Batteries. Write Jumbo Mfg. Co., Spencer, Iowa.

MACHINERY AND PARTS OIL FILTERS
Filtered Crankcase Oil is Never Clean Oil. But, 10 years' constant service prove Reclamo the Heated Oil Filter-Refiner's superiority over all oil filters, its sole ability to maintain Clean oil in tractor-car engines indefinitely, resulting in utmost economy-efficiency. Demand is tremendous; order now. Avoid possible delay. Reclamo comes complete for any installation. Reclamo filtering material is superior for any filter. See your dealer or write RECLAMO SALES CO., ELGIN, NEBR.

NEW AND USED TRACTOR PARTS
Write for big, free 1945 catalogue; tremendous savings. Satisfaction guaranteed. Central Tractor Wrecking Co., Des Moines, 3, Iowa (formerly Boone, Iowa).

New Automatic Post Hole Digger, with own power lift, guarantee satisfactory digging in sand, fits all makes tractors, just set gauge for depth hole desired, digger does the rest. Some deliveries can be made now if ordered promptly. Continental Farm Machine Co., Dept. 10, 451 Wilson Northeast, Minneapolis 13, Minn.

Sprocket Chain and Cable for corn elevators. Catalog free. Hudson Machinery Co., Decatur, Illinois.

Elevators for Grain, Ear Corn and Baled Hay, steel, new. John Foltrichs, Auburn, Nebr.

Elevators for Grain, Ear Corn and Baled Hay, steel, new. Chester Bargen, Nelson, Nebr.

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

MACHINERY WANTED
Wanted to Buy: 2 Way hang on plow for D. C. Case tractor. Lester Frick, Teacott, Kansas.

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

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. 439, Pleasant Hill, Ohio.

DOGS—HUNTING—TRAPPING
English Shepherd; Puppies. Breeder for 22 years. Shipped on approval. 10c for pictures and description. H. W. Chestnut, Chanute, Kan.

Hundred Hunting Hounds Cheap. Catalogue. Elton Beck, 8-43, Herrick, Illinois.

Wanted—Fox Terrier Puppies. Box 261, Stafford, Kansas.

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

RABBITS AND PIGEONS
Raise Chin-Chin, the big money-making rabbit. Big demand. Small investment. Ideal business for anybody. Anywhere. Willow Farm, R44, Sellersville, Penna.

BUSINESS OPPORTUNITIES
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.

Cigars to Smokers 50 in box, 12c cigars for 9c; 15c for 11c; 16c for 13c; direct from factory. Diaz, Box 5032, Tampa, Fla.

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

We want broilers, springs. Coops loaned free. The Copes, Topeka.

WANTED—MISCELLANEOUS
Wanted: Walnut, marble-top table, oval walnut picture frames, old dolls. Mrs. Bruce Brougher, Wakefield, Kansas.

WANTED—TO BUY
Popcorn, Alfalfa Seed, Sweet Clover, Brome Grass. Hayes Seed House, Topeka, Kansas.

EDUCATIONAL
High School at home in shortest time. Prepare you for college, professions, personal advancement. Diploma awarded. Write for free catalog. Academy for Adults, Dept. T. 30 W. Washington, Chicago.

AUCTION SCHOOLS
Learn Auctioneering. Free catalog. Write. Reisch Auction School, Mason City, Iowa.

REMEDIES—TREATMENTS
Free Book—Piles, Fistula, Colon-Stomach. Associated conditions. Latest methods. Thornton & Minor Clinic, Suite C906, Kansas City, Mo.

SERVICES OFFERED SEPTIC TANKS
We clean cesspools and septic tanks. Also build and repair them. Lay laterals. Clean outside vaults. C. McCLAIN, 929 Sherman, Topeka, Kansas, Phone 4214.

OF INTEREST TO WOMEN
Make up to \$25-\$35 week as a trained practical nurse! Learn quickly at home. Booklet free. Chicago School of Nursing, Dept. F-9, Chicago.

400 Lovely Print Percal Quilt pieces \$1.00 postpaid! 1,000-\$1.98; 100-25c. Free Patterns! Woods Remnants, Bedford, Penna.

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

FEATHERS WANTED
Uncle Sam Urgently Needs Feathers for Army Hospital pillows, sleeping bags, etc. Top ceiling prices. White and colored geese—\$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.

FARMS—KANSAS
280 Acres on Atchison-Brown county line, adjoining State Lake; 50 pasture, balance corn, wheat, red clover, lespedeza; good large house and barn; REA by house; gravel road, mail route, 4 1/2 miles Horton; price \$25,000. Or, 320-acre well-balanced Chase county stock farm; 85 creek bottom in cultivation; 25 alfalfa, brome; 20 meadow; 175 bluestem pasture, balance creek and farmstead; good water, 4 miles Cottonwood Falls; good gravel road, city, grade, and county High School bus by door; rural school and mail. REA; fair house, barn; new tile 20 by 52 chicken house, garage, new cattle shed. Price \$55 an acre. Geo. Gammell, R. R. Cottonwood Falls, Kansas.

For Sale: 820—220 grass, fine pasture, well-fenced; 62 alfalfa, good stand; balance corn and feed; one third corn and feed goes with farm. Fair improvements. Everlasting water. Box 565, Wakeeney, Kansas.

80 Acres on creek, 6 miles from Emporia. 5-room bungalow, good barn, electricity, good road. \$6,000. T. B. Godsey, Emporia, Kansas.

FARMS—MISCELLANEOUS
Irrigated Land—Eastern Colorado. Splendid farming opportunities. Write John T. Stinson, Director Agricultural Development, Missouri Pacific Railroad, St. Louis 3, Mo.

