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KANSAS FARMER

CONTINUING MAIL & BREEZE

APRIL 5, 1947



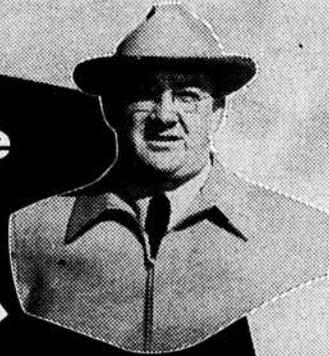
A Hobby Keeps One Interested and Interesting . . . See Page 16

● Changing the farming pattern of his community from the old one-crop cotton system to a program of balanced farming earned for M. P. Moore, Senatobia, Mississippi, election to the Champion Farmers of America in 1944. On the 15,000 acres which he owns or manages, he pioneered soil conservation methods which are now accepted practice. He proved that legumes and other feed crops can be grown, and that properly managed rundown land will profitably support livestock. On a greatly reduced acreage he grows as much

cotton as was ever produced on his farms under the one-crop system, and on the acres removed from cotton production he raises feed for hundreds of cattle. The purebred Polled Herefords on his Circle "M" Ranch are among the best. For four consecutive years his auction prices have set new world records. CMR Rollo Domino 28th topped his 1946 sale at \$28,000, while 50 head sold at the record high average of \$2,588. His many tractors are equipped with Firestone Ground Grip tires, and he says that the new Firestone Champion Ground Grip is the best tire he has ever used.

NOTE: For more information about Champion Farmer Moore, write to The Firestone Tire & Rubber Company, Akron, Ohio, and ask for booklet on "M. P. Moore, Champion Farmer."

Champion Farmer Moore Uses **Firestone** CHAMPION GROUND GRIPS



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Circle "M" Polled
Hereford Ranch
Senatobia, Miss.

THERE are four sound reasons why men like Champion Farmer Moore are putting their tractors on Firestone Champion Ground Grips: (1) they clean up to 100% more effectively; (2) they pull up to 62% more; (3) they last up to 91% longer; and (4) they roll more smoothly on the highways.

The extra high, curved, connected traction bars make this superiority possible. Shaped like a pyramid, they cut into the soil with a sharp, cleaving action. Mud falls from them freely because the space between the bars is wider at the shoulders than near the center of the tread. The bar connections brace and strengthen the tread and give the tires a powerful "center bite" in the very heart of the traction zone. The tires roll smoothly because the curved, connected bars are in continuous contact with the highway.

It will pay you to insist upon Firestone Champion Ground Grips for your tractor. They cost no more than ordinary tires.

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OUT CLEANS

OUT PULLS

OUT LASTS

ANY OTHER TRACTOR TIRE

Unloading Chute

Little Accomplished

Dear Editor: I realize Kansas needs better rural roads. As long as there has been a tax on gas for road building I don't think much has been accomplished in our township. . . .

More gas tax? Putting more tax on the people who pay a large part of the taxes, and then produce enough to feed two thirds of the people, is, I think, very unfair to them, namely the farmers. I have yet to see any road improvements from the 1-cent or more gas tax that have helped farmers. If this money were spent locally on roads farmers use most it would be a success. Not otherwise. The average farmer isn't interested in how many 4-lane highways are built, but would like to see some of the tax money spent on a road which he uses 90 per cent of the time. There is too much graft. . . . Why not do a little more checking up? The road program is tearing up good roads and rebuilding them, instead of building more good roads where they are needed.—H. R. Mueller, Hanover.

More Horses

Dear Editor: Your unloading chute is very interesting. In looking up references to horses in the Bible, I find in Zechariah, Chapter 1, verse 8, it speaks of red horses, speckled and white. I do not know whether that would be the Arabian horse, but it is the only reference I found giving any description of horses.

In addition to the list printed in March 1 issue of Kansas Farmer, I found these references:

- Genesis—Chapter 49, verse 17.
 - Genesis—Chapter 47, verse 17.
 - Exodus—Chapter 9, verse 3.
 - Deuteronomy—Chapter 17, verse 16.
 - Zechariah—Chapter 1, verse 8.
 - 1 Kings—Chapter 4, verses 26-28 (Solomon's 12,000 horsemen and 40,000 stalls of horses).
 - 2 Chronicles—Chapter 1, verses 16-17.
 - Habakkuk—Chapter 1, verse 8.
- I found only one reference in the New Testament, James 3-3.—Mrs. G. E. Alderson, Lamar.

Good Deed

Dear Editor: I wish to accept the blame for the misstatement regarding the "only mention of a horse in the Bible." I should have used the words "description of a horse" while talking to Dick Mann.

Mr. Wildman, of Dubuque, Iowa, counted the word "horseback" several times in his total, and missed the \$64 answer. It's the 39th chapter of Job, 19.25.—W. E. Laird, Eureka.

No blame, Mr. Laird. It gave many of us a chance to get better acquainted thru "The Unloading Chute." You could almost call it your good deed for the day. Thanks for your fine co-operation on the story. We certainly have been enjoying the many fine letters from Kansas Farmer readers.—The Editor.

Senator Capper on Radio

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

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Topeka, Kansas
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Why Shouldn't We Fight Now?

DEAR EDITOR: Just read your article on school consolidation in the March 1 issue and wish to inform you it certainly aroused the ire in me. Apparently you are not a farm father and this law affects you not much. . . .

It appears to me there are a lot of men . . . who think the farmer doesn't amount to anything, and it doesn't matter what he and his offspring have to go thru just so you get his valuation into the city. Remember you are biting the hand that feeds you.

I am the mother of a girl 8 and a boy 3. But if I were not a mother I would fight for the little country children. God bless them, everyone. They are the backbone of our country and we do not want it torn out and destroyed.

As for country teachers not being as good as city teachers, why do our country children educated in 1-teacher schools . . . carry off the high honors when they get in high school alongside the town pupils?

If you wish, I can send you the names and addresses of a lot of them, and they amount to something today. Some of them graduated from our little 1-teacher school, under teachers who were beginners and interested in their work, and didn't have so many pupils but that they could show them individual attention. We farm people want our children to have a good education and we can prove they are getting it. We also want them to be home long enough to know who their parents are and learn something about life on the farm, to be able to take part in 4-H activities, and by all means we want to take care of their health.

We live on a high-school bus route and know what it is like.

Remember the farm boys made the best soldiers, and so many fought and died for the freedom that is being taken from us.

Why shouldn't we fight now?

We circulated a petition and 10 out of the 11 families in our district signed and are very much opposed to forced reorganization. I think you will find about that per cent over the state.

Why is Kansas rated higher in education than consolidated states?—Mrs. Elmer Hollis, Hamilton.

Editor's Note: The writer is not quite a farm father, but he was a farm son; and went thru all the grades of a rural grade school. He meant it when he said in the article, "There is no question but that the rural schools have made an inestimable contribution to our state during their many years of service." Also, as stated, "Future action on the part of the legislature must be intended to satisfy the desires of the majority of the people concerned, and still retain the good qualities of our rural schools."

Always More Taxes!

Dear Editor: In regard to farm-to-market roads, I wonder why the powers that be always decide in favor of more taxes. We all know it is right that those who use the roads or benefit from them should pay for them. But if they would "investigate" and then do something about the inefficiency of the various road departments, I believe it would do more to give a healthy start on a new road program. When this is done I would not object to more taxes. They might not be needed if we didn't pay the boys to sit by the fire or run motor vehicles up and down the highways to keep the heaters going, or to lie in the shade during the warmer weather. I have a lot of good friends doing it, and as long as it is all that is required why should they bust a hame strap?

I believe if people felt they were getting a fair deal on the money being paid in there would be less trouble with tax evasion on gas used on highways.—E. J. Owens, Weskan.

In Colors, Too

Dear Editor: I will add another reference to those already mentioned as to name "horse" in the Bible. In Revelations, chapter 6, verses 2 to 8, it refers to the white horse, the red horse, black horse and to the pale horse, in the chapter containing a prophecy of the end of the world.—Mrs. J. F. McCrea, Valley Falls.

New John Deere No. 55 SELF-PROPELLED COMBINE



REMEMBER when you first drove the new family car? You were thrilled to the core and proud as a peacock, weren't you?

Well, sir, at your first opportunity get up on the "king's throne"—the operator's platform of the new John Deere No. 55 Twelve-Foot Self-Propelled Combine—put it through its paces in light or heavy grain . . . standing or windrowed crops and you'll experience the same "lift" you felt 'way back then.

Relax with the ease of steering it on the straightaway or around corners . . . watch the greedy way it handles the heaviest grain with never a grumble, never a groan . . . test the wide range of operating speeds—from a mere crawl to any speed up to six miles per hour . . . put it up to nine miles an hour in transporting . . . take it across field ditches—you'll find it has the flexibility of a bull snake.

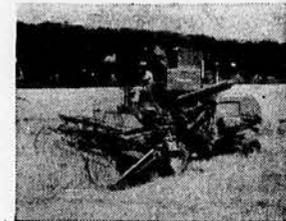
Sample the threshed grain for cleanness and freedom from cracking—look behind the combine. You'll agree the No. 55 saves more grain—that it is a master thresher through and through. You'll also agree that you've never before been in such complete command of your harvest.

See your John Deere dealer for complete information on the new No. 55 Combine. You'll find it has all the advantages of the ordinary self-propelled combine in saving man-hours, in saving grain, in opening up the fields, and in saving tractor power, plus many refinements that insure greater all-around value—more honest satisfaction down through the years.

A free folder will be mailed upon request.



When equipped with 88-inch belt pick-up, the No. 55 handles all windrowed crops with ease.



The owner of a John Deere No. 55 Self-Propelled Combine enjoys a shorter, easier, more profitable harvest.

JOHN DEERE MOLINE, ILLINOIS

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2nd Annual Meeting and Airshow
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Today—more than ever before—

Chevrolet alone brings you

BIG-CAR QUALITY AT LOWEST COST

This newest Chevrolet is even bigger-looking, even better-looking. . . . It gives Big-Car performance, Big-Car comfort, Big-Car dependability. . . . And it alone offers you this Big-Car quality at lowest prices, together with substantial savings in gas, oil and upkeep!

For dependable, day-after-day service around the farm—or for those occasional trips away from home—there's nothing like this *newest Chevrolet*, bringing you the new high standard of BIG-CAR QUALITY AT LOWEST COST!

You'll notice at once that this new Chevrolet for 1947 is even *bigger-looking*, even *better-looking*, even more beautiful and desirable in every way, than any

Chevrolet of the past. Moreover, you'll find it offers the finest combination of *all good things*, including *economy*, of any car in its price range.

It alone brings you the Big-Car styling of a Body by Fisher. . . . the Big-Car performance and dependability of a Valve-in-Head Thrift-Master Engine . . . the combined Big-Car comfort and Big-Car safety of the Unitized Knee-Action Ride and Positive-Action Hydraulic Brakes—all at lowest cost.

And remember, you get these exclusive motoring advantages in the newest Chevrolet at substantial savings. For Chevrolet has the *lowest-priced line in its field*. And Chevrolet saves you money on gas, oil and upkeep as well.

Choose the car that so many wise farm owners everywhere are choosing. . . . Choose the *newest Chevrolet* for BIG-CAR QUALITY AT LOWEST COST!

CHEVROLET MOTOR DIVISION, General Motors Corporation, DETROIT 2, MICHIGAN

The Newest **CHEVROLET**

New Machines on the Farm Horizon

By **L. E. CHILDERS**
and **R. B. GRAY**

L. E. Childers and R. B. Gray, who wrote this article, are with the Divisions of Agricultural Engineering, Bureau of Plant Industry, Soils, and Agricultural Engineering, U. S. Department of Agriculture, Beltsville, Md.

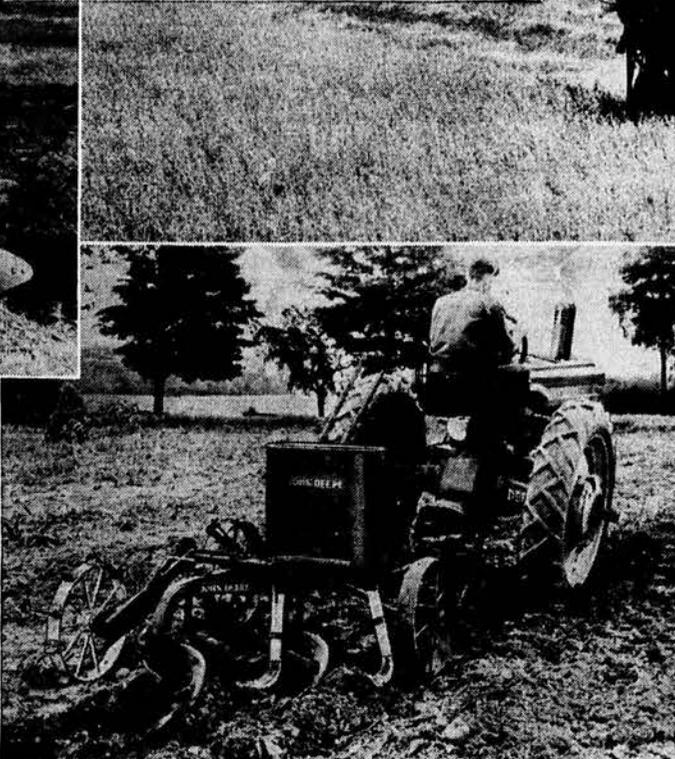


Allis-Chalmers 1-man field baler makes rolled bales, spirally wrapped with ordinary binder twine. It is power take-off operated. Designed for individual ownership on family-size farms.

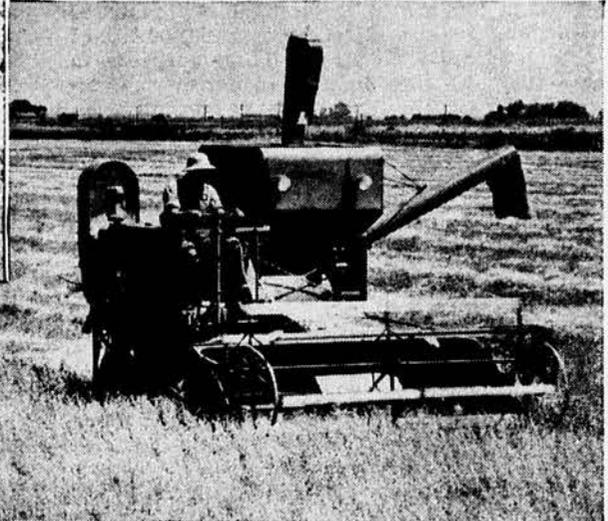
Family-size or ranch-size, manufacturers are building tractors and power equipment for every farm



One of International Harvester Company's most important developments for postwar farming is Touch Control of implements for Farmall-A tractor. It permits operator to raise or lower implements with precision. One knob raises and lowers the plow; another regulates depth of plowing.



John Deere plow-sole fertilizer distributor places commercial fertilizer under furrow slice at plowing time. Hopper holds 150 pounds, simple adjustment provides wide-range distribution—from 200 to 2,000 pounds an acre. No special platform needed for loading, fill any place in field.



Case self-propelled combine has unique variable speed drive, operator has clear view, complete control over all working parts. Foot pedal raises and lowers header by engine power. Individual main-wheel brakes assist steering, power auger empties grain bin quickly.

MECHEANIZATION of farming was the greatest single factor in the agricultural revolution that took place in the United States during the war. With the coming of peace this change continues. Close observers agree that in the next few years further mechanization may have an impact on the farm economy fully as important as during the war years.

On the horizon even now are machine developments that indicate the promise of the coming decade. One of these, of great importance to agriculture generally, is the further expansion in tractor numbers which is now taking place. And which is likely to continue at a more rapid rate, due to the development of small-size tractors with attachments suitable for the farmer with 100 or fewer

Minneapolis-Moline automatic baler, which is going into production this year. Only a limited number were produced last year, but the company reports orders for this new Bale-O-Matic, which automatically picks, slices and bales hay, will tax production capacity of their new plant.

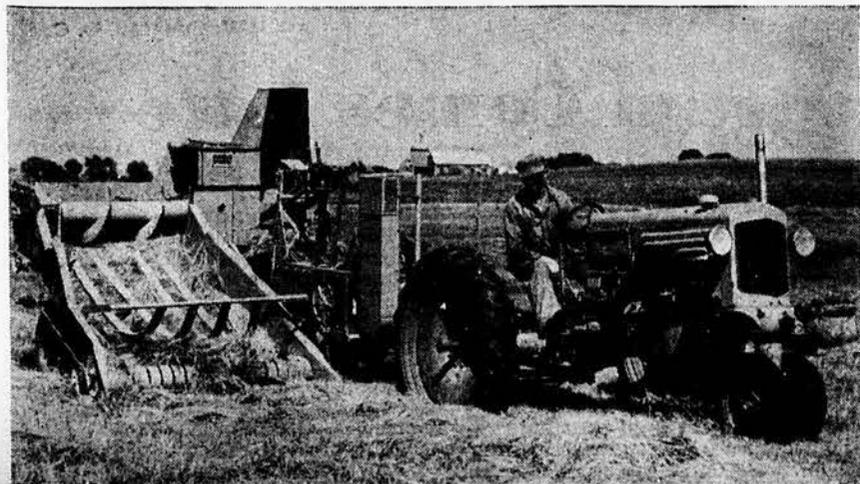
acres. The crop year now beginning should see these available in volume. In 1947 the new tractors will head the parade of a long list of new farm machine developments and improvements.