FILMS AND PRINTS
Finerfotos cost you No More—Lowest Prices—Developing, printing, enlarging. Prompt Service. Handy matters and list of special offers, free on request. Finerfotos, Drawer U898, Minneapolis, Minn.

Century Delivers Work and Service that can't be beat. 8-Exp. roll 25c with two professional enlargements. Free. Century Photo Service, La-Crosse, Wis.

Photo Reprints 3c each. No order too large. Minimum order 25c. Fred V. Eastman, Bode, Iowa.

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	\$17.50	\$17.65	\$17.50
Hogs	14.50	14.50	14.50
Lambs	13.85	14.25	14.50
Hens, 4 to 5 lbs.	.26	.26	.23
Eggs, Standards	.38	.37	.34 1/2
Butterfat, No. 1	.46	.46	.46
Wheat, No. 2, Hard	1.74 1/2	1.71 1/2	1.56 1/2
Corn, No. 2, Yellow	1.16 1/2	1.15 1/2	
Oats, No. 2, White	.61	.72	.77
Barley, No. 2	1.02	1.18	1.10
Alfalfa, No. 1	23.50	24.00	24.00
Prairie, No. 1	14.00	18.00	18.00

K. W. PHILIPS, progressive Holstein cattle breeder of Manhattan, has written me a very short but interesting letter. Among other things he says, "The advertisement I ran a few months ago sold all of our serviceable-age bulls but one." He also mentions having sold his bulls from all but his best-producing cows on the Kansas City market. A lot of progress has been made in the way of increased production in the Philips herd. Keeping only bulls from cows with 400 pounds and more of fat, and discarding those of smaller production should be the policy of more breeders.

AUCTIONEERS

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.

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

GUS D. HEIDEBRECHT
GENERAL AUCTIONEER
Specializing in purebred livestock sales.
INMAN, KANSAS. TELEPHONE 1206

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

Frank C. Mills, Auctioneer
Alden, Kansas

O'BRYAN RANCH Hampshire bred-gilt sale, at the American Royal pavilion in Kansas City, the evening of August 8, was well attended and a large number of breeders and farmers who attended the 2-day Hampshire Spotlight Show and Sale and Type Conference at Stanley, Kan., remained for this event. The offering of more than 40 head averaged \$150. Breeders bought several but farmers from Kansas and Missouri purchased many of the packer-type bred gilts. Bert Powell and G. Shaw were the auctioneers.

Hartman-Type Poland China Production Sale
On farm 14 miles south of Abilene, Kansas, on K-15 then 1/4-mile west.
Tuesday, September 11
40 HEAD
The results of 45 years of careful effort.
20 Boars—20 Gilts
Sired by Golden Chief by (Chief of Staff), his dam (1942 Nebraska Grand Champion).
Some pigs by General Ike, son of Elmo Valley Belgian. Ike's dam is a 900-lb. sow with the quality of the old-time Perfections. Dams of offering come from perfected line-bred descendants of the world champion, Broad Cloth. Guaranteed feeding quality, big enough and smooth enough. Immuned and selling in correct flesh for breeding results. For catalog write
J. J. HARTMAN & SON, Owners
Elmo (Dickinson Co.) Kansas
Auctioneers: Ben Stewart and Ben Shank, Jesse R. Johnson with Kansas Farmer.

MILLER'S ANNUAL DUROC PRODUCTION SALE
In our new sale pavilion on farm 11 miles south of Alma on all-weather road.
Saturday, October 6
50 OF THE BEST BOARS
we have ever offered in an auction.
20 SIRED by Kant-Be-Beat. 20 SIRED by Orion Compact.
10 SIRED by Golden Fancy.
10 GILTS, good enough in every way for herd sow foundations. 80 per cent of the offering carries the blood of old Golden Fancy. Everything Double-Immuned. For catalog write
Bert Powell, Auctioneer
Jesse R. Johnson, Fieldman
CLARENCE MILLER, Owner, Alma, Kansas

Don't Forget Verne Gimple's Dispersion Sale of Quality Aberdeen Angus at Mankato Sale Barn, September 4.
Complete Farm Sale at Hiram Faidley Farm Burr Oak, Kansas, September 10
Hiram Faidley Farm—388 acres for sale exclusively by owner.

Try Our Real "Packer-Type" HAMPSHIRE
Now offering spring boars and spring gilts. We can furnish pairs or trios unrelated. They are registered, vaccinated and crated. Write or pay us a visit.
O'BRYAN RANCH, HIATTVILLE, KAN.

W. R. Huston's Last and Final Duroc Hog Sale, Saturday, September 29, 1945, Americus, Kan., Lyon Co.



A year ago we had a dispersion sale of our Durocs. After we rested a few weeks we felt improved physically and thought we were able and would buy a few good bred females from America's best breeders, which were all bred to "Seeo Low Down" boars. But we soon wanted a larger herd of Durocs, so before we quit buying we had bought over 40 head of our own best breeding from old customers.

From the best of these we saved 270 pigs, having raised the best lot of short-legged pigs we ever had on the farm. Since I have found out definitely this summer I cannot go on and do the job, I am going to quit and no maybe about it either. Some things are like taxes and death—there is no sidestepping in them. So from the tops of these we are making our last and final sale, Saturday, September 29, 1945, promptly at 1:00 o'clock at the farm 3 miles south of Bushong, Kansas, on North 50 highway; midway between Council Grove, Kan., on North 50 highway, and Emporia, Kan., on South 50 Highway, 6 1/2 miles east of Dunlap, Kansas.

125 head, Registered Durocs, all vaccinated with serum and virus by Registered Veterinarian. 25 bred sows and gilts, and sows with litters at side. 100 March and April open gilts and outstanding herd boar prospects. Anything one would want in breeding stock. Lots of entirely new breeding for old customers. This will be the greatest opportunity in the U. S. to buy outstanding fancy, open gilts in large numbers, or boars that will make improvement in any purebred herd, or high-class boars for farmers.

We have given them the very best within us—pains-taking care to insure their future usefulness for their new owners. We are trying to present our last and final offering in a manner that will make all regret that we had to quit as a breeder. We are sure we have done the breed a real service in breeding and saving outcross blood for the so-called big breeders herds. One old, big firm wrote me recently that the best producing sow they now own or ever owned came from here, and they sell their Durocs in the high brackets of prices.

Pioneer 40257 is a boar we spent a lot of time finding; he was used here some years and is directly responsible for the highest selling outcross we now have in the Duroc breed. Another good example of our ability as a breeder—we bred and raised "Kant Be Beat" 189697 which sold in our last fall sale for \$700. \$7,000 would not have been too much to have paid for him, as 25 gilts bred to him by new owner sold at auction for \$228 average. There is some "Kant Be Beat" blood intermingled thru this offering.

Many prospective buyers who want to make purchases in this sale but will find it impossible to be present—to them is afforded the pains-taking, conscientious judgment of Jesse R. Johnson, of Kansas Farmer, Bert Powell, auctioneer, of the Missouri Ruralist, and also C. O. Highland, auctioneer. Send bids to them to Americus, Kansas, in plenty of time, as mails are slow. You can give either of them so complete and definite instructions that they can buy for you most satisfactorily. In sending bids make your limit in price high enough to insure them getting a good animal as if you were here yourself.

Any purchases they make must be absolutely satisfactory to you or no sale. I personally guarantee all purchases made by any of these reliable men. Be sure to be here sale day if possible, as no doubt many animals will sell much below their worth in so large a sale. Don't forget that gas rationing is off so you will be able to drive to this sale.

Trains will be met at Americus, Emporia, or Council Grove, Kansas. Call us by telephone at our expense when you arrive at any of these towns. All persons will be returned to trains after the sale, free of charge. Animals will be carefully cared for a reasonable length of time when necessary after the sale, free of charge.

A well-known financial authority gives out this up-to-the-minute information which its clients pay for. "Hog production fortunately is at a conservative level, compared to probable demand. The uncertain corn prospect has already caused heavy marketing of 'piggy' sows from some areas. Continue with a full though normal hog program for your farm."

Lunch will be served by the Missionary society of the U. P. church. We know it will profit you as a fellow-farmer. W. R. HUSTON, Americus, Kan.

Tired and in poor health, W. R. Huston, one of the oldest continuous Duroc breeders in the country, held a dispersion sale a year ago. But after a short rest his health returned, there was still a big demand for more pork production and with his old-time energy, another herd was established. His years of contact with the best herds in other states and the knowledge of where his best breeding families from his herd could be found, made it easy to buy intelligently. His determination to continue another year has been carried out. And because of it the Duroc population, although lower than it should be, has been increased by several hundred head and many tons of pork.

Jesse R. Johnson.

IN THE FIELD



Jesse R. Johnson
Livestock Editor
Topeka, Kansas

LESLIE & LESLIE, Milking Shorthorn breeders at Goff, report heavy inquiry for breeding stock. This firm has made substantial progress in bringing the herd up to a high standard of perfection considering its size. They now have 12 head that are classified "Good Plus" and 3 that are "Very Good." Eighteen out of 20 in milk have Register of Merit records.

Some folks are wondering about the future of the purebred livestock business. Others have unlimited faith in the future. Among the Duroc breeders of Kansas who have faith in livestock farming is CLARENCE MILLER, of Alma. He breeds Durocs and has been a leader in supplying acceptable-type breeding stock to increase the number of more and better hogs in his state. But he also has sent more high-priced boars to Iowa than any other breeder of any other breed in this state. Mr. Miller was one of the judges at the regional Duroc show and gilt sale held in Minnesota recently. Mr. Miller is building a big comfortable sale pavilion on his farm to be used for his annual fall and winter sales.

J. J. HARTMAN, of Elmo, in Dickinson county, is one of the oldest continuous Poland China breeders in the entire country. His son, Conrad, now in the Service, has been his partner ever since he was a small boy. The Hartmans are among the Poland China breeders who have succeeded in maintaining the size without going back to the small-litter kind that all but destroyed the breed a decade ago. This has been accomplished by selecting the best type in the various litters from year to year, and without using any extreme type either for size or quality. Sows have been produced on the farm that would weigh close to 900 pounds if highly conditioned, without losing that good feeding quality so necessary for profit. The Hartman herd has been in existence for nearly 45 years.

Dual-Purpose CATTLE



EMRICKS' MILKING SHORTHORN REDUCTION SALE

2 1/2 miles west, 1 1/4 south of Pritchett
Thursday, September 27

37 Head carrying the breeding of such sires as Meadow Star, Red Defender, Village Bates, Full Fall General, etc.

15 Head bred, many near calving, to the service of Barbara's Spangled Banner.

10 Heifers sell open—some calves. Herd established 21 years. Selling without fitting. For catalog write

A. E. EMRICK & SONS
Pritchett, (Baca Co.) Colo.
Auctioneer—Harold Tonn, Jesse R. Johnson with Kansas Farmer.

MILKING SHORTHORN DISPERSAL

(Private Sale)
12 HEAD—1 yearling bull, balance cows, bred and open heifers and calves. Mostly sired by a high-record Canadian bull. Nice reds and roans. Tb. and abortion tested. Special price for the entire lot.