The tractor always has led the way in farm mechanization. It is the primary source of power a farmer must have to mechanize his operations.

More and more farmers over the country have been making this change. In 1940, it was estimated farmers had available about 174,000,000 horsepower, largely in tractors. There were then about 1½ millions of these on farms. Despite production difficulties and material shortages in the industry, tractor numbers have increased until now it is estimated farmers have nearly 2½ million of them. Available horsepower on farms has increased in proportion.

New tractors now coming on the market are much more efficient than ever. Lighter in weight, they have increased power, and less power generated is needed to move the machine itself. Rubber tires have become almost universal equipment. Most new models of tractors now have a third speed forward for use in [Continued on Page 10]

New Massey-Harris forage clipper, an all-purpose machine, simplifies haymaking and silage harvesting. In standing crop of hay it is mower, rake, chopper and loader in 1 unit; used with corn attachment it takes place of corn binder and ensilage cutter. Saves all the feed value.



Farm Matters

AS I SEE THEM

ANY consideration of what will happen in the next few years in the United States must take into account the foreign policies to be followed by the United States and by Soviet Russia. What those policies are to be is in the making, and to a great extent, unpredictable.

Scheduled to start next Monday, April 7, is the debate in the Senate over the so-called Truman doctrine. That debate may last 2 or 3 weeks.

Technically, all that will be before the Senate—and later the House—for action is the President's recommendation for blanket authority for him to use \$400,000,000, according to his own best judgment, to bolster up the governments of Greece and Turkey. There is no use mincing words about it. The \$150,000,000 proposed assistance for Turkey will be entirely military, to enable Turkey to strengthen her armed forces against threatened Russian aggression. Also, about \$150,000,000 of the Greek grant will be for military purposes, to enable the Greek government to put down Communist guerilla activities fomented by the Soviet.

Actually, the debate will cover a lot more territory than just the proposed assistance to Greece and Turkey. Similar proposals for Korea and for China already are in the making. And it is admitted that such assistance ultimately will be required for a number of small nations in the Mid-East—Iraq, Lebanon, Saudi Arabia, and others—and not unlikely for Italy and France. Whether there will be any stopping point in such a program, once the nations of the world are satisfied the United States will pour out funds and materials to "free and independent" nations threatened by communism within or without their borders, is a question.

At a conservative estimate, if only Greece, Turkey, Korea and China are taken care of in the coming fiscal year, some 2 billion dollars of assistance will have to be provided. And that amount is in addition to direct relief for these and other nations suffering from the ravages of war and consequent chaotic conditions.

There is every indication that, granting we have another bumper wheat crop, the Government will export 350 million to 400 million bushels of wheat or wheat equivalent next crop year, as it is doing this crop year. We are told that the Commodity Credit Corporation, which handles these exports, gets paid for every bushel exported. And that is true, so far as I know. But in official circles here it now is being talked that foreign governments will be able to pay perhaps only for half of the grain received, instead of 75 per cent. Which means the United States treasury will be called upon to pay for the balance.

In this connection, it should be noted that already the United States Treasury has financed \$20,000,000,000 of postwar relief.

What that means is that in less than 2 years the United States Government has expended some 12 to 15 billion dollars (at least) in this country, and has shipped out a corresponding amount of foodstuffs, railroad equipment, agricultural machinery—every imaginable kind of material—and that many more dollars have been pumped into our money stream. That much less of goods and materials have been available for purchase by those dollars.

A point I fear has been greatly overlooked by many of our people, is the effect this has had on prices. More dollars, fewer goods, can result only in higher prices. These high prices are the premium American consumers are paying for our foreign policies. As consumers they pay higher

prices. And as taxpayers, they must pay higher taxes to support these huge expenditures for assistance to peoples all over the world.

Now, if we are to give military assistance—even short of armed intervention—on a scale comparable to direct relief expenditures, the load on our own national economy is going to be a very heavy load.

So far as farmers are directly concerned, this kind of foreign policy is a two-edged sword. The program practically guarantees a market for every bushel of wheat for at least another year, perhaps two. But it also means a return toward a war economy so far as taxes and controls are concerned, and continued shortages of things farmers buy and continued high prices for such goods and materials as are available. The foregoing is an attempt to give you some of the background for the coming debates in Congress over foreign policy.

On the Job

I AM glad my home state has the Kansas Livestock Association. Made up of keymen in this great industry, they keep an eye on every development, good or bad, that has any connection with their important business.

This is emphasized just now by the resolutions drawn up and approved at their recent meeting held in Wichita. While this isn't the first word, by any means, that I have had from Kansas stockmen about the danger of hoof-and-mouth disease spreading across the border from Mexico and thruout the United States, I appreciate their firm stand that everything possible must be done to keep out this costly disease.

Our stockmen, in their number one resolution, urge that the U. S. Government lend all possible assistance—veterinary, scientific and financial—to the Mexican government to stamp out foot-and-mouth disease at the earliest possible moment; that the international boundary between Mexico and the United States be closed to such an extent that danger of this highly infectious disease being carried over the line will be eliminated; that sufficient patrol for enforcement purposes be maintained.

As chairman of the Senate Committee on Agriculture, I can assure my Kansas farm friends that everything will be done to fight off this hoof-and-mouth disease. It is no stranger to U. S. stockmen. You already know the Senate and the House both acted quickly on the bill authorizing personnel, materials and money for Mexico's fight on the disease. We hope this will be a successful fight. That in helping a neighbor we can check this livestock disease before it gets started in our country.

Many folks, perhaps, don't realize the value of livestock in our state. Let's look at one figure only—the income from livestock. This amounted to \$483,521,000 in 1946. It was the largest income from livestock and livestock products in Kansas on record. Back in 1924 it amounted to \$220,421,000 or less than half of the 1946 income. Now, look at it from another angle. How important is livestock in our farming picture in comparison to crops?

The answer gives livestock the edge. Naturally, there wouldn't be a market for much of our feed, grass and grains without livestock. But aside from

that, the income from livestock and livestock products in 1946 at \$483,521,000 beat the \$407,353,000 from crops. Checking back thru the years to 1924, we find this same thing true. Livestock always beat crops for returning an income. The two amounts got very close together at times—a matter

of only a few dollars apart. But with livestock responsible for more than half of our farm income, it is no wonder livestock men are alert to head off anything as destructive as hoof-and-mouth disease.

As I indicated, the income from livestock is only part of the picture. Here is the other part. Value of livestock on Kansas farms on January 1, 1947, was \$405,186,000. That is pushing pretty close to last year's income from this source. To find a higher value of livestock on hand we have to go back to 1919, the record year.

It is interesting to note that the value of all cattle and calves on Kansas farms as of January 1, 1947, was placed at \$315,500,000. This is the highest dollar value on record for Kansas cattle. And it is 78 per cent of the total value of livestock and poultry on farms. We have a great wheat state, but ours also is a great livestock state. I have said many times that agriculture is the foundation of our entire economy. I might add that livestock is the foundation of agriculture, aside from the land itself.

Now, I realize this fight on hoof-and-mouth disease is a tremendously important project; that it demanded speedy, drastic, dramatic action. I knew I would hear from a good many Kansas livestock men about it.

But I also know that our livestock men are giving just as careful attention to all the details of numerous other problems they meet, so our livestock industry will not lag. All of the fine points of breeding better animals, working out feeding rations that mean more rapid development, giving endless time and effort to the job of fighting all livestock diseases and pests; none of these are overlooked.

Results of this careful work are outstanding. Kansas livestock bring top market prices. It goes to every state in the Union to help improve other herds. Kansas winners in the big livestock shows are a source of pride to all of us. Then, right now, Kansas ranks seventh among the 48 states in cash income from livestock and livestock products. Of course, that is only because 6 other states—California, Iowa, Illinois, Texas, Minnesota and Nebraska—do a larger volume of business in livestock. We take no back seat when it comes to quality.

When I mention the program and top quality of our livestock industry, I am not unmindful of the part scientific research plays. Without it agriculture would be ages behind other industries. I know livestock men and farmers generally are grateful for the fine work done, the patient weeks and years spent, by our scientists at Kansas State College. And by the folks at state and Federal experiment stations thruout the country. I appreciate the fact that the Kansas Livestock Association is on record as backing this kind of work. We need more of it in the future. It is the key to future progress.

Arthur Capper

Washington, D. C.

Long-Range Farm Program Comes Later

By CLIF STRATTON

Kansas Farmer's Washington Correspondent

WASHINGTON, D. C.—Continuing foment over the world, which lead some, perhaps many, to believe that the post-World War II months are just the prologue to World War III, have helped create a condition that probably means a minimum of so-called farm legislation.

Definitely, the talked-of long-range national farm program, to be built upon the AAA foundations, is put over until the second session of this Congress. Possibility of a joint committee from the agriculture committees of Senate and House to make studies,

perhaps hold hearings between sessions is discussed. But not with too much enthusiasm.

Anything in the farm field deemed really emergent probably will get action. Congress did not hesitate long to deal with foot-and-mouth disease in Mexico. The bill authorizing our government to co-operate with the Mexican government in attempts to control and eradicate the disease in Mex-

ico was passed with a minimum of delay.

Both branches passed a bill appropriating 9 million dollars for the U. S. share in the program for the months of April, May and June. The Mexican government is to put up \$9,350,000 for the same period. A conference of representatives of the 2 governments resulted in agreement for the 3 months' expenditures. Later in the session an

appropriation for the next fiscal year, starting July 1, will be made.

The full-year program is to be along the lines of the following memorandum that came from the conference of officials of the 2 governments:

"Whereas, Mexico hopes to continue its expenditures at approximately the same rate as during the months of April, May and June, but foresees that it will not be able to increase this rate of expenditure; it is further recommended—

"That, if a full, effective program of
(Continued on Page 26)

These Twenty-one Tips Mean More Sheep Profit

TWENTY-ONE tips that will help Kansas sheep-flock owners make more money in 1947 are offered by Carl Elling, Kansas State College extension specialist in animal husbandry. Here they are:

Wear all lambs by or before June 15. Market all lambs that weigh 90 pounds or more by that date.

Lambs weighing 70 to 90 pounds by June 15, should be weaned and fed a good grain ration to increase individual weight to 95 pounds or more.

Lambs under 70 pounds should be weaned and put on good pasture and fed out in the fall on a grain ration. This late lamb proposition might, in many instances, be improved by shearing, dipping, and worming when lambs are put on feed.

Early weaning of all lambs promotes the early lambing season (last of November and December) by improving condition of ewes during the summer.

Internal parasite infestation increases in severity after the first of June.

Early lamb marketing reduces these losses and is an important step in controlling internal parasites.

Do not add parasite-infested sheep to your thrifty flock.

Use phenothiazine any time during year if needed, except for pregnant ewes during the month before lambing.

Do not use ewe lambs for replacements in the flock, and especially not the late ewe lamb. The early and fat lamb is worth too much on the market and the late ewe lamb is undesirable in the flock in several ways.

Use the best quality of young yearling range-bred ewes for replacement.

Use the best mutton-type registered rams.

Lambs, if fat, will bring top market price when produced from that combination of breeding stock.

Early marketing and weaning of all lambs simplifies summer management of the ewe flock 100 per cent. Not retaining the ewe lambs for replacement simplifies the ram problem. It does not pay to allow the ram to breed ewes sired by him. Retaining late ewe lambs in the flock results in more late lambs.

A flock of ewes of the same age will do better and be more easily handled than if of different ages.

By means of an effective culling program, based on the kind of lamb which the ewe has produced by June 15, a young flock of ewes becomes more efficient at an early age.

Keep the ram in good physical condition, on good pasture and roughage, on a limited amount of grain during breeding season.

Except during the mating season, keep ram separate from ewes. During mating season, if ram appears slow, good results can be obtained thru shearing and keeping him away from ewes during the day.

Stiffness in creep-fed lambs can be almost entirely prevented by keeping feed boxes clean and feeding regularly; feeding ewes for maximum milk production; mixing 10 per cent of bulky feed with the grain, such as bran, oats, alfalfa meal or a mixture of the 3; and plenty of good water at all times.

Good-quality roughage in winter, and good pasture in summer, are more important than any grain ration or combination of rations in getting good results from a farm flock of sheep.

Supplemental pastures in spring, summer, and fall, and cereal grain pasture in winter, are tops for sheep.

Reduce Shipping Losses

BOTH railroads and truck lines made substantial improvements in handling livestock in 1946, states Ray L. Cuff, regional manager of the National Live Stock Loss Prevention Board, Kansas City.

This improvement has been in the form of fewer deads and cripples during shipping, Mr. Cuff stated. The greatest improvement was made by trucks in lowering the percentage of crippled cattle. Rails reduced the number of dead calves by 46 per cent and trucks by 24 per cent.

Trucks showed a good decrease in both deads and cripples in handling hogs, while rail shipments showed some increase in deads. In sheep, however, trucks had 5½ times more deads than rails, but showed a decrease in cripples compared to an increase of cripples in rail shipments.

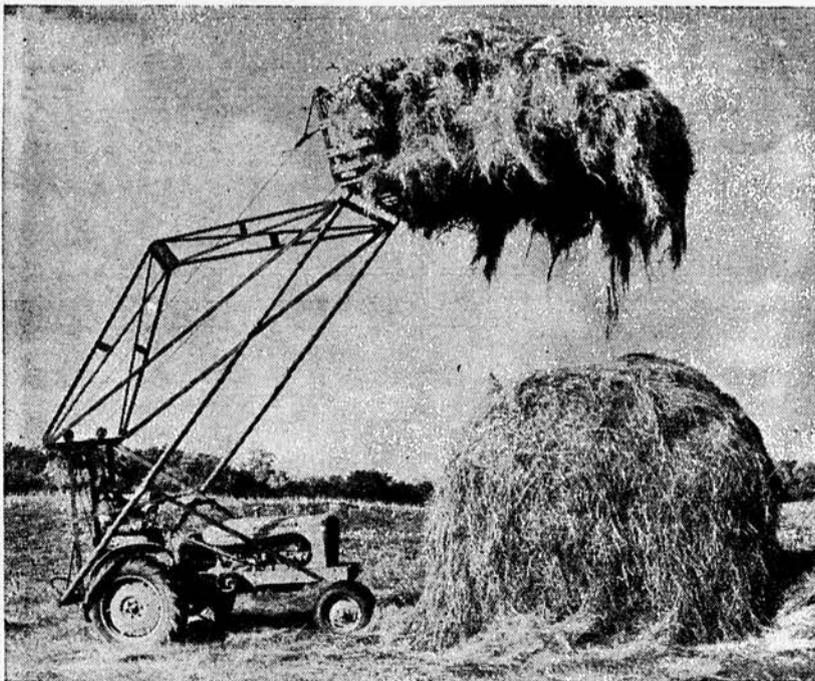
Summarizing all livestock shipments, Mr. Cuff pointed out that 1946 showed over-all improvement in handling of cattle, calves and hogs, but a slight increase of deads and cripples among sheep.

Decreased losses by truck shipments have been due in part, he said, to use of new and better truck equipment, and an educational campaign designed to instruct truckers on loading, unloading, and handling animals during shipment.

Prevent Oil Leak

To prevent oil from soiling materials after oiling sewing machine, tie a small piece of ribbon, cotton string or a narrow piece of absorbent cotton tightly around the needlebar near the point where it grips the needle.—Mrs. C. B.

"Farm Hand" Does 42 Jobs



The Hydraulic Farm Hand, manufactured at Hopkins, Minn., shown here, not only can lift a huge load of hay but it has 42 other jobs to its credit. Here are some of them: Loading manure, hauling grain bundles, shoveling sand and gravel, loading hay wagons, loading bales, opening roads, changing wagon or truck boxes, clearing feed lots, building dams, handling ear corn, pulling fence posts, elevating grain, loading lumber.



Mirage on Main Street

● A recent survey of public opinion indicated that lots of folks have been "seeing" a mirage of railroad profits that weren't there.

Most people thought that 10% would be a fair profit for railroads—nine out of ten said 6% or more would be fair. But the fact is that the railroads don't come out anywhere near that well.

In the years since 1938—four of them war years of tremendous traffic—the railroads earned an average of only 4% per year on their net investment in tracks, cars, engines, shops, stations and all the things it takes to produce the rail service which the nation needs.

In 1946—with wages and prices of material and fuel up more than 50% above prewar levels—railroads still hauled freight at prewar rates. Even with a slight increase in rates during the latter half of the year, their earnings on net investment dropped to an average of only 2¾%. Some railroads earned more, but others showed no profit at all—were, indeed, in the red for the year of the heaviest peacetime traffic in history.

At the end of 1946, the Interstate Commerce Commission authorized higher freight rates to become effective in 1947. These increases will help the railroads to meet their rising costs, and will give them a better chance to improve their equipment, roadways, and other facilities—improvements necessary for continually better service to the public.

But even with these increases, in 1947 railroads as a whole will probably average little more than 3% on their investments—just about half the 6% which is as little as anyone would consider a fair profit.

AMERICAN RAILROADS

TRANSPORTATION BLDG., WASHINGTON 6, D. C.



IN PARTNERSHIP WITH ALL AMERICA

FARM NEWS



QUESTION: Do you know an easy way to make tractor and truck motors more powerful?

Carl French, Ft. Worth, Texas says, "Yes, I've cleaned up the motor of my tractor and my truck by using Sinclair's new Opaline Motor Oil. With sludge and other deposits out, I get more power and save on repairs."



Mr. French's granddaughter blows her whistle to show how clean a motor is kept with Sinclair Opaline — "Clean as a Whistle".