J. P. MALONE, LYONS, KANSAS
Farm on highway, 2 miles west of Lyons.

Retnuh Farm Milking Shorthorns

We have a classified and tested herd with individual cow records up to 500 lbs. butterfat. Our records in the state and district shows speak for themselves. Top quality stock for sale.

JOE HUNTER, GENESIO, KANSAS
Farm 2 1/2 miles east and 3 1/2 south.

Dually Milking Shorthorns

Bull calves, including one of serviceable age, for sale. Bulls from Dually now head some of most noted Eastern herds. Home of two National Champion cows—each the product of several generations of Dually breeding.

JOHN B. GAGE, EUDORA, KAN.

ELDORA MILKING SHORTHORN FARM

Home of cattle with production and quality. Tb. and Bang's clean. Bulls, young cows and heifers for sale.

GARY BROWN & SONS
Route 3 Great Bend, Kan.

LOCUST DELL FARM

Milking Shorthorn herd bull for sale, full R. M. pedigree; also young bulls up to yearlings. Can also spare some young cows.

W. S. MISCHLER & SON
Bloomington (Osborne Co.) Kansas.

MILKING SHORTHORNS

roan, polled, March 11, '45 bull calf, 9 RMs in pedigree. Dam classified Very Good and has CCT RM with 1st calf of \$228.49 lbs. of., average test of 4.4%. Price \$200. Leslie & Leslie, Goff, Ks.

HOGS

BERGSTENS' Correct-Type HAMPSHIRE

Hampshire-bred gilts and spring boars. Choice quality, thick, short-legged type. Popular bloodlines. Prices reasonable.

R. E. BERGSTEN & SONS
Randolph Kansas

ETHYLEDALE FARM PRODUCTION HAMPSHIRE

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.

HOGS

LAST CALL Haag's Hereford Hog Sale

IRELAND'S SALE PAVILION
Holton, Ks., Tues. Sept. 4

75 Head (Introducing this great breed here). 35 Bred Sows and Gilts. 20 Open Gilts. 20 Strictly Top Boars.

Featuring the blood of Prince Domino 6th, Royal Booster, Chief Wonder, etc. Immuned and growthy pigs, excellent type and quality. For catalog write

MILTON HAAG, Owner
Holton, Kansas.
Auctioneers: Powell and Ireland.
Fieldman, Jesse R. Johnson

HEREFORD HOGS Expressed C. O. D. approval. High-winning herd National show. Bred gilts. Boars. Unrelated pigs. Circular.

YALEHURST FARMS, PEORIA, ILL.

POLAND CHINA HERD REDUCTION

Due to poor health I am obliged to reduce size of my Poland China herd. I will sell part or all of my proven herd sows; also my herd boar, a son of Nation-Wide. Bred and open gilts and spring boars. Write or come and see them.

ROY ROEDIGER, LONGFORD, KAN.

O'Hara's Poland Chinas

Bred sows, gilts with litters, spring boars and gilts. Modern type. Choice breeding.

RAYMOND O'HARA, Jewell, Kansas.

POLAND BRED GILTS

Bred for early Sept. farrow to Chief of Supremacy, the topson of Chief of Staff 1944. Double immune. Priced reasonable. Malone Bros., Raymond, Kan.

FANCY SPRING BOARS

sired by "Keepsake's Pride." Plenty of unrelated spring boars and gilts. Also bred gilts. All hogs are double immune. Visit or write for prices.

H. E. HOLLIDAY & SON, R. 2, Topeka, Kansas

SPOTTED POLAND CHINA BOARS

Spring farrow, grandsons of Silver Ace. Summer pigs by Silver Row Flash, full brother to the \$30 Silver Row. They are good and we will prove it at the Dodge City Fair, Sept. 3-5. Dale Konkel & Sons, Haviland, Kan.

Weanlings & Bred Gilts

Ped., heavy, blocky type. PETERSON & SONS
Ph. 1109, Osage City, Kan.

REGISTERED DUROCS

Spring boars and gilts, sired by Andale Orion and Gold Star's Lad. Top breeding. Medium type, deep bodied, good hams. Cholera immune. Can furnish unrelated trios, 4 miles south and 1 mile west of Andale. Inquire of

GEORGE J. WETTA, ANDALE, KAN.
Delnorh Stock Farm, Phone 2341.

CHOICE YOUNG DUROC SOWS

Limited number. Bred for September and October farrow to top boars. Two outstanding herd boars, crate broke. Spring boars, top breeding and quality. None better. Write

G. M. SHEPHERD, LYONS, KAN.

ZIMM'S SELECT DUROCS

No more bred gilts at this time. Some of the best Duroc boars yet to be sold are to be found in my herd. Send an order or better yet come and inspect the herd for yourself.

Robert L. Zimmerman, 4 ml. N. Alta Vista, Kan.

Alexander's Correct-Type Durocs

Son of LO DOWN LEADER for sale. Also choice, selected Spring Boars by Orion Compact, and Golden Fancy. One extra choice litter by Juhl Bros.' \$850 boar, Lo Down Leader.

FRANK ALEXANDER, CORNING, KAN.

Attention! Stop! Look! Listen!

September 29, 1945, is the date of the last and final Dispersion Sale of Duroc Hogs. If you are not here sale day we both lose. For catalog address

W. R. HUSTON, Americus, Kansas.

DUROC BRED GILTS

Sired by Improved Ace. Bred to top boar for September and October litters. Spring boars and gilts. One October boar.

BEN HOOK & SON, SILVER LAKE, KAN.

DUROC BOARS, AUGUST PRICES

Sired by Orion Lad. Shorter-legged and immune. Special for August. Also gilts.