Opaline cleans as it lubricates because it contains special chemical additives developed in Sinclair's own research laboratories. For more power use new Sinclair Opaline Motor Oil regularly.



YOUR SINCLAIR AGENT DELIVERS DIRECT TO FARMS — PHONE OR WRITE HIM FOR

SINCLAIR OPALINE MOTOR OIL

Keeps Your Motor Clean as a Whistle

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with MULKEY'S ALL-STEEL PORTABLE ELEVATOR FOR

• HAY AND EAR CORN

17½ FT. LIFT



Write for literature and prices.

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1621-KF Locust Kansas City 8, Mo.

Unload in 2 Minutes!



with **LITTLE GIANT DUMP BODY HOIST**

Low Cost - Easy to Install

Takes the heavy work out of unloading — gets the job done fast! Any farmer, trucker, etc. can afford one. Fits all trucks — all beds. Simple to attach — you can do it yourself. Does not change the chassis in any way. No hydraulic cylinder to adjust and service — LITTLE GIANT works equally well in hot or cold weather. Easy-crank operation. Only \$65 and up. More LITTLE GIANTS in use than any other. Absolutely guaranteed. Write for details and prices.

LITTLE GIANT PRODUCTS, INC.
1570 N. Adams St., Peoria, Ill.

Livestock Men Pick Heine

"Need Expanded Market to Reduce Surplus," Said Hope

By ROY FREELAND

NEW president of the Kansas Livestock Association is Fred W. Heine, prominent Russell county stockman and banker. Mr. Heine, who succeeds Wayne Rogler, of Matfield Green, was elected at the annual convention of the association, held in Wichita, March 11 to 13. Serving with Heine, as the new vice-president, is State Representative Herb J. Barr, who headquarters at Leoti and carries on extensive farming; and livestock enterprises thruout several counties in that area. Will J. Miller, of Topeka, veteran secretary-treasurer of the association, was re-elected to that position.

Selection of the new officers was merely one feature of the colorful convention program, packed full of informative talks, entertainment and expression of policies on state and national problems affecting the livestock industry. One of the most unique attractions at this year's convention was the auctioning of 2 purebred animals at the Thursday evening banquet, with proceeds going to the new State 4-H Club Camp.

With Gene Watson, of the Kansas Livestock Association, acting as auctioneer, the first animal to sell was Lady Tredway 56, a classy Hereford heifer donated for this cause by J. J. Moxley and the Moxley Hall Hereford Ranch at Council Grove. The attractive heifer, sired by Moxley's noted herd sire, WHR Royal Tredway 8th, sold for \$2,500 to Murray Gill, for the Kansas Gas and Electric Company, of Wichita. This firm, also wishing to do something worth while for the camp, donated the heifer back and asked that she be sold again, with proceeds again going to the camp. On second sale, the heifer went to Charles C. and George R. Theis, of Grove Ranch Co., Englewood, at \$1,800.

Gilt Sold Three Times

The second animal to sell was a purebred Hampshire gilt, donated by Joe O'Bryan, nationally known Hampshire breeder at Hiattville. This gilt first sold to the Swift and Henry Livestock Commission Company, Kansas City, for \$325. She was donated back and resold to E. B. Shawver, Wichita, for \$500. Mr. Shawver also donated the gilt back, and the third time she went under the auctioneer's hammer to Robert Owthwaite, of John Morrell & Company, Topeka, at \$300. Including personal contributions made at the time of the sale, receipts of the evening for the 4-H camp totaled more than \$6,000. Indications are, however, that this is "only the beginning." Because at the close of the sale, 2 prominent Kansas stockmen announced their intention of donating animals to be sold for this same purpose at the banquet next year. James G. Tomson, Sr., of Wakarusa, will donate one of the famous Tomson Shorthorns, and Herb J. Barr, of Leoti, will donate a palomino filly.

Among the convention speakers was Dr. A. D. Weber, head of the department of animal husbandry, at Kansas

State College. Doctor Weber told the stockmen that if Kansas and the nation are to have a sound, stable agriculture, and if this depends on a program of soil conservation, then there must be a strong livestock industry to utilize grasses, hay crops and grain from the feed crops. Doctor Weber declared, also, that more emphasis must be placed upon manure in a good soil-conservation program.

Clifford R. Hope, U. S. congressman from the Fifth Kansas District, and chairman of the House Committee on Agriculture, made a rush trip from Washington, D. C., to bring the stockmen latest information on national and international affairs affecting the livestock industry. Congressman Hope explained that a joint Mexican-American committee has been established for study of the foot-and-mouth disease in Mexico. With a Mexican chairman and an American vice-chairman, this committee is designed to prevent spread of the disease in Mexico, and prevent its infiltration across the border into the United States.

Urges New Research

Regarding problems of farm production, Congressman Hope was emphatic in urging new research and investigations in the field of marketing agricultural products. "People want full production on farms," he declared, "yet with new methods, new crops, new varieties, we will maintain production at war levels, and that is more than we can absorb. There must be new methods set up so this will not result in a reduction of agricultural prices. If farms produce enough to feed the people, they should not do so to their own detriment. We need expanded markets, and these expanded markets will reduce surpluses. If people could buy and consume all the meat and milk they need, we would not be on a surplus basis but rather a deficiency basis. For this reason, nutritional research is a vital factor in the present agricultural picture."

F. E. Mollin, of Denver, Colo., secretary of the American National Livestock Association, told the Kansas stockmen that the first responsibility of the nation is to keep the United States strong. Mollin urged that there be no lowering of the tariff on beef in reciprocal trade agreements. "It is foolish to even consider such a thing," he declared.

A. Z. Baker, president of the American Stock Yards Association, Cleveland, Ohio, discussed "On the Road to Market," and R. C. Pollock, general manager of the National Live Stock and Meat Board, Chicago, Ill., told of new developments in meat and meat promotion. Kansas livestock disease-control programs were discussed by Dr. George A. Rathman, chief veterinarian with the State Livestock Sanitary Commissioner, Topeka. Dr. Kenneth McFarland, superintendent of Topeka schools, speaking on "Behold This Day," provided a highlight attraction for the Thursday evening banquet.

New High in Labor Saving



The Papec hay harvester takes the backache out of haying. In 45 years of specializing on feed machinery, Papec Machine Company, Shortsville, N. Y., has introduced many laborsaving machines, but the 18H Papec hay harvester, shown here, sets a new high in man-labor reduction, the company says. It handles any hay crop—green, dry or semicured. Moving at 4 to 6 miles an hour, it picks up hay directly from the windrow, chops it the desired length and blows it into truck, wagon or trailer. Operators chop from 5 to 10 tons of dry hay an hour.

HERE THEY ARE!

The Great NEW Postwar De Laval World's Standard Series Separators

Every Part Milk or Cream Touches is STAINLESS STEEL!

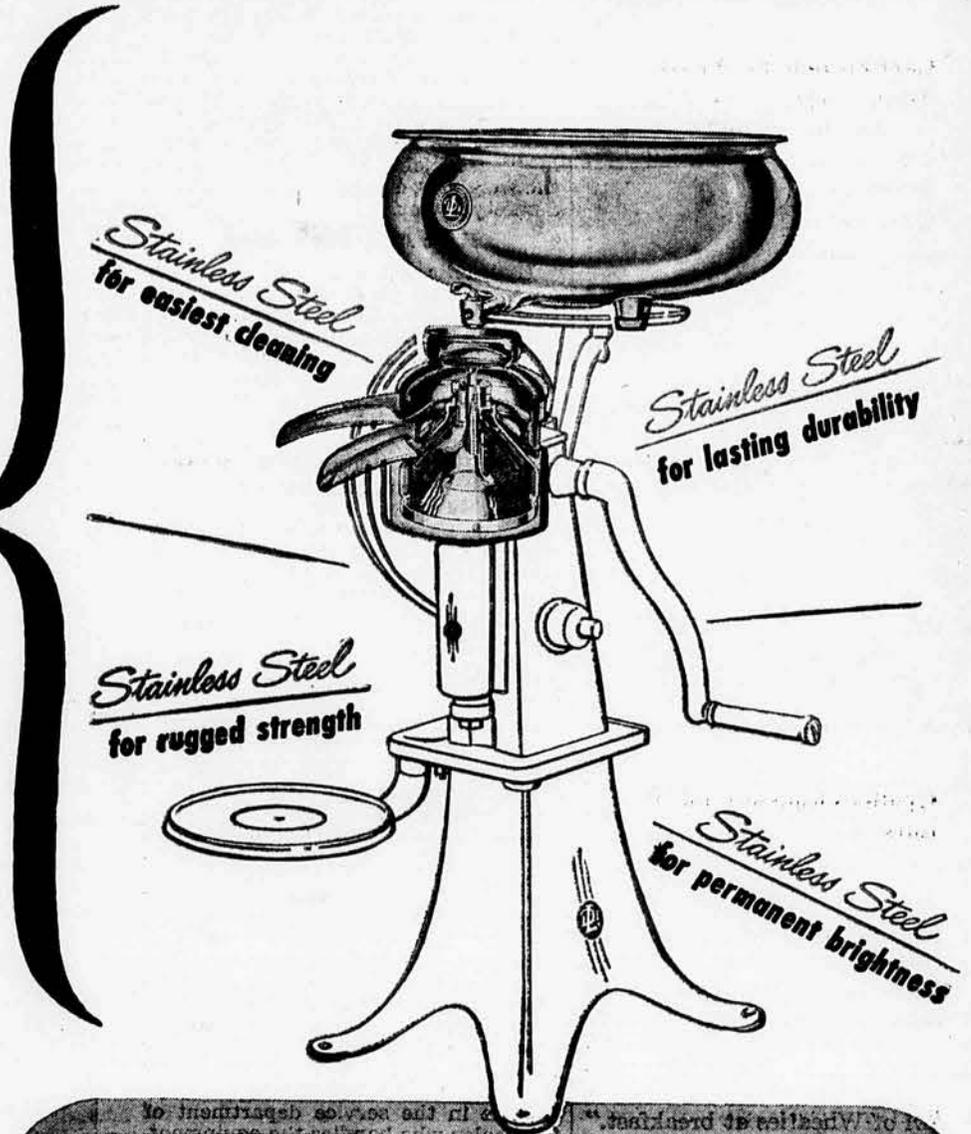
The minute you first set eyes on these great New De Laval Separators you'll know they're the best you've ever seen.

De Laval engineering has gone all out to give you cleanest skimming... easiest 2-minute washing... longest service... easiest operation... and all at lowest cost per year of use!

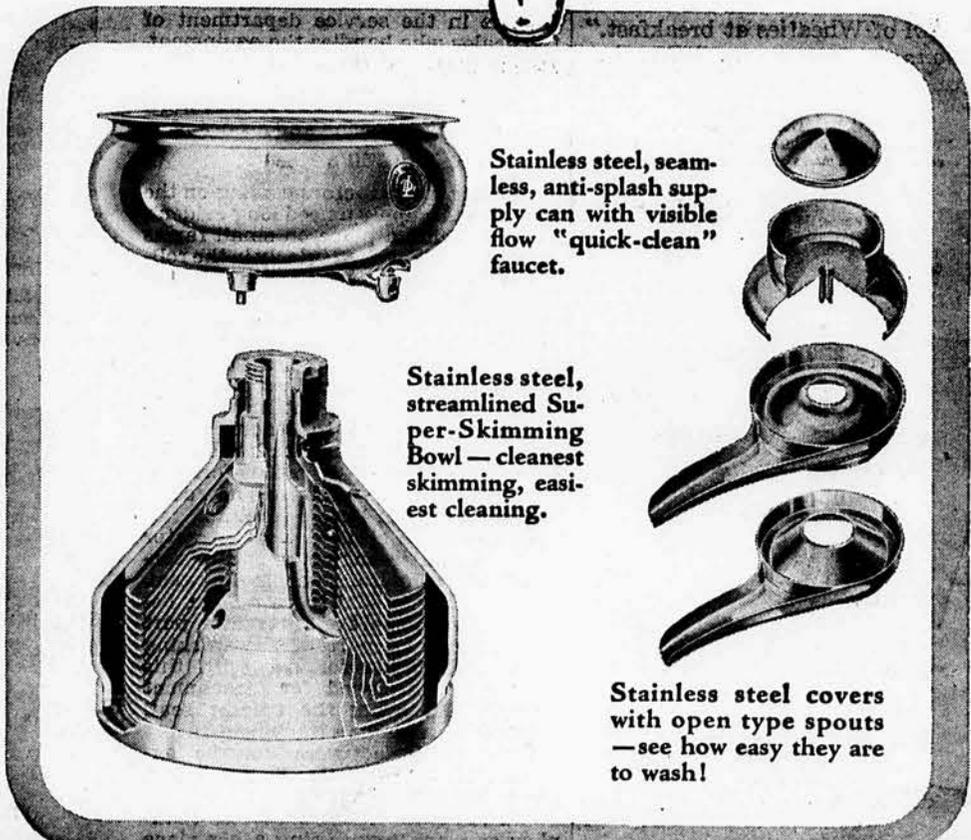
The new Super-Skimming Bowl... supply can... covers with new open discharge type spouts—all are of gleaming, forever bright and rust-proof stainless steel.

These and other new features and improvements make these New De Laval World's Standard Series Separators the best you have ever seen or operated.

See them as soon as possible—and get the complete story on these new postwar De Laval Separators from your local De Laval Dealer.



Made in three sizes—
hand or motor drive:
No. 514—550 lbs.
per hour
No. 518—800 lbs.
per hour
No. 519—1150 lbs.
per hour



Stainless steel, seamless, anti-splash supply can with visible flow "quick-clean" faucet.

Stainless steel, streamlined Super-Skimming Bowl—cleanest skimming, easiest cleaning.

Stainless steel covers with open type spouts—see how easy they are to wash!



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61 Eccle Street, San Francisco 19

New Machines on the Farm

(Continued from Page 5)



High herd champion at the National Barrow Show was A. C. Ogden, North Manchester, Indiana. His Silverbrook Farms hold many top-rank awards for OIC hog competition. In addition to national honors during 1946, Ogden showed Ohio Improved Chesters which won him championships at the Illinois, Indiana and Texas State Fairs.

"At Silverbrook Farms, the work day starts early," says A. C. Ogden. "I often start breakfast with Wheaties. Hard-working nourishment in those big whole wheat flakes. Nourishment plus swell-tasting flavor are the reasons I'm sold on a big bowl of Wheaties at breakfast." *Reasons for you to try Wheaties, "Breakfast of Champions."*

General Mills, Inc.

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



MORE good eating in Wheaties' new Extra-Big-Pak. 50% more than the regular package. Right amount for the farm size family—considering Wheaties' second-helping flavor. When you try Wheaties—be sure to ask for the Extra-Big-Pak.

moving from one field to another or over highways.

Manufacturers also are giving full attention to safety features. Foolproof shields are provided for power take-offs, other gears, and chains, to insure safety for the operator. Safety in other machines besides tractors also is getting attention.

Attachments are being simplified. They save the operator time in changing from one machine to another, and also eliminate danger. Hooks or other means are being provided to make it unnecessary for the operator to get off the tractor to lift equipment into place for completing attachment to the tractor. Also, there is some tendency toward design of tractors with adjustable spacing of front wheels as well as of the drive wheels. This is particularly true for use in highway work or other high-speed jobs, where distribution of the weight at 4 points rather than 3 is a safety factor.

Have Fingertip Control

Hydraulic or mechanical means are now provided on most wheel tractors to give the operator fingertip or touch control of attachments. Power for the hydraulic system is provided by a pump which forces liquid thru the system under pressure. To lift plows, cultivators or disks from the ground, or lower them into position, the operator need only move a small lever which opens or closes the necessary valves. This development adds ease and convenience of operation, and is a contribution to safety. One recent development in hydraulic equipment is a remote-control cylinder for operating drawn implements not an integral part of the power unit.

Another feature of present-day power machinery, including tractors, that deserves attention is the precision with which parts are machined and fitted. Antifriction bearings are now used for most working parts. Tolerances are extremely close. A good farm tractor or power machine is as precisely built as an automobile, and deserves equal care and attention. Such precision-built equipment runs smoothly, lasts long, and requires few repairs.

But it requires reasonable attention and care, particularly regular lubrication and use of oils supplied by reputable manufacturers. Low-cost oils aren't always a bargain, and with a good piece of equipment it doesn't pay to take chances. Moreover, when major repairs are needed it will pay to have it done in the service department of the dealer who handles the equipment. The majority of these now have factory-trained mechanics, and facilities and repair parts to do the needed work with factory precision and accuracy.

Will Fill a Need

Smaller plow tractors coming on the market will supply a need long evident. They will find a place on small farms everywhere, but particularly in the rolling-hill country. And on many larger farms they will be used for specialized jobs. One of the first of these to be announced is rated at 10 horsepower on the belt, designed to pull a 10- or 12-inch plow. With a speed ranging from 2 to 6 miles an hour, it may be expected to plow 2½ to 3 acres a day with a 12-inch bottom. It also is rated as capable of handling cultivators and similar drawn row-crop tools now commonly used with larger tractors.

In the same size class is a tractor with 2-cylinder engine, 4 speeds forward, and a hydraulic-control system. The drawbar is said to be unique, being an integral part of the tractor, part of the lift, and part of the working equipment. Tools for use with this tractor are designed for attachment by one man from the tractor seat, many with a single attaching pin.

Other manufacturers can be expected to have small plow tractors ready for production soon.