W. M. ROGERS, R. 1, ALTA VISTA, KAN.

OFFERING DUROC BRED GILTS

15 bred for September farrow, the medium, farmer-approved type. Priced for quick sale.

WM. ROGERS & SON, White City, Kansas.

REGISTERED DUROCS

Outstanding gilts bred for September and October farrow. Buy now. Prices reasonable.

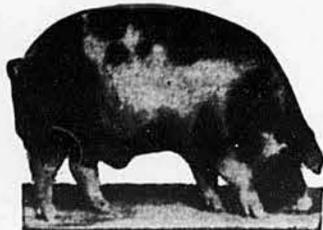
MILLER FARMS, MERIDEN, KANSAS.

BERKSHIRE PIGS—OXFORD RAMS

Breeding animals for sale. Rams, boars and bred gilts. Write for special 10-day offer.

FRED M. LUTTRELL, FARISS, MO.

Spotted Poland China Sale 75 Head Selling



Sale held at Holton Community Sale Barn,

Holton, Kan.

Monday, Sept. 24

1 P. M.

Featuring the 5 Times Grand Champion "SILVER ACE"

This outstanding boar and sire was 5 times Grand Champion including Nebraska, Kansas and Oklahoma State Fairs. The most of this offering are of the breeding of "Silver Ace." Also such boars as Royal Ace by Royal Defense and Touch Down. Also an outstanding litter out of Sensation Lady the top selling bred gilt in the Welch and Stoddard dispersal sale.

35 Gilts, 30 Boars and 10 Bred Fall Gilts for October Farrow are selling. This sale affords an excellent opportunity to make a most desirable selection of correct-type, well-bred Spotted Poland China hogs. Thick, easy feeders. Plenty of unrelated stock. Write for a Sale Catalog to

Carl Billman, Holton, Kansas

Auctioneers—Taylor and Martin, Fremont, Nebr.

Wabaunsee County Hereford Breeders' ANNUAL SALE

Fair Grounds Sale Pavilion
Alma, Kan., Wednesday, Sept. 12

35 Head picked from 16 leading herds of the territory. 12 Bulls (including 1 Poll). 23 Females of various ages.

Predominate Breeding—Anxiety 4th, Bright Imperial and Prince Domino. Advance Domino, Prince Domino and Anxiety Jr., Real Blanchard, Onward Domino, Stanway Hazlett, and WHR Lamplighter, and Onward Domino, New Prince, Prince Domino.

These sales are to be annual events and quality animals must be offered to guarantee better sales from year to year. Offering was selected by Bruce Taylor of American Hereford Assn.

CONSIGNORS
Gideon, Garland, Paxico
Kolterman, Robert, Wamego
McKnight, Jas. W., Eskridge
Mertz, Harold A., Zeandale
Moxley, J. J., Council Grove
Poole, Grover, Manhattan

For catalog or other information address WM. TRUE, Sec., Paxico, Kan.

Auctioneer: A. W. Thompson. Jesse R. Johnson with Kansas Farmer.



Beef CATTLE

Reg. Hereford Cattle Dispersal
Sales Pavilion
Lamar, Colorado
Saturday, September 15



80 Head **80 Head**

Complete Dispersion

3 Herd Bulls.
5 Yearling Bulls.
20 Cows with calves at side.
Balance bred and open cows and heifers. Leading bloodlines of the breed have been used in building the herd. For catalog write
J. W. STUART & SON (Owners)
Pritchett, Colorado

Registered HEREFORD BULLS Always

70 Breeding Cows (Domino breeding). Royal Triumph 14th in service. Bulls for sale every month in the year. Farm 4 miles east of town.
T. L. WELSH, ABILENE, KAN.

LAVINE'S CORRECT-TYPE HEREFORDS
Foundation stock selected from leading Kansas herds. Domino blood predominates. Inspection invited. Stock usually for sale.
E. D. Lavine, Mankato, Kan.

FOR SALE POLLED HEREFORD
herd bull, Beau Perfect 243d, bred by Lewis & Son, Keeping his heifers only reason for selling.
JOSEPH C. MAES, Bushton, Kan.

Polled Hereford Cattle Reduction
35 cows bred, many with calves at foot and rebred to Plato Domino A.A. and Bill's Harmon. Also 8 bred heifers and 12 yearling heifers. For sale one or all.
A. R. Hedrick, Murdock (Kingman Co.), Kan.

LATZKE ANGUS FARM
We have nice groups of young bulls and heifers coming on. Among them several grandsons of the 1939 International grand champion, Envious Blackcap 6th.
OSCAR C. LATZKE, Junction City, Kan.

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. Chocily bred of Earl Marshall and Prizemere breeding.
L. E. LAFLIN, Crab Orchard, Nebr.

BANBURY AND SONS Polled Shorthorns
35 HEAD FOR SALE
10 Males (some among the best in Polled Shorthorns). 25 Females. 130 HEAD to choose from, weaned calves to 12 months old. Special prices for September and October.
J. C. Banbury and Sons
Plevna, Kansas
9 miles southwest, then 14 miles west of Hutchinson, Kansas.

Shorthorn Bulls for Sale
One red Claret, one roan Emmilene. Sons of Sni-A-Bar Strathmore. Ages 12 months.
S. B. AMCOATS or ALLEN LARD
Clay Center, Kan.

SHEEP
Registered Hampshires
Fifteen well-bred ewes for sale, mostly one- and two-year-olds. Also extra good ram to go with them if wanted.
WESLEY WALKER & SONS
Fowler, Kansas.