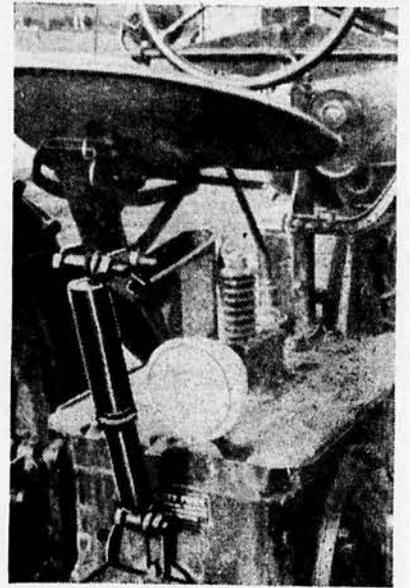
Garden-type tractors of less-than-plow size are now finding a big place in gardening and in farming small tracts ranging from 1 to 10 acres. Expansion in manufacture of this type of tractor has been especially rapid since 1945. Such tractors range from 1½ to 5 horsepower. One garden-size tractor, new on the market, has an automatic-clutch arrangement that adjusts the speed of the tractor to the power requirements, depending on soil and moisture conditions. Attachments for

garden tractors range from plow bottoms, cultivators, and planters to mowers and sprayers. This makes them adaptable for a wide variety of jobs for which the larger tractors are used, except on a small scale and at slower speeds.

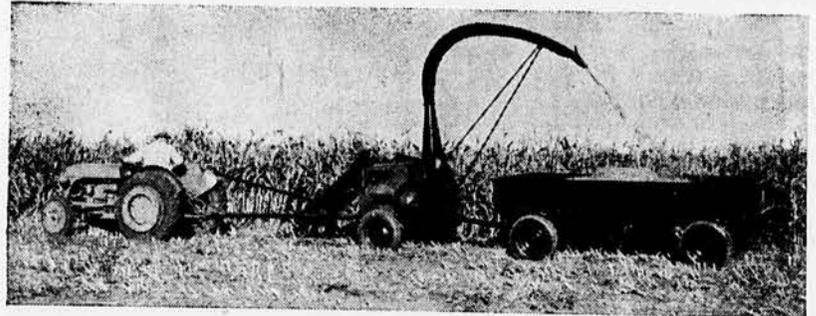
Proper soil preparation still is the basis of good farming. And the plow has never been replaced as the chief tool used in initial tillage operations, altho there are many different designs and shapes. One of the newest now in quantity production, designed as an aid in soil conservation and for deep plowing, is a double-deck type. The upper deck consists of two 10- or 12-inch shares. Below these, giving 2 to 4 inches of additional plow depth, is another similar pair of shares set slightly to the side to give a full 14-inch cut. The lower bases spray a part of the crumbled plow pan into the soil turned over by the upper shares and mix the litter, straw and stalks thoroly with the soil.

In general, the trend in plow design is now toward higher clearance to prevent clogging by trash, especially at deeper depths. This feature is especially desirable in turning under hybrid corn and other heavy-rooted plants. Straight-shank plows, first introduced 10 years ago and now widely accepted, marked the beginning of this

(Continued on Page 22)



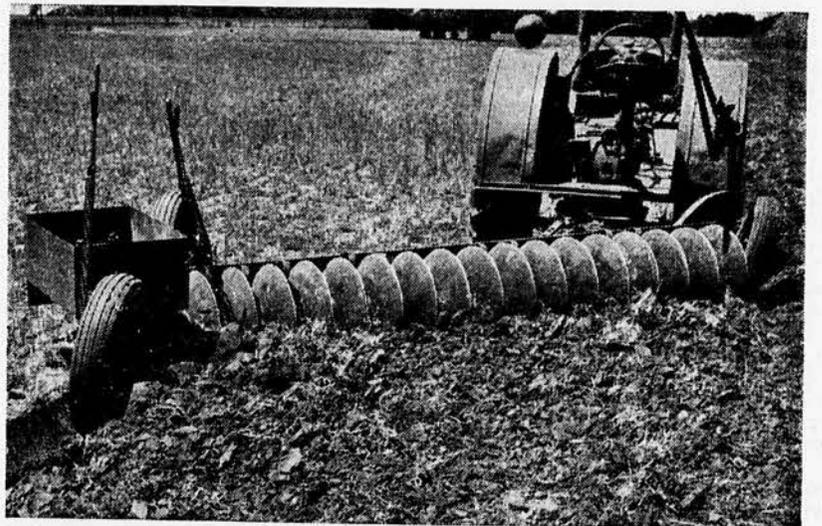
The "Flash-O-Hydraulic Ride Easy," shown here, works on the same principle as the automobile shock absorber. Fleischer-Schmid Corporation, Columbus, Neb., prove it prevents jarring, tossing and seat spanking even in rough fields. It controls the rebound action of the tractor seat, giving an easy, floating-cushion ride. Main unit is the hydraulic cylinder, and shaft with special valves, properly filled with hydraulic fluid.



Shown in action with its row-crop attachment is the 3-purpose Skyline field harvester, made by Davis Manufacturing, Inc., Wichita, Kan. Pictured harvesting atlas sorgo 8 to 10 feet high at the Davis experimental farm near Derby, the machine performs equally well in short crops, and will cut and shred 10 to 14 tons of green ensilage an hour. Side gates were removed from trailer so harvesting operation could be photographed.

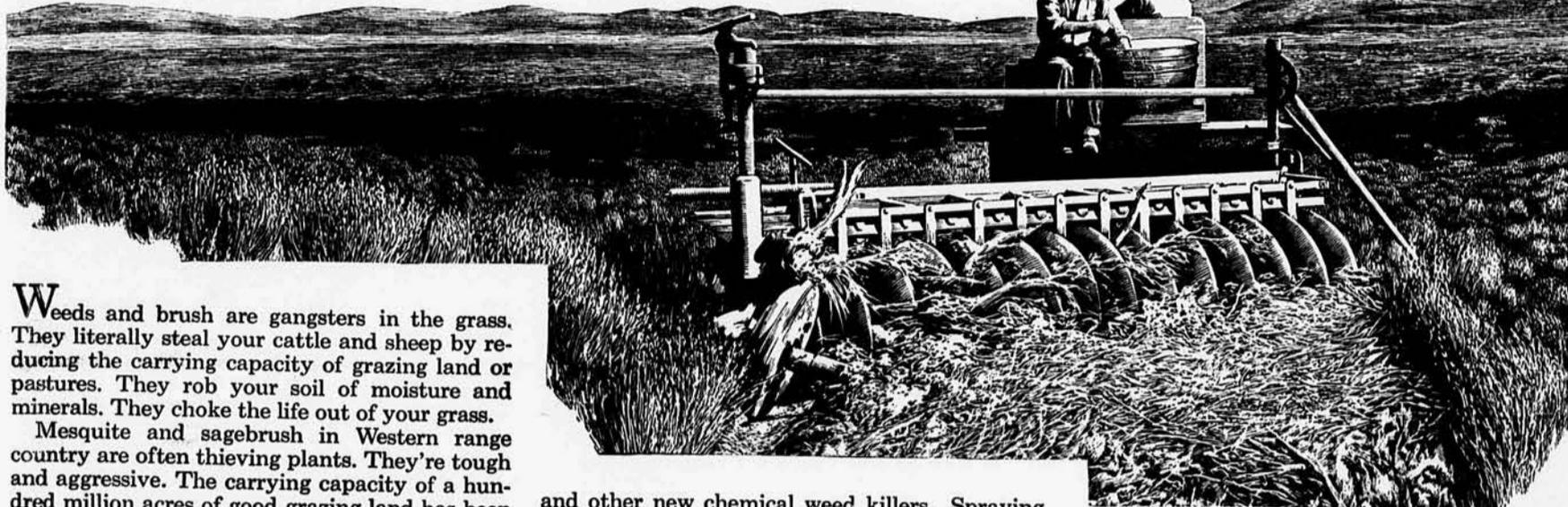


Powerful hydraulic truck dumps and wagon dumps are offered by Twin Draulic, Inc., Laurens, Ia. Both units were developed at the same time and on the same patents. They were invented by a young Iowa farmer just out of his teens. Both of these units make farming operations much easier.



The Krause 1-way disc plow, made by the Krause Plow Corporation, Hutchinson, Kan., has more than 20 years' continuous field performance in Kansas, Colorado, New Mexico, Oklahoma, Nebraska, Wyoming, South Dakota and Texas. Designed simply, company officials say there is no excess weight, has a light draft. There is a 30-disc size, too, which, traveling at 5 miles an hour, can actually plow 100 acres in 10 hours. A few, simple adjustments in wheels and hitch, and you can turn the plow lengthwise to pull behind a tractor or car on highway.

Gangsters in the Grass



Weeds and brush are gangsters in the grass. They literally steal your cattle and sheep by reducing the carrying capacity of grazing land or pastures. They rob your soil of moisture and minerals. They choke the life out of your grass.

Mesquite and sagebrush in Western range country are often thieving plants. They're tough and aggressive. The carrying capacity of a hundred million acres of good grazing land has been greatly reduced by these two alone. Weeds and brush can be burned or poisoned, grubbed out with bulldozers or yanked out with tractors and cables. Grass thrives again when the brush is gone. Then, cattle or sheep production can be increased, sometimes as much as 300%.

From farming states come reports of doubled beef production per acre of pasture simply by mowing weeds. In dairying sections startling improvements in production, flavor, and milk and cream profits have resulted from cutting pasture weeds two or three times a season. Promising experimental work is proceeding with 2, 4-D

and other new chemical weed killers. Spraying pastures is proving effective in destroying these livestock rustlers.

Once weeds are under control, pastures benefit by liming, fertilizing, reseeding with recommended pasture mixtures, by harrowing or disking to break up manure. Few crops give as great return for a little attention as does grass. A good starting point in an improved grass program is to take steps to control weeds and brush.

We—both you and Swift—are interested in making the best use of what we have. It has been said that "a penny saved is a penny earned." There are many dollars to be saved by making the most efficient use of grass lands. We suggest that you contact your state agricultural college, county agent, or vocational agricultural teacher for further information.

PRODUCERS BENEFIT FROM QUALITY CONTROL

Quality Control protects the buyer of Swift products. It also serves the farmer. For it insists that his products be processed into the best possible consumer products.



H. S. Mitchell

"When Mr. or Mrs. America buys a Swift product, they expect top quality," says H. S. Mitchell, director of our Research Laboratories. "They also depend on it to be just as good as the last time they bought it. That's why they keep coming back for Swift products. They have every right to expect uniform high quality. And it's the job of the quality control system to make sure that they get it."

Quality Control begins with the livestock and other "raw materials" selected by Swift buyers. Next, it lays down exact written specifications for the control of each step in the processing of many products. Finally, it sets up strict quality standards for the finished products.

Our Research Laboratories are in twenty-one cities. More than 1,000,000 exacting tests are made each year in our Quality Control program. Each test takes time and work. But constant testing is the only way we can be certain that the quality of Swift products is uniformly high. This constant Quality Control not only builds confidence in Swift products, but it also helps create a steady, dependable market for the livestock and other raw materials we purchase from producers. A permanently successful business must be grounded on the solid foundation of uniform quality.



Soda Bill Sez: ...the time to hold on hardest is when you've just about decided to let go.

Martha Logan's Recipe for FRANKFURTS AND HOT POTATO SALAD

(Yield: 6 servings)

- | | |
|-------------------------------|--------------------------|
| 6 frankfurts | ¼ cup diced green pepper |
| 4 large potatoes | 3 tablespoons water |
| 3 tablespoons bacon drippings | 2 teaspoons sugar |
| ¼ cup diced onion | 1 teaspoon salt |
| ¼ cup vinegar | ¼ teaspoon black pepper |

Cook potatoes. Peel and cut in ½-inch cubes. Place frankfurts in saucepan of boiling water. Remove from heat and let stand from 5 to 8 minutes. Heat drippings. Add onion and green pepper, and brown. Add vinegar, water, sugar, salt, and pepper. Cook over low heat until flavors are thoroughly blended. Pour hot sauce over cubed potatoes and mix lightly. Top with frankfurts and serve hot.

OUR CITY COUSIN



City Cousin,
Smart in school,
Thought that he could
Lead a mule ... April fool!

Judging Producing Ability of Heifer Calves

by W. W. Swett
Bureau of Dairy Industry
U. S. Department of Agriculture



W. W. Swett

The results of preliminary analyses of data obtained by scientists in the Bureau of Dairy Industry, United States Department of Agriculture, offer much promise that dairymen will soon have a new, practical, money-saving system for judging the future producing ability of heifer calves.

We have found that by examining the udder of a dairy heifer when she is 4 months old we can get a good idea whether or not she will be a good milk producer. We think that with a little practice any farmer can learn to judge heifer calves the same way.

Working with our experimental dairy herd at Beltsville, Maryland, we first determined, by feel, the average udder development of calves. Then we graded all the heifers as High, Medium, or Low. Later we checked the grades of these calves against their milk production records as cows. We found a fairly close match between the grades of the calves and the milk production of the cows.

Since these results are based entirely on the study of animals in one herd, the plan must be rigidly tested for reliability in other herds where the inheritance for milk production may be at different levels and more variable, before it can be recommended for practical use.

The pay-off, of course, comes in culling out low producers at an early age. It costs about \$125 to raise a heifer to milking age. Nearly one-third of the heifer calves now raised turn out to be unprofitable cows. If the method stands up under field tests it appears that this proportion and the resulting monetary loss can be materially reduced.

Price balances supply and demand



There is always a demand for meat. Yes, at some price. But that price is not determined by the meat's cost, or set by the meat packer. It is set by what the consumers are willing and able to pay for the meat and by-products. That is something which must be known and remembered if one is to understand the meat business.

A good many people think that the meat packers sell meat for the cost of the livestock, plus expense, plus a profit. But that is not how meat prices are made. We must sell our meat—because it is perishable. We hope, of course, to sell it at a price which gives us a profit. But profit or loss, we must sell it. As our president, John Holmes, said recently, "We seek the price that balances supply and demand. Sometimes this is a profitable price; sometimes there is a loss. The records show that, on the average, we make a modest profit year by year."

As for prices paid for livestock, they, too, are set by the forces of supply and demand. No meat packer could control them because there is so much competition both in buying and selling. There are over 4,000 meat packers and 20,000 commercial slaughterers competing daily for live animals.

F. M. Simpson,

Agricultural Research Department

Things are NOT always as they seem



Which weighs more? The cubic foot block of iron, or those four big rolls of 26" fence wire? The wire looks much heavier, but it isn't. They weigh the same—491 pounds each.

No, things are not always as they seem. Take that fence wire, for example. The fence maker paid perhaps 2¢ a pound for the iron. You buy it as fencing at around 7¢ a pound. That leaves a "spread" of 5¢ a pound between the raw material and the finished product. This "spread" covers heat treating, drawing the wire, weaving it, rolling, and other processes we may not know about. It includes also manufacturer's profit, transportation, jobbers' and retailers' costs and profits, and delivery to you.

There is also a "spread" between what you producers get for livestock and what you pay the meat dealer for meat. For one thing, an average 1000-pound steer produces only 543 pounds of meat and 161 pounds of by-products, both edible and inedible. In processing there is unrecoverable shrink and waste of 296 pounds. We also have the costs of "disassembling" live animals into meat, refrigerating, transporting to market, and delivery to retail stores. The "spread" covers also retailers' costs and profits—plus a profit for the meat packer which averages only a small fraction of a cent per pound of product handled.

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

QUALITY FARM LUBRICANTS FOR FORTY YEARS



Nourse LUBRICANTS



Right for Spring

Nourse weather conditioned oils and greases are right for spring plowing and planting, just as sure as there is a seed that is right for your climate and soil condition.

Farmers have been depending on Nourse lubrication for over 40 years. Nourse products are proved on the farm.

Nourse Friction Proof is a Premium Oil—It cleans dirty motors—Keeps clean motors clean—It's Homogenized—a method of blending that preserves all of the lubricating qualities of the natural oils while it blends them inseparably into a motor and tractor oil that's right for you. All Nourse products are unconditionally guaranteed. See your Nourse dealer now for your spring lubricating needs.



NOURSE OIL COMPANY
KANSAS CITY, MISSOURI

"Business is Good!"



"Just like Ma said..."

"...someday Colorado Fence would be back, and we'd be fenced in...to keep us where we oughta be and out of where we shouldn't be. Remember, Ma said the Boss would wait for this Colorado Fence!"

Ma was right! Colorado Fence is back. CF&I is trying hard to fill all your needs for sturdy, dependable fence...See your Dealer.

COLORADO FENCE
A PRODUCT OF



The Colorado Fuel and Iron Corporation
EXECUTIVE OFFICES: DENVER, COLO. STEEL MILLS: PUEBLO, COLO.

The Unloading Chute

All readers of Kansas Farmer are cordially invited to express their opinions in these columns on any topic of interest to farm people. Unsigned letters cannot be considered and no letters will be returned.

DEAR EDITOR: Kansas Farmer has come to our home for a number of years and I find it a very fine, helpful farm paper.

But there is a statement made in the March 15 number, by James Senter Brazelton in his article on the apricot, that grieves me very much. He referred to the Bible story of the Garden of Eden as a myth, and I believe there are a great many true Christian farmers in Kansas who feel the same as I do.

Now, I do not question the possibility of the translators making a mistake in translating the word "apple." But I find in a lifetime of Bible reading and study, that the Bible truths are so interwoven that there is no place to divide the Bible and say that this is true and that is false. We must either accept the whole Bible as true or condemn the whole Bible as false.