Registered Shropshire Sheep for Sale
Ewes and rams—blue ribbon winners, 4-H material. Inspection invited.
LEO EBEL, R. 4, Wamego, Kansas.

Chappell's Shropshires
We offer an outstanding lot of yearling rams and ewes sired by Chappell 691 and Shultz 338. We invite correspondence and inspection.
H. H. Chappell & Son, Green Castle, Missouri

LACEY'S SHROPSHIRE
For sale: A nice lot of yearling and 2-year-old rams with size and quality. \$30 and up. All registered.
CLARENCE LACEY & SON
Meriden, Kan.
Phone 5420

Buy War Bonds!

Public Sales of Livestock

Aberdeen-Angus Cattle
September 4—Hiram Faidley Farm, Burr Oak, Kan. Sale at Mankato, Kan.
September 15—Finis Moss, Nevada, Mo.
October 20—Northeast Kansas Aberdeen Angus Association, Horton, Kan. Harry Dandliker, Secretary, Hiawatha, Kan.

Guernsey Cattle
September 24—Jo-Mar Farm, Roy E. Dillard, Manager, Salina, Kan.
October 18—Lyn-Lee Guernsey Farm, Hillsboro, Kan.

Holstein Cattle
October 22—Walter Clark and Son (dispersal), Hutchinson, Kan. Dawdy and McVay, Sale Managers.
October 23—Frank Finkelstein (dispersal), Hutchinson, Kan. Dawdy and McVay, Sale Managers.

October 29—Kansas State Holstein Breeders' Sale, Abilene, Kan. T. Hobart McVay, Secy., Nickerson, Kan.
November 12—North Central Kansas Breeders' Consignment Sale, Washington, Kan. Dawdy and McVay, Sale Managers.
November 13—Central Kansas Breeders' Consignment Sale, Hillsboro, Kan. Dawdy and McVay, Sale Managers.

Hereford Cattle
September 5—Bear Creek Hereford Ranch, Ashland, Kan.
September 12—Wabaunsee County Hereford Association, Sale at Alma, Kan. Wm. True, Secretary, Paxico, Kan.

September 14—Booth & Hitchcock, Westphalia, Kan. Sale at Garnett, Kan.
September 15—J. W. Stuart & Son, Pritchett, Colo. Sale at Sale Barn, Lamar, Colo.

October 19—Harvey County Hereford Breeders, Newton, Kan. Phil Adrian, Secretary, Moundridge, Kan.
November 1—Morris County Hereford Breeders' Association, Council Grove, Kan. C. W. Beck, Secretary, Council Grove, Kan.

Polled Hereford Cattle
September 4—Milton F. Hettenbach, Chapman, Kan. Sale at Abilene, Kan.
October 4—Goernandt Bros., Aurora, Kan.

Shorthorn Cattle
November 1—North Central Kansas Shorthorn Breeders, Beloit, Kan.
November 28—Central Kansas Shorthorn Breeders, Hutchinson, Kan. Frank Leslie, Sale Manager, Sterling, Kan.

Milking Shorthorn Cattle
September 27—A. E. Emrick & Sons, Pritchett, Colo.
October 3—Nebraska Milking Shorthorn Breeders' Assn., Fairbury, Nebr. Max Kimmerring, Secretary, Beatrice, Nebr.

October 12—Hartman Dairy, Wichita, Kan.
October 13—J. E. Hugenot, Minneola, Kan. Sale at Bucklin, Kan.
October 16—Kansas Milking Shorthorn Society, Hutchinson Fair Grounds, H. D. Sharp, Secretary, Great Bend, Kan.

November 3—D. P. Ewerl, Hillsboro, Kan.
November 14—McPherson County Milking Shorthorn Association, Sale at McPherson, Kan. C. O. Heidebrecht, Secretary, Inman, Kan.

Percheron Horses
September 4—Milton F. Hettenbach, Chapman, Kan. Sale at Abilene, Kan.

Duroc Hogs
September 29—W. R. Huston, Americus, Kan.
October 6—Clarence Miller, Alma, Kan.
October 8—Irvin P. French, Sparks, Kan.
October 29—Wayne L. Davis, Mahaska, Kan. Sale at Fairbury, Nebr.

Hampshire Hogs
October 23—(night sale) Warren Ploeger, Morrill, Kan. Sale at Horton, Kan.

Hereford Hogs
September 4—Milton S. Haag, Holton, Kan.

Poland China Hogs
September 11—J. J. Hartman & Son, Elmo, Kan.
October 12—Bauer Bros., Gladstone, Nebr.
October 16—Ray Saylor & Sons, Manhattan, Kan.

October 20—C. R. Rowe and Son, Scranton, Kan.
October 22—A. L. Wiswell and Son, Olathe, Kan.

Spotted Poland China Hogs
September 24—Carl Billman, Holton, Kan.
October 29—Wayne L. Davis, Mahaska, Kan. Sale at Fairbury, Nebr.

Dairy CATTLE
For better TYPE
Ayrshires are built right, especially in feet, legs and udder—where cows first go wrong. No breed so sturdy, active and vigorous.
Write for literature and list of breeders near you with stock for sale
Ayrshire Breeders' Association
200 Center St., Brimfield, Vt.

RAISE AYRSHIRES
Holstein Heifers for Sale
20 head, high grade and calfhood vaccinated. 10 to 24 months old. Some of them bred to registered Holstein bull, others to Hereford bull.
CHAS. DEIBLER, R. 3, MANHATTAN, KAN.

PHILLIPS' HOLSTEINS
1 yearling bull and several choice young bulls from 6 to 10 months old. Sired by sons of proven sires. All out of yearly tested dams. records up to 550 fat. Price \$100 to \$150 to \$200. **R. W. Phillips, R. 4, Manhattan, Kan.**

Smoky Valley Registered Holsteins
Carnation Countryman in service, mating with granddaughters of Sir Billy. Bulls, calves to serviceable age, out of cows with butterfat records up to 500 lbs.
W. G. BIRCHER & SONS, ELLSWORTH, KAN.

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, LERO, KAN.

CHOICE JERSEY BULLS
Ready for service. Excellent breeding and good quality.
BROOKSIDE STOCK FARM, SYLVIA, KAN.

Guardian of Morston
is the imported Suffolk Stallion which heads our herd of imported and American-bred Suffolks—the Suffolk is a draft animal, always chestnut, always a joy to handle—strong, brave, kind! Some day visit Rotherwood—to see the Jerseys and the Suffolks.
ROTHERWOOD JERSEYS, Hutchinson, Kansas.

Jo-Mar Farm Guernsey Dispersal Sale

Sale on farm just west of town (under cover) all-weather roads.

Monday, September 24

50 COWS
20 Bred Heifers
30 Younger Heifers and Heifer Calves
10 BULLS
20 Outstanding grade Guernsey Cows
130 descendants of many noted sires and famous dams of the breed.



ATTRACTIONS

4 daughters, 20 granddaughters, and many great granddaughters of the great foundation sire, Valor's Crusader 179868.
10 daughters of Meadow Lodge Rex's Superior.
20 daughters of Harvest King.
12 daughters of Argilla Fashioner and 30 or more bred to him. This great sire goes back to Kansas State College.

6 HERD BULLS SELL
Jo-Mar Toreador's Harvester King 299956
Meadow Lodge Honesty.
Meadow Lodge Rex's Superior.
Jo-Mar King's Lustre.
Jo-Mar Toreador's Irving.
Foremost Comet 2nd.
4 young bulls of exceptional quality also sell.

The dispersal of this great working herd affords readers of this paper an unusual opportunity for foundation or replacement stock. Operating under an unusually heavy overhead, only cows with heavy production and ability to reproduce both production and type could have been kept at Jo-Mar.—J. R. J.

For catalog write

JO-MAR FARM, Roy E. Dillard, Mgr., Salina, Kansas
Auctioneers: Roy Johnson, Mike Wilson and Roy Paul.
Jesse R. Johnson with Kansas Farmer.

3-in-1 Angus Dispersal Sale

At Moss-Seaton Sale Barn

Nevada, Mo.

Saturday, Sept. 15

12:30 p. m.

Dispersing the herds of the late John Sanders, Memphis, Mo.; the late W. E. Lowry, Mercer, Mo.; and the herd of Wilhoit & Son, Cameron, Mo.



85 Cows and Bred Heifers
50 Cows with calf by side

3 Herd Bulls
10 Young Bulls

Practically all of these cows are young, well-bred and producing cattle. 2 Eileenmere-bred bulls and one Black Prince-bred bull.

The Sanders' herd at Memphis was founded in 1897 and they have been breeding cattle ever since. They are well-bred with very popular families.

The Lowry herd was purchased by Mr. Lowry for the purpose of building a real herd of cattle. This is a working herd of cattle and will be sold without reserve.

The Wilhoit & Son herd is an old herd of cattle, originating from the John and Elliott Brown herd of Iowa, and all cattle are descendants from this herd.

Address all correspondence to Finis Moss, Sales Mgr., Nevada, Mo.
Auctioneers: Roy G. Johnston and Ray Simms—Bert Powell, with Kansas Farmer.

BOOTH & HITCHCOCK Dispersion Sale of REGISTERED HEREFORDS

In the Anderson County Sales Pavilion on Highway 59, at north edge of Garnett.

Garnett, Kansas—1 p. m.
Friday, September 14



59 HEAD — 10 BULLS — 49 FEMALES

Good useful cattle, the majority of them young with all their future ahead of them.

Featuring the Beau Mischief, Prince Domino and Hazlett breeding. All cattle tested for Tb. and abortion.

In 1938 F. E. Booth began collecting together a good doing kind of cattle. In 1942 we formed a partnership. The herd has been increased from time to time as opportunity presented itself. For catalog write to

BOOTH & HITCHCOCK, Westphalia, Kansas
Auctioneer: Art W. Thompson, Lincoln, Nebr.



The Tank Truck



News from Your Conoco Agent about Lubricants, Farm Fuels, and Service



These three scenes are on the Babcock brothers' farm near Colorado Springs, Colorado.

THE GREASE VETERAN SAYS:

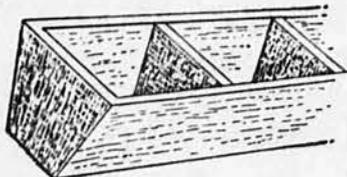
"Ran into a case not long ago of a farmer who was using a pressure-fitting grease to lubricate roller bearings on the front wheels of his tractor. A dealer had told him he guessed it ought to work, because there wasn't much pressure on the front wheel bearings. In practice, though, that lubricant packed as hard as paraffin—and the farmer wore out two sets of bearings in one year. When he came to read the manufacturer's instructions he found he should have been using a wheel-bearing grease all along. Sort of an expensive lesson!"

The Grease Veteran is right. It never pays to take casual advice, especially when it's easy to get correct information. To make it even easier, Your Conoco Agent has your FREE Conoco Tractor Lubrication Chart for you, containing manufacturer's recommendations for every part of your tractor. Call Your Conoco Agent for your FREE Tractor Chart today, and follow the manufacturer's recommendations.