Now it is a clear, plain fact that the people and nations throught the ages,

both in Bible history and on down to the present, who worshiped God and obeyed His commandments, excelled both in the arts and industries of peace as well as the art of war when war was forced upon them.

As for me, I believe the whole Bible, and I believe America will do well to stick close to the Bible and its truthful teaching. Or else, according to Bible history, we will some day fall victim to some heathen nation.—A. O. Netrover, Garden City.

Editor's Note: "It is obvious that a religious myth is not the same thing as a fairy story or a phantasy. The difference is that the religious myth corresponds to something which is true in reality, but which cannot be expressed in the language of science or prose, because it concerns ultimates which cannot be measured."—A Preface to Bible Study, by Alan Richardson, published by Westminster Press.

No disrespect for the Bible was intended in using the word "myth." Would "legend" have been a better choice of word? Webster's dictionary says: "Myth and legend cannot always be sharply distinguished. In general, a myth deals with the actions of the gods or of godlike beings; a legend, though it may include supernatural incidents, concerns human beings."

Of all the surprises, there's nothing to compare With treading in the darkness on a step that isn't there. —Kreolite News.

Don't Laugh at Dry Kansas!

DEAR EDITOR: I would like to express my views on the question of repeal of the prohibition law.

Some people laugh about dry Kansas. But have they stopped to think that having a law on any subject, altho it is not enforced, and not having a law on said subject, is vastly different.

If there is no law covering a certain subject, then it matters not how much a citizen is annoyed or disturbed, he has no recourse to the law for protection against such annoyance. Whereas, if there is a law covering said subject and one is annoyed or disturbed, there is a way to have that law enforced and so have protection and relief from annoyance and disturbance.

Such is the case of the Kansas prohibition law. Just because the citizens, yes, you and I, haven't insisted that this prohibition law be rigidly enforced, it has become a joke to many people to refer to dry Kansas. Think back to those troublesome years immediately before and after Kansas became a state, and you will see that most all, if not actually all, of the harrowing and discreditable deeds that occurred were incited and carried out because of the influence of liquor.

And now comes a time when Kansas is in need of raising more money, and so comes the greatest chance to the foes of prohibition to tear down all that has been achieved thru the years. But even if the liquor tax did bring in millions of dollars, would it be worth the demoralizing effect it would have on the people of Kansas, especially the young people. Young people are our most precious possession.

There would be a gradual lowering of ideals, and an increase of the younger people using liquor, with the sure taint of alcoholic traits handed down to future children, an increase of broken homes due to the lowering of high ideals, clean thinking and living. I say, will those millions pay for all these?

If we, the citizens of Kansas, will demand and see that we get enforcement of the prohibition law, with no let-up in our demands, then prohibition will work. And Kansas will go forward to new achievements and will be a leading example to the peoples of these United States we all love and are so justly proud of. Wake up, people of Kansas! Study this question honestly and thoroly for yourselves.—Mrs. R. Broomhall, Mont Ida.

"We Have Gone off the Deep End"

DEAR EDITOR: The little red schoolhouse, placed on these rolling fields of Kansas years and years ago by our forefathers, is now slated to go. All at once it becomes a menace and we must eradicate it like the bindweed. That little red schoolhouse, placed so every child could reach it, was sometimes placed out in the timber, but it sailed courageously on and turned out many a far from stupid person. I'd hate to try to fool some of those people who never saw the inside of any other school than the little red schoolhouse.

If this is progress, far be it from me to fight it. I've earned many a dollar by teaching a rural school—earned half of it by scooping coal and snow. I'd be the last person to see it thru rose-colored glasses. I know all its defects—I can name them off one by one.

My home and all the land I own is located within one half mile of a big consolidated district which recently accumulated many, many sections of land. I should be satisfied, but I have sympathy for the people who were not as lucky as I happened to be.

I am appalled when I think of the hardships we have forced on these people in the districts where the schools have closed.

I have the highest respect for the reorganization committee in our county. They have worked diligently

and faithfully on a hard, thankless task. They are typical of those all over the state.

We have gone off the deep end in Kansas in order to "streamline our children." We have closed these schools right and left and made no provision for transportation. We have taken them not over 10 miles as a crow flies. "Anybody got a crow?" No farmer is physically or financially able to transport children to and from school twice a day....

On our trip to Colorado last summer I saw dozens of schoolhouses being torn down or moved away. In one Western Kansas town we stopped to visit relatives. In one block there were 3 houses which had been moved in from the country. These people said, "We didn't want to leave our farm but they took our school so we had to come." They had moved the house and the children—not the cows, chickens, or hogs—they had sold them. That's progress for you—no chores. Why, those children will never have to miss a ball game or a picture show. No chores—they can dash right home

You can't change the past, but you can ruin a perfectly good present by worrying about the future. —De Laval Monthly.

from school and start with "Jack Armstrong" and go right on thru "True Detective Mysteries." No chores —when they want eggs they can go over to the grocery store and get them in a paper sack, if there are any eggs; when they want milk they can get it in a bottle, if any; when they want meat they can always get lunch ham or wieners, if any. I wonder.

A thousand farmers marched into the statehouse in Kansas over the school deal. . . . Why have we neglected our public schools until the state took them over? In my opinion, the money is in every school district if they will only raise it. Put this money up and the teacher will be there. . . .

We have looked over these districts, grabbed the school, crossed our fingers, and hoped the stork wouldn't leave any children too far from school. . . .—Mrs. Courtney Underwood, Atchison.

Be Very Careful

Dear Editor: I sincerely hope our governor and legislature will do something constructive. Some of the things which the people of this great state of Kansas have a right to expect of them:

In regard to the proposed new school law, they should be very careful and use every precaution.

The school bus has already brought much sorrow and sadness to rural homes over our land.

I have good friends . . . in rural districts of nearly every county in Kansas, and I would dislike to see them lose their dear old district schools, if they do not wish to give them up.

What little education I have was received at the little old log schoolhouse at the crossroads.

We must all watch our teachers. If they go on performing as they did last year, there will soon be no city schools, and the city folks will be sending their boys and girls to the country schools.

The slimy serpent of Communism has crawled into our city schools under the cloak of the C. I. O. and the A. F. of L., and every thoughtful man and woman knows the safety and security of our city schools are as insecure as snow upon volcanoes' lips.

If I could construct sentences that would coil and hiss like an old-fashioned Kansas rattlesnake, I could not express my disgust and hatred for Communism.—Fred R. Cottrel, Irving.

Far From Satisfied

Dear Editor: On that very important subject of school redistricting there is much to be said in favor of rural schools, or at least schools in walking distance of small children. And I don't mean meeting a school bus. Too often it fails to come.

Ed Rupp's article says apparently redistributing does work, and gives Jewell county as an example. Well, are Jewell county people satisfied? Far from it. Our road situation doesn't suggest school busses. Petitions were circulated against some of the redistricting but that didn't help.

On a radio program on juvenile delinquency . . . they mentioned overcrowded schools as a cause. In any larger school, individually poor pupils remain poor. At least in our rural schools a little more attention is paid to an individual student. Diseases are thicker in larger schools.

Also, are school busses chaperoned so they are fit for small children to ride on them with high-school students? Just ask a few of the quieter children and the answer is no! Do parents of small children wish them exposed to such talk and actions? I don't. Why take children farther away from home supervision and for longer hours?

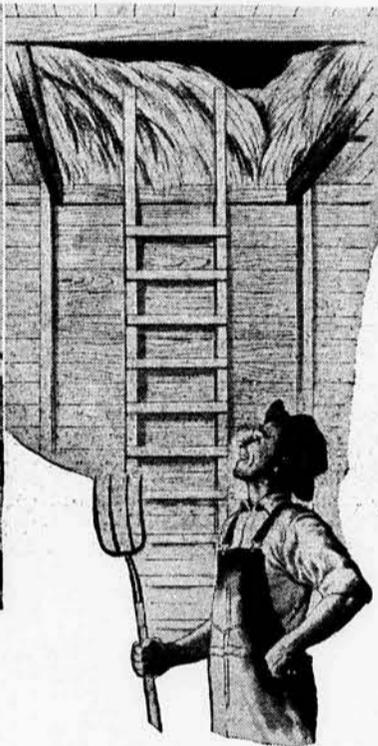
Is our Kansas land to be farmed by people past child-bearing age? If so, how will we feed the increasing population? Or are there to be fewer farmers with larger acreages as years go by? For parents of small children are going to be closer to schools.

Much can be said on this problem, but where will it get us? What of the meeting in Topeka of rural people against it? I'm afraid they gained exactly nothing.—Mrs. Clare H. Schuster, Mankato.

Don't risk losing it after you've got it milked!



PROPER MILK COOLING checks bacterial growth, so milk should be cooled immediately after milking, both night and morning. The two milkings should never be mixed together. Cool them promptly and keep them separate. Mechanical refrigeration is best. Cold circulating water is the next best. Ask the County Agent or our field service man about a cooler for your size herd. Do it now. Protect yourself against milk losses this summer.



As you probably know, cow population of the U.S. is down. But human population is growing rapidly. And nutrition authorities are urging people—men, women and children—to use more milk and dairy products for better health!

These basic facts spur us on in our efforts as co-workers of yours in the marketing of milk and other dairy products. They indicate the wisdom of adequate production to hold the present markets and point the way to your future security through efficient milk production.

Plan your farm operation for more uniform production of quality milk the year around . . . and more milk per acre! The County Agent and our field service men are ready and anxious to help you.

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MORE "HAY" FOR NEXT WINTER. If you're short on legume hay, consider planting soybeans. Seeded at corn-planting time, they grow rapidly nearly everywhere, and are easily handled as a supplementary hay crop to help keep milk production up next winter. If not soybeans, ask the County Agent about another quick-growing annual.

BIG IDEAS IN SHORT SENTENCES

- ✓ Manure in a pile produces nothing but flies. On the fields it's "more milk per acre." Spread it now.
- ✓ Raise herd replacements with milk-saving feeds.
- ✓ The "correct milking routine" saves time, helps control mastitis, aids sanitation.
- ✓ Utensils get really clean when you rinse-scrub-rinse. Make it a habit.

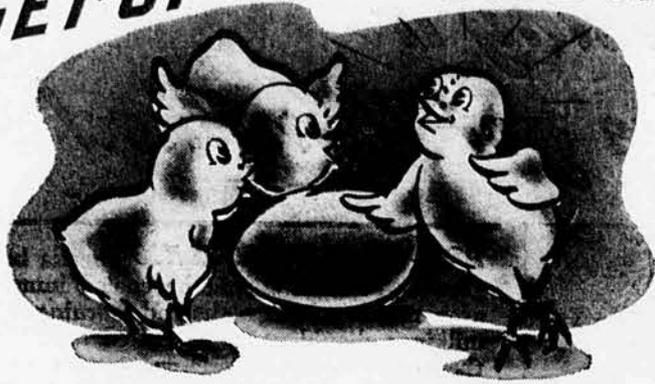
MAKE YOUR FUTURE MORE SECURE WITH

MORE MILK PER ACRE



"The light of the candle snuffed out goes on and on forever," the scientists say. What about a life or a good deed?—G. H. R.

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eight-tablet-to-the-gallon doses, prevents the spread of cecal (bloody) coccidiosis. Give your chicks this helpful treatment upon the first sign of an outbreak (bloody droppings) to prevent its spread. Reduced losses in thousands of flocks last year.

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Farms Getting Telephones

Further Expansion Scheduled for 1947

RURAL telephones in Southwestern Bell Telephone Company exchanges in Kansas last year increased more than 14 per cent. M. J. Stoker, general manager for the Western Missouri-Kansas area, said recently. More rural telephones were installed during 1946 than in any previous year. The work was done despite material shortages and crowded switchboards.

At the end of 1946 Southwestern Bell had 22,867 rural telephones in service and an additional 13,259 customer-owned telephones were connected to the company's switchboards in the state.

Total rural telephones in Kansas, served by all telephone companies operating in the state, showed a marked increase from 1940-45, reversing a previous downward trend. According to U. S. census figures, farms with telephones in Kansas increased 14.6 per cent in the 5-year period, from 79,666 to 91,299, despite wartime curtailments. The census figures show that 64.7 per cent of Kansas farms had telephones in 1945, compared with 50.9 per cent in 1940.

Southwestern Bell's 1947 farm telephone program in Kansas calls for 6,000 new rural telephones.

Many Projects Under Way

Large-scale rural telephone projects are either complete, well under way, or definitely scheduled for this year in some 25 Southwestern Bell exchanges in Kansas, Stoker stated. Many of these rural telephone projects, he emphasized, are engineered on the basis of providing modern, lift-the-receiver service, with a maximum of 8 parties on a farm telephone line, and divided ringing arrangements. This way, only half—or in some cases only a fourth—of the telephones ring at any one time.

The 1947 program includes major rural telephone construction projects in areas served by the following Kansas communities:

Arkansas City, Augusta, Belleville, Chanute, Colby, Concordia, El Dorado, Emporia, Frankfort.

Harper, Hays, Hollenberg, Hoxie, Jewell City, Kingman, Leavenworth, Mankato.

Marquette, Minneapolis, Norton, Parsons, Phillipsburg, Salina, Smith Center, Stafford.

Plans for rural telephone development in Kansas are part of Southwestern Bell's 5-year program to bring 165,000 additional rural telephones to farms in the 5-state area in which the company operates. To provide this service the company plans a gross expenditure of \$30,000,000 in Missouri, Kansas, Arkansas, Oklahoma and Texas during 1946 to 1950, inclusive. Thruout the entire Bell system 1,000,000 telephones in rural areas are scheduled to be added in this period. Arkansas was the proving ground for "power-line carrier" telephone service in 1946. This type of service,

which employs power lines to carry telephone currents, was tried out at Brookland, Ark. Successful completion of this experiment paved the way for Bell system production of power-line carrier equipment. Several hundred of the 54,000 telephones Southwestern Bell expects to install during 1947 in rural areas of the 5 states it serves will be of this carrier type.

Basis of all rural telephone projects is the principle of "area coverage," Stoker emphasized. The rural area of an exchange is first surveyed, road by road, house by house, until every potential applicant for rural service is carefully located on a map. From the information obtained by this survey, preliminary engineering is done and the amount of equipment, such as the poles, wire and crossarms necessary to serve the potential telephone users in the area, is determined. House-to-house canvassers then make a thorough check of every potential customer, explaining the proposed service. When the canvass is completed, every one in the area to be served has had the opportunity to apply for telephone service. Following this, the amount of equipment—such as poles, wire, cross-arms, even up to dial equipment and switchboards—needed to serve them is determined and the project is engineered.

When an individual farmer applies for service, the telephone company will extend pole line and wire, without any cost to him, for one half mile or more, depending on the monthly rate. However, when rural lines are being built in a community, an even more liberal plan is followed, Stoker continued.

Here Is the Plan

"Briefly, the plan is to provide service in a neighborhood, with no extra charge to anybody, if the average amount of construction per subscriber does not exceed the construction allowance determined by the local rate. In other words, the 'lean' is taken with the 'fat.' This is 'area coverage,' a plan which will enable practically everyone in the areas served by the company to have good telephone service without a construction charge," Stoker stated.

"By the end of 1946, we had completed rural surveys in 315 of the 681 exchanges in our 5-state area. In the 315 exchanges, we counted 216,785 rural families and business establishments, of which 26.6 per cent now have telephone service. As a result of these surveys, we estimate that about 57 per cent can be expected to have telephone service when our program has been completed," Stoker added.

"Telephone company representatives visited 55,000 rural families in 1946 to discuss our plans for extending service in their communities and to find out whether they wanted telephones. About 30,000 of these families, or 55 per cent, told us they wanted a telephone."

In Memory of Those Who Served



THIS is the architect's drawing of the proposed All-Faith World War II Memorial Chapel to be built on the Kansas State College campus. It will be erected to the memory of the 5,000 K-Staters who served in the last war. The chapel will be an enduring spiritual symbol. At the same time, it will have use. Kansas State alumni, former students and friends of the college are invited to contribute to the memorial. Such gifts may be sent to Kansas State College Endowment Association, Manhattan, Kansas.

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Marketing Viewpoint

By C. P. Wilson, Livestock; George Montgomery, Feed Grains; Paul L. Kelley, Poultry, Eggs and Dairy.

The quotations on July wheat contracts look pretty high to me. Would it be advisable to contract new crop wheat for delivery in July?—W. L. A.

Quotations on new crop deliveries are high in view of prospects for a record crop. However, it should be kept in mind that we will have a small carryover of old wheat, and that requirements for export will be large again next year.

In the last 7 seasons, especially in the last 2, wheat prices have been sharply higher in the following spring than they were at harvest time. This may cause farmers to hold wheat and will encourage millers and other processors to fill their bins.

On the basis of the present parity price, it appears that the 1947 loan rate will be \$1.75 on farms or higher. This would be around \$1.93 basis Kansas City. It is not likely that prices at harvest time will be lower than the loan rate. If prices at which your local elevator will contract wheat are substantially above the loan rate, contracting your crop may be desirable unless you wish to hold the wheat until next winter or spring. If the contract price is above the loan rate by only a small amount, there isn't much to be gained by contracting.

When is the seasonal high and low in prices for stocker cattle?—D. W. P.

Prices of stocker cattle usually reach a seasonal high during late April and then decline to the seasonal low during late October. There is some variation between grades and in some years prices may deviate considerably from this general trend. This spring prices of stocker cattle are the highest on record. Since last November average stocker prices at Kansas City have advanced about \$4. These high prices probably will prevail until after the grazing season opens. There is little question but that stocker prices will follow a downward trend during the summer and early fall. The amount of the decline this year will depend on general demand conditions, the size of the feed crop, range conditions, and the extent to which producers attempt to cash in on this year's market.

I would like to have some information as to the number of hogs in the United States compared to other recent years. Do you think hog production will be profitable during the remainder of 1947?—E. L.

The number of hogs on farms on January 1 for recent years as estimated by the Bureau of Agricultural Economics is as follows: 1940, 61 millions; 1941, 54 millions; 1942, 61 millions; 1943, 74 millions; 1944, 84 millions; 1945, 59 millions; 1946, 61 millions; 1947, 57 millions.

Numbers in 1947 are smaller than for any of the war years but larger than during the 1930's. With the very great demand for pork and lard and with a relatively small supply of hogs, prices should remain relatively high at least until August. Hog prices will not necessarily hold at \$28 to \$30 but if they should average above \$24, hog feeding will be profitable.

Corn prices have advanced during the last 60 days and hog prices have declined during the last 30 days, but the feeding ratio is still quite favorable. Those now in the hog business should make good profits, but those thinking of buying in at present prices may find conditions less favorable by the time they have fat hogs to sell.

What are the prospects for turkey production during 1947?—M. O.

One of the big problems of the turkey producer at present is to decide how many turkeys he will raise during 1947. It is probable that turkey prices during the 1947 marketing season will not average as high as in the early part of the 1946 marketing season, unless some unforeseen change occurs in the demand situation. Feed costs at present are extremely unfavorable to the turkey producer. Some 214 Kansas hatcheries reported a production of only 336,000 poultlets during February compared to 900,000 last year and 15 per cent fewer turkey eggs in incubators on March 1 than a year ago.

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Today's Ford Tractors . . . and the future's . . . are tangible evidence that you and ourselves are partners in the business of producing more . . . at more value . . . for less cost.

Henry Ford II

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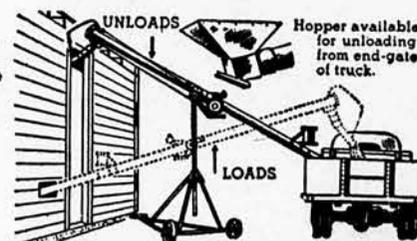
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Painting Is Her Hobby

By Florence McKinney

She says, "The views from my windows are made for an artist."

HOBBY, pastime, avocation, call it what you will, Mrs. P. H. Beebe loves to paint and paint seriously. And paint she does, almost every day . . . the longer the day, the better she likes it. So it has been with her since childhood; in fact she cannot remember when she was not interested in color. Fortunate for her that she has lived all her life on a farm where she finds colors in the landscape every day of the year.

We made an unexpected call on Mrs. Beebe, in her Johnson county farm home, and found all the usual painting tools, the easel, the paints, brushes, and partly finished water color paintings in her pleasant living room, ready for a day of steady painting. She says with feeling, "The views from my windows are made for an artist." So it is with creative artists. The urge to create is deep within them and with them always. She's happiest when the housework is done and nothing interferes with her chief interest.

Mrs. Beebe was in the midst of completing a set of water colors for a friend; birds in their local settings. The walls of her living room show the results of putting on paper the beauty of the big outdoors. Down from the attic she brought a large oil painting yet unfinished, just to show us. Oil painting she says, is tedious, so tedious that it takes days, sometimes weeks or months, to complete a single picture. She decided during our visit to finish the oil painting, a view of the canyon of the North Platte river near Encampment, Wyoming, where she has visited frequently.

One picture that took our eye was a farm scene which might be found in countless places on the Kansas landscape, quail in the snow. Lying on the worktable was a picture, a mocking bird singing in a magnolia tree.

Mrs. Beebe, whose children now live in homes of their own, has more time to paint than when they were tiny folks. She recalls the time that she was

forced to give up painting entirely when they were so small they got into her paints constantly. When china painting was popular, she was swept along in the somewhat fashionable, ladylike art of decorating the best set of china . . . the kind that now goes down from mother to daughter. So it was with textile painting which recently was introduced as a project into the women's extension clubs in the county under the guidance of Margaret Everhart, formerly of the Kansas University art department. Mrs. Beebe created designs for herself, her friends and her neighbors, painted them on household linens, curtains, dresses and blouses, scarfs, then gave them all away.

But serious painting has occupied almost all of her time, yet one must add that all this talent did not come naturally without training. When she was 18, she began taking lessons in Kansas City, with a private teacher. She painted for several years, but put her

[Continued on Page 17]

They Make Their Own Music

FINNEY county has up and coming rural people, both young and old. Their latest achievement is the organization of a homemaker's chorus and a 4-H Club band. The homemaker's chorus sang for the first time at the Farm and Home Conference at Dodge City, on February 14. During the morning session they sang "Thanks Be To God" and "Shortenin' Bread." During the afternoon at the women's assembly they sang "Perfect Day." Only recently the group organized, but already 27 members meet each Saturday afternoon in Garden City for rehearsals. Right now they are rehearsing for the annual spring tea which will be held on April 30.

The director is Mrs. J. R. Walker; the assistant director, Mrs. Frank Crase. Mrs. F. E. Cooper is accompanist and Mrs. Roscoe Allen, business manager. Recently they sang over radio station KIUL. Members are: Mrs. H. R. Shafer, Mrs. Ira Standley, Mrs. John Boyd, Mrs. Lynn Russell, Mrs. C. J.



Davis, Mrs. Florence Craytor, Mrs. Raymond Huffmaster, Mrs. Elmer Anderson, Mrs. Edgar Unruh, Mrs. Clyde F. Sheaks, Mrs. Frank Feldman, Mrs. J. K. Dunavant, Mrs. Alvin Lowe, Mrs. Earl W. Cook, Mrs. W. S. Sharp, Mrs. Ancel DeRemus, Mrs. Frank Lightner, Mrs. Harold Kleysteuber, Mrs. Ivan Earnest, Mrs. Robert Craig, Mrs. F. E. Crase, Mrs. J. R. Walker, Mrs. F. E. Cooper.

The young folks of Beacon Booster 4-H Club now have a band. They too, played at the Farm and Home Conference, over the radio and at the Finney County 4-H Festival. Lynn Russell and Mrs. G. B. Mayo, both adult leaders, have aided the young folks.

Members of the band are: Drum section, Pat Beckett, Romona Webster, Frances Russell; piano, Elizabeth Crase; saxophone, Jim Russell, Marilyn Russell; clarinet, Phyllis Landgraf; flute, Jane Bailey; piccolo, Gayle Worf; cornet, Julius Horning, Ralph Russell, Leota Palmer, Donald Unruh; trombone, Milo Sharp; tuba, Dan Crase. The director is Bob Darnes; assistant director, Dave Crase.

Above—Beacon Booster 4-H Club band made appearances at the Dodge City Farm and Home Conference and over the radio.

Left—The Finney County Homemakers Chorus, composed of 27 members belonging to 15 home demonstration units.

Upper right—Community leaders and executive officers of the Beacon Booster 4-H Club making plans for their next appearance.



The Effect Pleases



INSTEAD of using the conservative, conventional glass curtains the homemaker arranged colored glass on glass shelves. Some are antique, other pieces modern. Gay colors are her goal, whether old or new. Across the middle window are glass shelves and the outside light filters thru the myriad of colors. Small blue bottles rest on the upper sills of the 2 outer windows. Long, floor-length draperies frame the window trio. Curtains do not block out the outside view of lawn and fields, and the bright colors inside glisten as the sun streams in. The idea is different, yet practical.

Painting Is Her Hobby

(Continued from Page 16)

brushes away when the children were small. When the oldest son was 13, she again began to paint . . . this time in oils. And she went again for lessons with John Douglas Patrick, of the Kansas City Art Institute, the painter of the famous picture, "Brutality." Then came lessons with Austin Ketchum, Mildred Welsh and John Brought.

Three years ago she began with water colors and took some added lessons to improve her technique. Since that time, she has been painting almost continuously with water colors. They take less time, are completed sooner.

She has painted all her life for her own pleasure, but when some one has wanted to buy a picture, she has consented to sell. Hesitatingly she admitted to receiving \$250 for an oil painting.

Best of all, she likes landscapes, landscapes in her own Spring Hill neighborhood. She pointed out scenes on the walls of her living room, painted of views just over the hills in all directions. As a result of her travels, she has pictures of landscapes in Wyoming, Mexico and other sections of the Southwest.

A hobby such as this is no fad. A fad is something to do because other people do it. Doing something more positive than loafing in spare time gives one importance in one's own eyes and in the estimation of others. A friend who also loves to paint, whether it be kitchen trays or landscapes in the best manner, or who makes furniture in the basement workshop comes up in your estimation.

Mrs. Beebe says, "The thing to do with your spare time should give you keen delight." So it is with her, painting every day, creating scenes on canvas which she has retained in her mind, using soft colors; this to her is keen delight.

Kindred spirits get together as might be expected. She is a member of the Hobby Sketch Club, and once a month the group meets for a full day of painting and discussion. They go on trips to the Nelson Art Gallery and they listen to lectures. Like interests have drawn these creative artists together.

For Our Mothers

Since Mother's Day this year is May 11, it isn't too soon to be planning a tea or party to honor our mothers. We have a new leaflet which suggests plans for just such an occasion for an afternoon or evening party or for a Mother-Daughter Tea. The 7-page leaflet includes selected readings, contests and suitable refreshments. Please address Entertainment Editor, Kansas Farmer, Topeka, for a copy of the leaflet. Price 5c.

It really is important in their lives. We decided after our visit with Mrs. Beebe, that everyone should have a constructive hobby, even a seriously pursued avocation. It keeps one interested and interesting.

Raindrops, With Limitations

Fall on the onion tops,
Drench the fruit trees,
Gently spray the tender sprouts,
Wash well, the rhubarb leaves.

Spare not the cabbage heads,
Soak the new peas,
Forget about mom's washing white
A drying in the breeze.

—Camilla Walch Wilson.

To Remove Stains

Dark stains or spots on enameled table tops may be removed by moistening a cloth in a laundry bleach, dipping it in a good cleansing powder, and lightly scrubbing the spot.

Broom Support

For a homemade but good-looking broom support, screw 2 large wooden spools high on the middle of a door or other suitable place, just far enough apart to allow the handle to slip in. The broom rests on the spools.

For That Coffee Brew

Experts who score the morning bracer, coffee, have rather decided opinions about what makes good coffee. First choice seems to be the vacuum makers for both flavor and aroma. The cloth filter in a vacuum maker will produce a clear brew, the water is the right temperature when it comes in contact with the coffee, and the time of contact is only a few minutes. These are the things that make the best coffee.

The old-time coffeepot can produce an excellent beverage very simply if the coffee is tied loosely in a cheese-cloth bag, then put into a pot of water, just below the boiling point, and held there for about 5 minutes.

The drip method is ideal in theory, but in some drip makers the coffee is not evenly exposed to the water and some of the filters are too coarse, thus making the coffee cloudy.

The chief difficulty with percolated coffee is the matter of time. Too much or too little percolating both result in poor coffee. Any coffeemaker should be washed thoroly with hot suds to avoid a stale flavor. And the cloth filters of vacuum makers should be washed well after each use and boiled occasionally.

YOU JUST CAN'T BEAT BUTTER-NUT FOR FINE FLAVOR



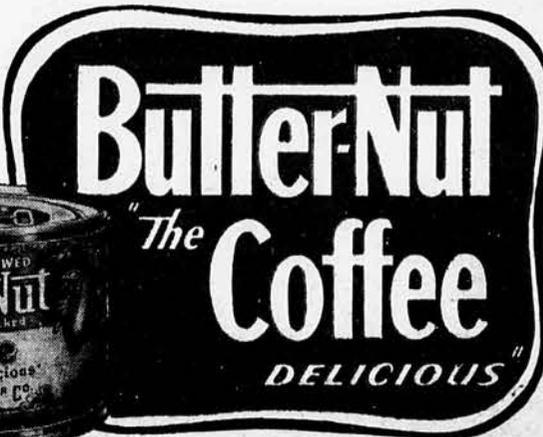
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Farm folks like coffee with lots of fine, rich flavor and plenty of body. That's why Butter-Nut is the great farm favorite. It has the world's best flavor because it contains the world's best coffees, specially selected for the Butter-Nut blend. Absolutely NO second choice coffee ever goes into Butter-Nut.

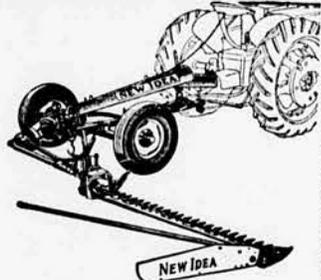
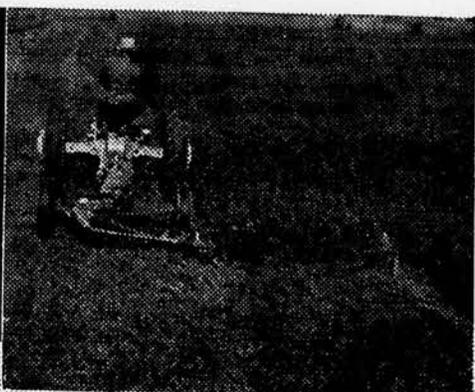
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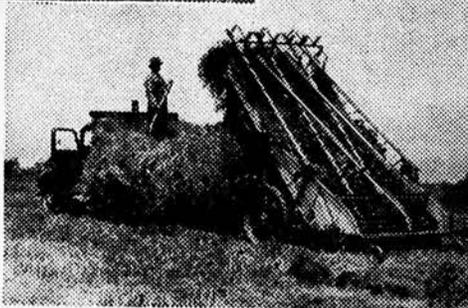


BUTTER-NUT GLASS JARS ARE REAL FRUIT JARS. SAVE THEM

NEW IDEA Haying Machines

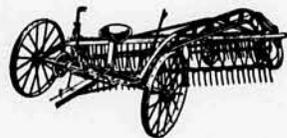


A mower that works with any tractor having standard A.S.A.E. take-off and draw bar. Quick easy hitch. Many unusual features. Completely power operated. Cutter bar raised and lowered by power.

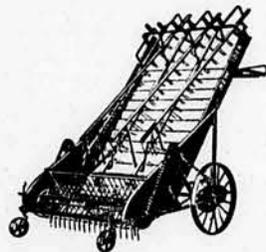


designed to save HIGH FEEDING VALUE

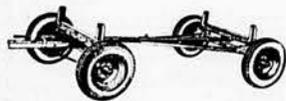
Tender crinkly leaves, rich in protein—bright natural color that indicates vitamin potency—soft texture and appetizing fragrance—farmers know that hay which retains these characteristics is a truly high grade feed. NEW IDEA Haying Machines are specifically designed to save more of this nutritional bounty for your mow.



A side delivery rake that can be reversed for tedding. Famous for its self-leveling, flexible, spiral reel; patented double-curved teeth; quick shift wheel spacer and many other desirable features.



A cylinder-pushbar loader that builds big high loads easily. Handles heaviest windrows without jamming. Direct-action cylinder; yielding closed deck. Picks up clean, saves valuable leaves and short pieces.



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Spring Styles Are Here



4766
SIZES
10-16

4503
SIZES
14-20
32-42

4766—Teen-age frock and hat. Includes pinafore ruffled version. Sizes 10, 12, 14, 16. Size 12, 2 1/4 yards 39-inch material.

4503—This smart frock has side buttons for convenience. Sizes 14, 16, 18, 20, 32, 34, 36, 38, 40, 42. Size 16, 3 yards 39-inch material. Embroidery transfer included.

9224—Two dresses with panties. Make either covered up or bare. Sizes 2, 4, 6, 8. Size 6, 1 1/4 yards 35-inch material; 1/2 yard contrast.



9224
SIZES
2-8



9278
SIZES
12-20

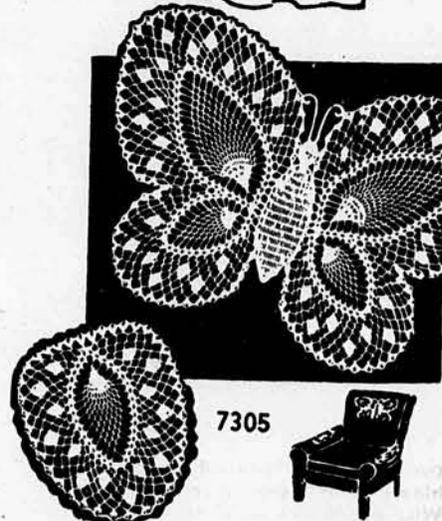


7491

9278—Here is a modern two-piecer. Make several dickeys for variety. Sizes 12, 14, 16, 18, 20. Size 16, 2 1/4 yards 54-inch material; dickey 3/4 yard 35-inch material.

7491—Embroider these puppies on kitchen towels, one for each day. Easy embroidery. Transfer of 7 motifs about 5 1/2 by 8 inches.