\$ DOLLAR-AN-IDEA \$

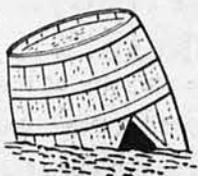
Ideas that help to make work easier on the farm front are worth a dollar in any man's money! Send your original ideas to *The Tank Truck* in care of this paper—win \$1.00 for each of your ideas printed!

Mrs. Elizabeth Look of Mosinee, Wisconsin, suggests using a hotpad and a square of sandpaper face down under the fastening screw of a meat grinder to hold it more firmly on the edge of the table.



The illustration at left shows an idea sent in by A. C. Grubble of Olney Springs, Colorado, to keep pigs from rolling in the feed trough.

At right is a sketch sent in by Miss Gloria Ludwick of Ekalaka, Montana, showing a type of brood coop made by sawing a barrel in two. Note that the saw-cut is diagonal so that the inverted tub will have enough slope to shed water. One barrel makes two of these serviceable coops.



Mrs. W. B. Ousley of Duke, Missouri, uses her washing machine to wash vegetables when canning. Only a few seconds are required to clean as much as twelve quarts of vegetables at one time.



THIS LITTLE PIG

KEEPS 15 TRUCKS AND 6 TRACTORS BUSY!!! A GOOD MOTOR OIL KEEPS THEM RUNNING!

FEEDING 2,800 hogs and 600 brood sows is a job for giants. But the Babcock brothers, whose 600 acres lie near Colorado Springs, take that job right in their stride—and feed over a hundred head of Durham cattle in the bargain.

To feed their hogs, the Babcock brothers collect and haul the garbage from the city of Colorado Springs. For this purpose they employ a fleet of fifteen trucks. In addition, six tractors are kept busy full time, farming their land to produce other feed.

Keeping a fleet of garbage trucks in condition is a job that requires the ultimate in careful maintenance. For a single day's breakdown could mean the accumulation of waste in residential neighborhoods—a serious threat to health conditions. However, the Babcock brothers have fully met these responsibilities since they first began hauling garbage in the fall of 1922. That's a good record—and it took a good motor oil to help these men achieve it!

The brothers have been using Conoco farm products for a number of years, and here's what one of them has to say about their experience: "With the aid of your Conoco tractor charts and the use of Conoco products for lubrication . . . trucks and tractors are kept in first class condition for field operations."

WHAT DO OTHER FARMERS SAY?

Keeping fifteen trucks and six tractors going is a big job for men and lubricants, but you well may ask, "What does it have to do with keeping an average-size farm's motorized equipment going?" Well, farmers of all kinds use Conoco products, and many of them write in to tell of their experiences. Here, for example, is a Nebraska farmer, George Schmiertenknop, who farms 200 acres near the town of Hooper:

He writes: "I have been a user of Conoco products for nearly twenty years and would like to take this opportunity to tell you that during this time your products have given complete satisfaction. . . . I am very much sold on the idea that by using superior products such as Conoco, it is far the cheapest in the long run."

Another farmer, Orval Nielson, also has good words to write about Conoco products in day-to-day farming. Mr. Nielson farms 248 acres near Marion, Iowa, and feeds beef cattle as well. He has used Conoco products consistently and says in his letter, "For six consecutive years I have enjoyed absolute trouble-free lubrication. This is what I like about Conoco. . . . I have passed my good experiences on to some of my neighbors and feel I have

Conoco representative Fred Koyen looks up the answer to a lubrication problem posed by George Schmiertenknop.



AT YOUR SERVICE WITH:

- Conoco Nth motor oil—Conoco HD oil
- Conoco transmission oils—Conoco pressure lubricant
- Conoco Pump-lube, Racelube and Coglube
- Conoco Sulfad grease, cup grease and axle grease
- Conoco Bronz-z-z gasoline—Conoco tractor fuel
- Conoco diesel fuel—Conoco kerosene and distillates



Harold Halstead, left, enjoys bringing quality Conoco products to the Nielsons—who seem to enjoy getting them.

converted them to the use of your products, especially the Nth motor oil."

CONOCO Nth OIL'S EXTRAS— THIALKENE AND OIL-PLATING!

Now maybe it's luck coming across three farmers who find Conoco products so satisfactory for diverse types of farming, but if you will read here what a product like Conoco Nth motor oil has to offer, we think you will begin to agree with those men who have used Conoco products.

First off, one remarkable extra ingredient that research developed for Conoco Nth oil gives it magnet-like energy to fasten lubricant direct to fine-finished surfaces inside any engine. This OIL-PLATING is an extra guard against wear. While the engine runs, OIL-PLATING teams up with liquid lubricant to fight frictional wear. And Nth oil goes farther than that, for while the engine is standing idle, OIL-PLATING doesn't all rush headlong back down to the crankcase, but tends to stay plated-up where it can protect metal from the corrosive effects of combustion acids always left in any engine.

As a second big extra, Conoco Nth motor oil contains another special ingredient. This is known as Thialkene inhibitor and its job is to help retard any breakdown of the oil itself. With OIL-PLATING and Thialkene inhibitor both on the job day and night, your engines have a better chance in the constant fight against wear and tear.

A third feature of Conoco Nth motor oil, and of all other Conoco products, is that you can get them so easily. All you have to do is call Your Conoco Agent. Just as soon as he's making a trip out your way he'll stop with your supply of Conoco Nth motor oil and other lubricants. Even if you don't need his service right away, call Your Conoco Agent soon. He'll be able to schedule deliveries better that way and he'll be sure to bring you your FREE Conoco Tractor Lubrication Chart when he comes. This is made up especially for your own make of tractor and you'll find it a valuable aid in keeping your tractor in tip-top shape. Call Your Conoco Agent soon. There's no obligation. Continental Oil Company