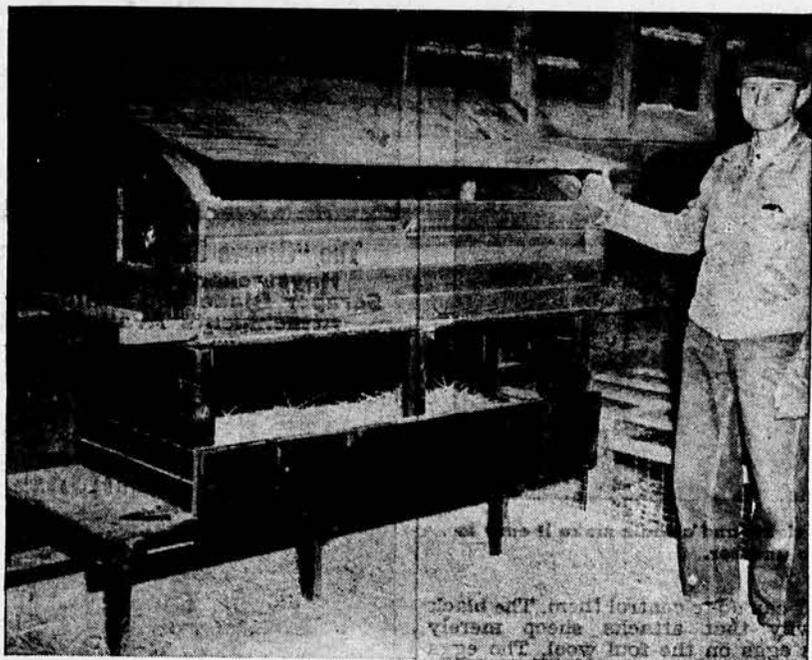
7305—Three crocheted pieces for the butterfly. One for the body and 2 identical ones for the wings. For chairs, buffet and vanity.



7305

Twenty-five cents for each dress pattern, 20 cents for each needlework pattern. Send orders to Pattern Department, Kansas Farmer, Topeka.

Compartment Nests Mean Less Egg Breakage



These double-deck compartment nests save space. They mean less breakage and cleaner eggs. W. S. Bird, Rooks county, holds the top door open to show construction of the nest. The White Leghorn layer pecking out at the left side wondered what was going on, but did not leave when the door was opened.

COMPARTMENT-TYPE nests mean less egg breakage, according to W. S. Bird, Rooks county. As a result, eggs are cleaner. Pullets like them better than ordinary open nests and fewer eggs will be found on the floor and roosts.

Mr. Bird built a new 20- by 32-foot Kansas-type laying house in 1945, installing droppings pits and compartment-type nests at the same time. He likes droppings pits. They save a lot of time and the room is not wasted. He emphasizes the room-saving point by indicating the number of layers on the roosts in midday.

The recommended size of compartment-type nests is 2 feet wide, 10 feet long, dividing them into 2 compartments. Mr. Bird found this size would be difficult to handle in his laying house, so he built single compartments 5 feet long. To get necessary nesting space, he put one compartment on top of another. These nests are easier to arrange in a small laying house, he points out.

He crosses his White Leghorn pullets with Australorp roosters. For these Austra-White hatching eggs he gets 15 cents above market price. He prefers

the cross because of a longer seasonal demand for these eggs.

This winter his 175 pullets have been producing about 60 dozen hatching eggs a week. In addition there are always a few eggs not suitable for hatching but good for table use. His flock reached a high degree of performance during the winter, producing from 110 to 180 eggs a day.

Rye Saves Feed

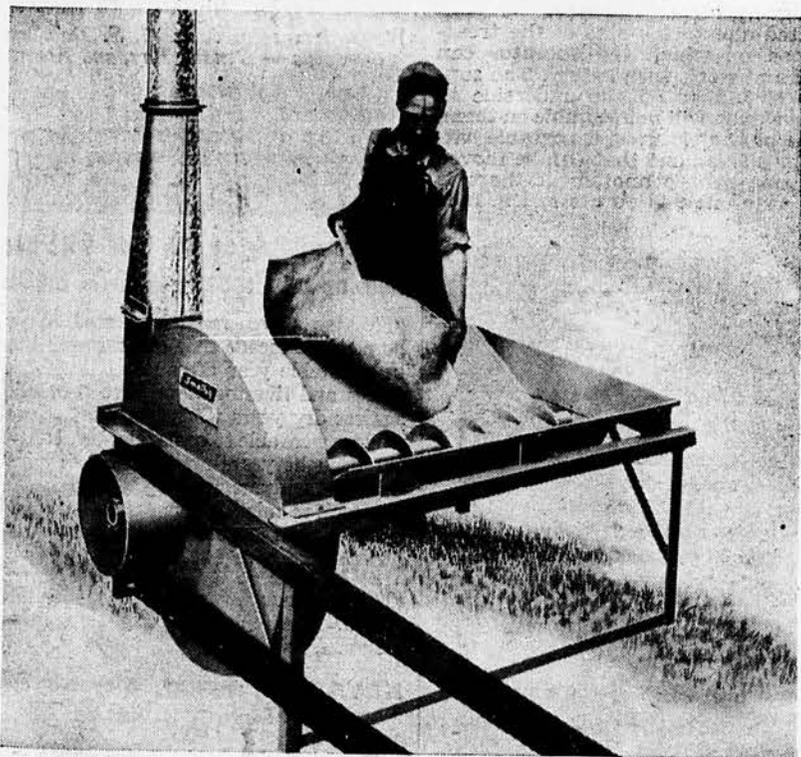
A fertilized field of balbo rye saved a lot of hay and feed last fall for John Mueller, Allen county. From an 11-acre patch he got 25 days of pasturing for his herd of 19 Guernsey cows.

When the cows were on pasture they ate only 2 bales of alfalfa hay compared to 10 bales when off the pasture. At the same time, he says, his cows would only eat half as much grain as he usually feeds them.

The field had been in sweet clover. The rye was seeded at the rate of 2 bushels and fertilized with 50 pounds of 63 per cent phosphate to the acre.

Mr. Mueller likes the results so well he intends to try an application of phosphate on a 40-acre native pasture.

Handles 20 Tons an Hour

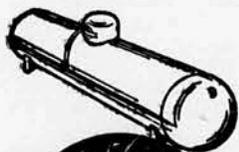


Grain, silage or chopped hay get a quick lift into storage with the Smalley auger blower. This machine, made by Smalley Manufacturing Company, Manitowoc, Wis., handles up to 20 tons an hour and elevates 60 feet. In combination with a forage harvester it can make silo filling a 1-man job. This blower has only 1 moving part—the auger combined with a 6-fan blower. Feed dumped into the wide-flange hopper is fed evenly into blower by the auger. Revolving tines prevent clogging at the blower throat.



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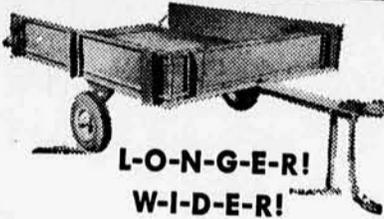
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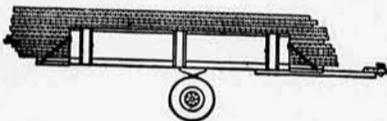
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MANY PURPOSE
all steel
TRAILER



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TIMKEN BEARINGS. Independently sprung wheels—standard width tread with low priced, high speed, wide base tires. Tires are easily accessible. Spare wheel and tire available as optional equipment.

The Stahmer Trailer holds 900 lbs. which can be doubled easily by adding two more wheels. Complete with tires, the Stahmer weighs 420 lbs. The sturdy Stahmer will amaze you with its many unusual features.

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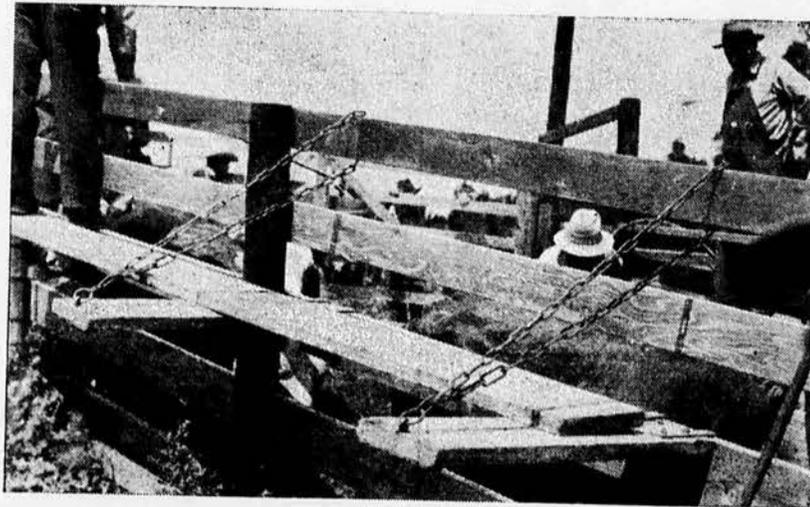
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 A speedy digger with ALL features. Installed by one man in less than 5 minutes. No belts, chains, cables. No stripping down tractor. Operated from seat. Digs up to 18" dia. hole, 30" deep even through shale, 3" sand stone. Adjustable to dig straight on rolling land. Steel enclosed double end bearing shaft cannot bend. Easily replaceable safety shear pin. (Available for Ford Tractors with Ferguson System only.)
\$125.00 FOR FACTORY
 FOR DETAILS WRITE... **ROPER MFG. CO.**
 214 WALNUT DRIVE ZANESVILLE, OHIO

Flies Must GO This Summer

By E. G. KELLY, Kansas State College



The portable catwalk; the short board with 2 cleats and a chain make it easy to haul from one pen to another.

THERE are many kinds of flies on the farm and in the city. There are only a few kinds we know that cause trouble. And they are the ones we shall go after with DDT, spraying the livestock for biting flies, and the walls of buildings for the others.

Hornflies are in for another drubbing this summer. During the summer of 1946, there were more than 1 1/2 million head of cattle treated with DDT to protect the animals from hornflies and lice. That was about half the cattle population in Kansas for that season of year. There were about 160 power-spraying machines in operation, and numerous hand outfits were used to treat the cattle. Results of the treatment with DDT were very satisfactory. This means that all farmers who sprayed cattle in 1946 will spray again in 1947, and practically all the neighbors will join them.

The stable fly caused considerable discussion in 1946. Cattle sprayed with DDT were not protected from that kind of fly. Therefore, many farmers believed DDT was not doing the job.

Stable flies got a new name from the farmers last summer; they called them the "leg" fly. That name was somewhat appropriate for the stable flies, because they did attack the legs of cattle so viciously that the cattle got into huddles. The stable flies would stick to the legs until the cattle entered the barns; then they would fly to the walls. The flies not only alighted on the inside walls, but many of them alighted on the outside walls.

Houseflies Spread Germs

Houseflies were on the cattle at all times lapping up any kind of liquid they could find. These flies were on the walls of the barns both inside and outside. They were especially numerous about the milkhouses and manure piles. The houseflies do not bite the animals, but they do spread all kinds of germs and filth about the dairy barn.

Blowflies that attack dirty sheep, and screwworm flies should be mentioned, but there is very little that

DDT can do to control them. The black blowfly that attacks sheep merely lays eggs on the foul wool. The eggs hatch into maggots that feed on the wool and flesh causing much damage, and too frequently the death of the sheep. Keep the sheep clean and treat infested wounds with benzol.

The screwworm fly is another fly that lays eggs on the animals. They usually select a new and bleeding wound and lay a big nest of eggs beside it. The eggs hatch into maggots that drill right into the flesh and often cause serious damage. These maggots are called screwworms and are readily killed by the application of smear 62. DDT sprays are not effective in killing the screwworm flies, for they may lay their eggs on sprayed animals and not get a lethal dose, and the maggots do not get into the DDT.

Hornfly Is Problem

The hornfly is the main fly problem. And to do a good job of combating it this summer, farmers will have to build some strong pens in which to treat the cattle. The pictures show some good-type pens. The treating pen should be about 10 to 12 feet wide and not more than 20 to 25 feet long and constructed of 2- by 12-inch stout boards. The holding pen could be constructed of 2- by 6-inch boards bolted to heavy posts or spiked to the post with 40-pennyweight nails. The boards should always be on the inside of the posts.

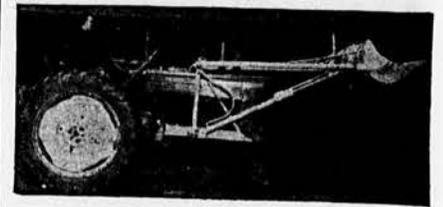
Holding pens may be constructed of wire with one or two boards near the top as guides. Poles can be bolted to stout posts to make a good treating pen.

A good catwalk should be constructed along each side of the treating pen on which the operator can stand and work with safety. The supports should be on the underside so the workmen will not stumble on them. In one of the pictures, a portable catwalk is shown, one that can be moved from one pen to another if there is more than one pen on the ranch. It is



Good pens with gates fitted for easy handling of cattle.

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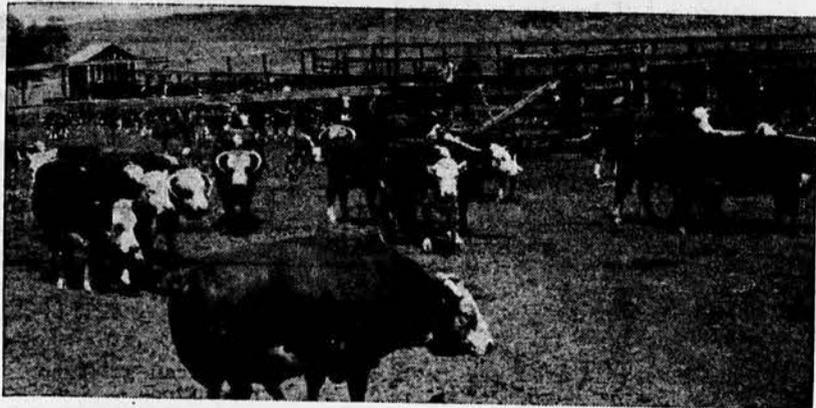
"Keeping three sons interested in the home place means that our farming must be profitable year after year. With good fences and livestock, we have protection against dry years when crops fail. That's why we were able to come out ahead during the drought years and pay off the farm debt — without robbing the soil. Yes, livestock is mighty important — and this calls for good fences."

RED BRAND Fence Sure Lasts

"Most of our farm is fenced with Red Brand. It sure lasts, costing less in the long run."

KEYSTONE STEEL & WIRE CO.
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Holding pens made of good wire with boards at top are efficient.

best, however, for every pen to have its own catwalk.

Gates may be placed to make openings into several lots for convenience in handling cattle. One end of the treating pen may be made narrow at one end to fit into a chute. The chute may be used for treating with the underline spray, and it may also be fitted with a holding gate for dehorning, application of vaccine, and other operations. The loading ramp may also be fitted to the end of the chute. Farmers and cattlemen thruout Kansas are urged to build treating and holding pens this spring.

Observations on hornfly control during the last 2 seasons indicate that every man, whether he has one or a thousand animals, will want to treat them this summer. The power sprayer that develops 400 or more pounds of pressure will do a better job.

The 3-gallon, compressed-air sprayer will get the job done if the operator will take enough time and keep the powder well mixed. During the last 2 years, it has been observed that 4 pounds of 50 per cent wettable DDT well mixed in 100 gallons of water, and applied at the rate of one gallon to the average full-grown cow, will get the best coverage. The 4 pounds to 100 gallons is enough in most cases; it will last 15 or more days. Several operators used up to 8 pounds of 50 per cent wettable powder to 100 gallons. They believed the treatment lasted 5 to 8 days longer than the 4-pound mixture. It was quite apparent that the 8-pound mixture was more effective in killing lice. It must be remembered that in treating lice, the animal must be treated the second time in 12 to 14 days and not later than 15 days.

Urge Stronger Solution

We are urging the sprayer operators to use 50 per cent wettable DDT for all hornfly and lice control spraying in 1947. The time to apply the treatments will be just as soon as the first hornflies show on the animals. The bull is a fairly good indicator. When there are 25 hornflies on the cows and steers, they should be treated. The cattle should be watched at about the 15th day after first treatment, and then as soon as there are 25 hornflies apply the second treatment. The third and fourth treatments are on the same basis.

A 3-gallon compressed-air sprayer is usable for a few head of cows and calves. This machine is fitted with a short hose, short rod, and one nozzle. It will develop about 50 to 60 pounds of pressure. The 3-gallon tank should be filled two thirds full of water; the other space is for the compressed air. For the 2 gallons of water in this tank, use 2½ ounces of 50 per cent wettable DDT. The powder should be wet in a

small amount of water, dumped in, and stirred with a good hardwood paddle. When the powder is well mixed, the pump should be attached quickly and pumped to full capacity. Apply the spray as quickly and evenly as possible. The tank should be up-ended frequently to keep the powder mixed. Just as soon as the pressure decreases, the even spray will cease; then the pump should be used again. Take plenty of time and apply about one gallon to each cow.

Stable fly control is another problem. It is one of treating the walls of the barn and getting the cattle into the barn. The flies must be made to leave the cattle and alight on the treated walls. That means the inside and outside walls of the barn should be treated with DDT. The DDT may last quite a bit longer on the inside walls of the barn, but it is essential that the outside walls near the doors be treated. DDT on the outside will not last more than 2 or 3 weeks; therefore, treat again if there are stable and houseflies bothering the cattle.

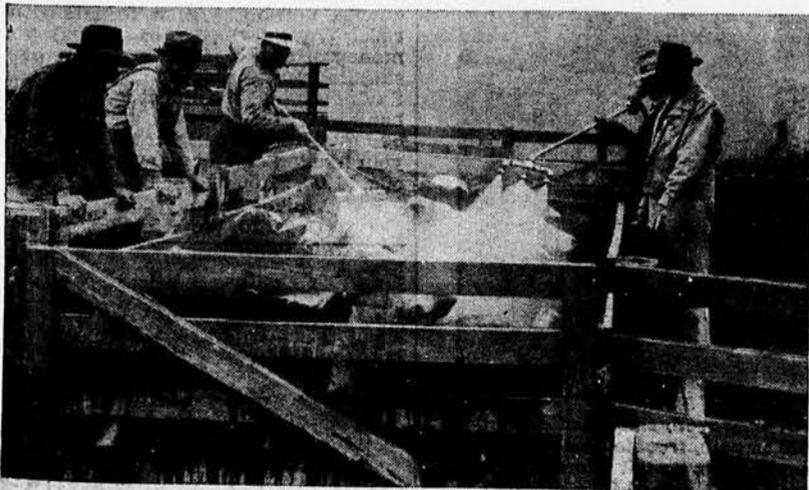
Throws Even Spray

Best way to apply DDT to the walls of the buildings is with the 3-gallon compressed-air sprayer. This machine will throw an even spray and give the operator time to walk about the barn and get the walls and posts covered.

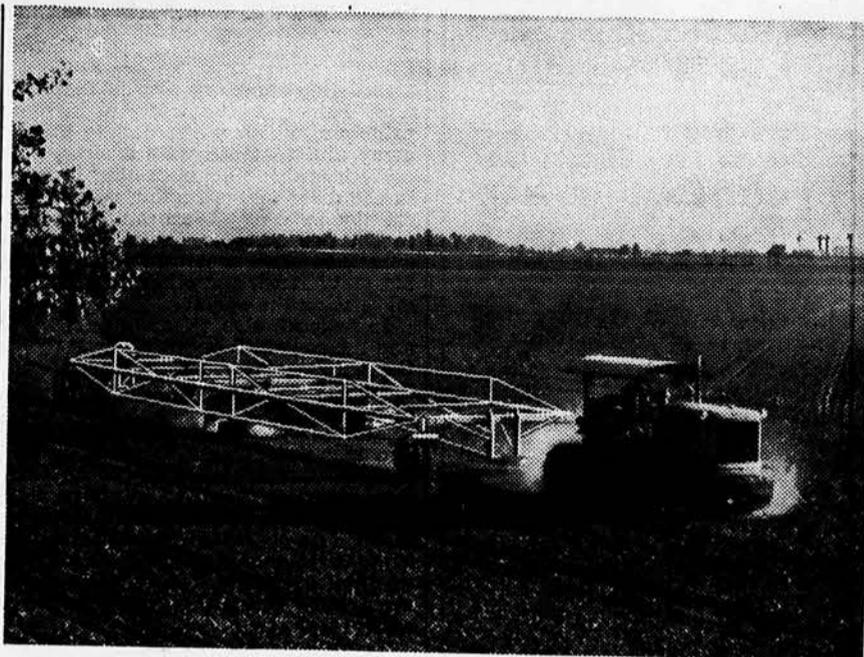
The compressed-air sprayer will not handle more than 2½ ounces of the powder in 2 gallons of water. If more powder is put into the machine, it will clog and not be efficient. The 2 gallons made with 2½ ounces will cover about 500 to 800 square feet of surface, and that is about all the surface one should try to cover. The 5 per cent DDT in oil (kerosene) can be handled in an excellent manner in the 3-gallon compressed-air sprayer. One gallon of the 5 per cent DDT in oil will cover about 1,000 square feet of surface. DDT oil emulsions may be diluted to 5 per cent by mixing in water and applied at the same rate. The compressed-air sprayer will handle the oil mixture readily for there is no trouble in the mixing. The oil DDT should be used only where there is no danger of fire. The oil mixtures must not be applied to animals.

Inside walls of barns and other buildings should be treated with care so none of the DDT will fall into the troughs, feed bunks, or on any kind of milking machinery, milk cans, or cattle feed.

These are the 1947 goals for Kansas: Two million head of cattle DDT treated; also, all horses used on the ranches; and all stock barns, cow barns, hog houses, poultry houses, and other outbuildings on 75,000 farmsteads to be treated with DDT for fly control.



The 6-foot spray rod having a trigger cutoff at the hand, fitted with a 3-nozzle broom, gives quick and efficient coverage.



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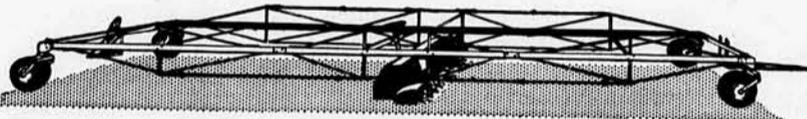
The Pacific Groundplane solves the uneven seedbed problem!

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(Photo courtesy John Deere Plow Co.)

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New Machines on the Farm

(Continued from Page 10)

trend. One company also is featuring a plow share on the safety razor blade principle, which when dull is thrown away and replaced with a sharp one.

With mulch tillage gaining in favor in the drier plains region, more interest also is being shown in new subsurface types of tools. These loosen the subsoil to allow moisture to penetrate, but leave straw and other crop residues on or near the surface.

In general, also, with both disk-type and the conventional moldboard plows, the tendency is to build them for mounting on the tractor as an integral part of the power unit.

Another recent development in tillage machines, involving entirely new principles, may be seen in the once-over rotary types of tools. These combine plowing, disking, and harrowing in a single operation. It is conceivable that, if these machines should be adopted on a large scale, they might materially change farming methods and practices.

There are several different makes in different sizes. In general, they make use of a spiral or auger blade or tines to break up trash and mix it with the soil which is pulverized to a fine seedbed. Further testing and use of these tools under controlled conditions will be necessary to determine effects of such tillage on soil structure and crop yields before their place in farming is fixed. So far such tillage tools have found their greatest usefulness on small tracts and in seedbed preparation and cultivation of vegetables and specialty crops.

Advances Are Being Made

With some farm crops, planting to a desired stand is still a major problem in mechanized production. In fact, poor planting has sometimes been a stumbling block to mechanization of other operations, as it is impossible to fill in a poor stand once it is established. Cotton and sugar beets are good examples. In the past it has been common practice to drill the rows and later chop out or thin by hand to the desired stand. Mechanization of both these crops is now getting attention and advances in planting methods are being made.

With beets the planting problem has been partially solved by development of single-germ seed planting. It is estimated that 85 to 90 per cent of the commercial acreage of this crop is now being planted with planters equipped with plates to handle the single-germ or segmented seed. In the case of cotton, hill-drop planters are coming into wider use. With both crops where the seed is drilled in the row some farmers are now using mechanical choppers or blockers to reduce the stand to the desired spacing.

In planting all crops the trend is toward increased speed, and in some cases combining final preparation of seedbed, planting and fertilizer placement in a single operation. A new 2-row corn planter now on the market is equipped with an automatic lift. By

the touch of a lever it drops into or out of planting position, with planting starting or stopping automatically. Two- and 4-row drawn planters with rope controls for speed planting up to 6 miles an hour also are available. Grain drills likewise are being designed for faster seeding and are coming into quantity production this spring. One such drill, field-proved by limited production and use during the last 5 seasons, does an accurate seeding job at speeds as high as 6 miles an hour.

With more farmers using commercial fertilizers on many crops, often in large quantities to obtain high yields, proper placement has become important. Experiments in many states on a wide variety of crops have shown that the right placement of these plant food materials with respect to seed, seedpiece, or transplant, may mean the difference between a record crop or a partial failure. As a result of these experiments, manufacturers now provide fertilizer attachments that will enable producers to place the fertilizer in the best position, which with many crops is at the side of the row. Grain drills likewise are similarly equipped for distributing fertilizers. Latest developments of this kind are attachments for placing fertilizer on the plow sole at plowing time.

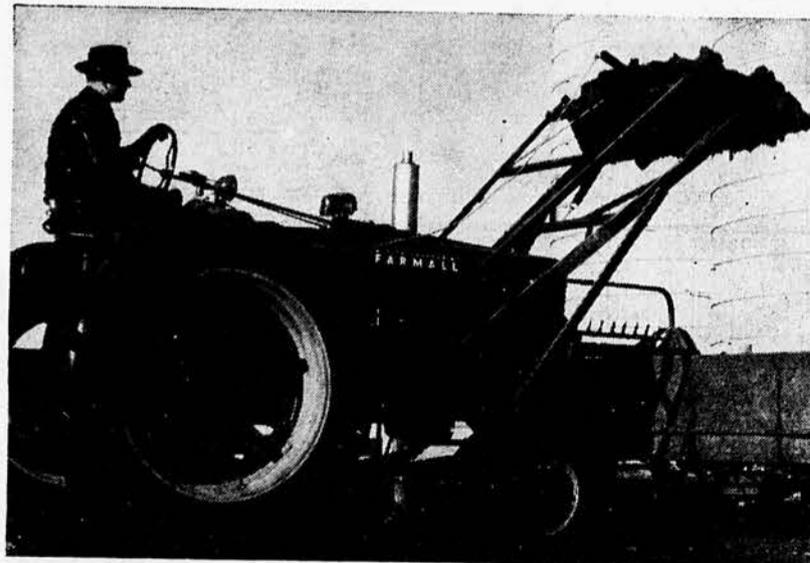
Used With Success

In cultivation and weed-control equipment the newest developments are machines that use flame or chemicals to kill weeds without disturbing or damaging the crop. On cotton and sugarcane, and in some areas with corn, the flame weeder has been used with considerable success. The machine uses hot blasts of flame from burners similar to a plumber's blowtorch to kill weeds while still young and tender as the equipment is drawn along the row. Both bottled gas and distillate are used as fuel. Crops must be large enough to have stems toughened to stand the flame. In cotton the same principle is being used to thin the crop to a stand. The flame chopper uses a wheel arrangement of box-like shields to protect the plants to be saved, while those in the intervening spaces are killed by the flame.

In chemical control of weeds equipment now used in most cases was designed for other purposes. One such machine being used in the new practice of controlling weeds in small-grain fields with 2-4,D is a long boom-type sprayer with pressure pump. As this method is further developed and more is learned about 2-4,D and its limitations, it seems certain new types of applicators will be developed, either for ground applications or for airplane spraying. As a result of the development of DDT during the war, there also have been many changes made in crop dusters and sprayers. Such equipment for airplane use is now available that makes it possible to get effective control of corn borers and some other insect pests with as little as a gallon of

(Continued on Page 23)

Releases Load at Any Height



Here is the new Jayhawk hydraulic loader. Of improved, simplified design, it has bridge-type, welded-steel construction, and smooth, trouble-free operation, according to the Wyatt Manufacturing Company, Salina, Kan. It takes just a few minutes to attach or detach. Fingertip control releases the load from any height, putting it right where you want it. Company officials say it has 101 jobs, from moving dirt to pulling fence posts.

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THE NITRAGIN CO., INC.
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New Machines

(Continued from Page 22)

concentrated spray to the acre. High-velocity ground sprayers and dusters that do an effective job even at high speeds also are available. Another new machine in this same general line still under field test is designed for application of the new soil fumigants for nematode control.

On every livestock or dairy farm one of the heavy burdens has been handling manure so as to conserve its value as fertilizer. Manure spreaders now are much lighter and require less power to pull. They come in many sizes, and some can be quickly converted to serve as tractor trailers. One spreader recently placed on the market delivers the material from the front end. Another is designed to haul liquid manures, thus enabling farmers to save plant nutrients formerly lost. Development of tractor-operated loaders also has helped to simplify the job of keeping the barn clean. Both hydraulic and mechanically operated loaders are available. Some are provided with hay loader and stacker or other lift attachments. One newly developed loader has a hydraulic push-off.

Second Crop in Value

Hay-making methods in many parts of the country now are undergoing a virtual revolution as a result of new machines and equipment. Hay is this country's second most valuable crop. In recent years almost 75 million acres have been devoted to it annually. Hay-making practices range from the most primitive hand methods to complete machine handling. One industry representative has made a list of 41 methods and variations of putting up hay that are in common use in some areas.

Among newer methods resulting from machine developments is field chopping for silage or dry feed. Some new choppers are multiple-purpose machines. They can be equipped with cutter bar and reel for field chopping of standing green hay or grass for silage. The cutter bar can be replaced with a pickup attachment for chopping partially cured hay from the windrow. Another attachment converts the same machine into a field ensilage cutter for corn, sorghum, or similar standing row crops. The same blower is used to put the chopped material into either silo or barn as may be necessary.

Farmers have become increasingly aware of the losses of hay that occur each year as a result of weather damage. The field-chopping method has helped to cut down on time in the field. Pickup balers also reduce the time from field to mow. The latest in balers are one-man automatic types. A new type now in quantity production uses wire ties and makes a conventional bale. Some others make rectangular bales with heavy twine ties.

Also in some the hay as baled is cut into slices convenient for handling. One new baler rolls the hay into a round bale with a twine tie. Some balers are being equipped with improved dust removers. A slide-type loader on one automatic baler makes an easy job of loading the bales. Separate pickup bale loaders also have been developed.

Harvesting always has been one of the heaviest jobs in making a crop of hay or any other commodity. The farm-equipment industry has devoted much of its effort and genius to this phase of farming. Some of the new harvesting machines already have been

described. Harvesting equipment continues to improve.

During the war the combine was self-propelled for the first time. The initial machine of this type was manufactured in limited numbers in those years but will now be readily available. Since the first one appeared other self-propelled combines have been developed. Built with the cutter bar in front and the operator at the top and front for a clear view of both field and functioning parts, these combines make it possible to open a field without a back-swath, and enable green patches to be by-passed for harvesting at a later date, thus avoiding losses of grain.

In corn-harvesting equipment several innovations have recently been developed. Just coming on the market in numbers to be readily available, for example, is a new 2-row, lightweight, tractor-mounted corn picker with a straight-thru picking unit. It is reported that this picker can be mounted on the tractor by one man in 15 minutes. Another new corn picker is self-propelled. Developed primarily for use where the corn borer is present, but finding a market in other areas also, is a corn-picker shredder. It not only picks the corn but also chops or shreds the stalks so that when turned under the organic matter is quickly assimilated in the soil. Farmers using this machine find the shredded stalks good for livestock bedding. In corn-borer areas reduction of the stalks by shredding destroys many of the borers that otherwise might pass the winter in the crop debris. Another manufacturer is making a 2-row combination sweet corn and field crop picker-husker.

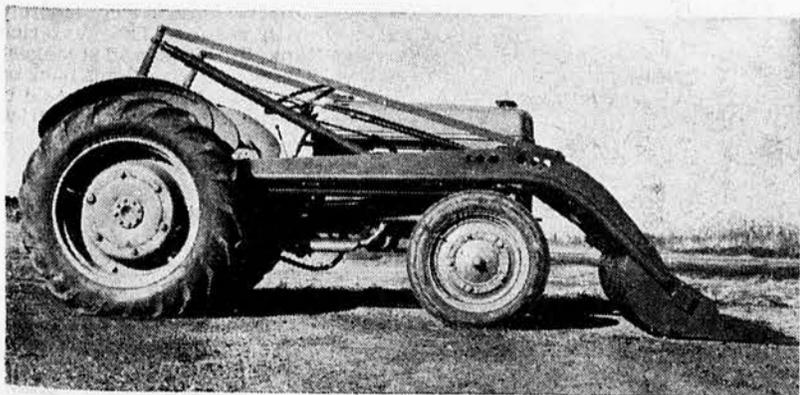
Much effort has been devoted in recent years to development of harvesters for other crops, for which mechanization has been slow. One spindle-type cotton picker has now reached the point where it is commercially feasible and is being marketed in limited numbers. Another new 2-row, once-over or stripper cotton harvester also is available to increase the choice in this field. Sugar beet harvesters of several types have been developed and are being used in increasing numbers. One manufacturer provides a harvester that tops, lifts, cleans, and windrows the beets in one operation, and a companion pickup machine to load them from the windrow. One makes use of a sorting table in separating beets from clods in heavy soil.

A new peanut harvester that digs, shakes, and piles the peanuts in a windrow promises to eliminate a lot of back-breaking hand labor on this crop.

Are in for Relief

Potato growers also are in for relief from the heavy work of digging. It has not been easy to develop a potato picking harvester as a machine cannot tell a potato from a rock. Now, however, a combine has been developed that passes the potatoes over a strong blast of air that causes the potatoes to roll off into barrels while the rocks, being angular, are carried off the table and back onto the field. Another machine with a conventional digger has 3 conveyors on a trailer, the center one carrying the dug material from which workers pick out the potatoes and place them on the 2 smaller conveyors which deposit them in sacks. Still another digger attachment passes the potatoes, stones, and dirt over a series of rollers for separation and cleaning, the vines and other material having first been removed by workmen as they pass over a conveyor.

Has Attachments for Other Jobs



Here is the Ford hydraulic loader, a twin-cylinder, hydraulic machine presented by Horn Manufacturing Company, Fort Dodge, Iowa. It has the following attachments: Horn scoop, Horn bulldozer blade, Horn hay buck, and the Horn hay boom. It features balance lift and streamlined design.

FARMERS CRIB UP TO 700 BUSHELS OF CORN FROM ONE BUSHEL OF PIONEER

So much depends on each bushel of seed corn you plant that every bushel of it should be the best quality you can get. Because of its SUPERIOR QUALITY—it is not unusual to crib up to 700 bushels of sound quality corn from every bushel of PIONEER.

PIONEER'S Superior Quality comes from 35 years of skillful corn breeding, from careful and strict detasseling, from a properly manned and a well-equipped seed plant, from constant research in all phases of production.

PIONEER'S SUPERIOR QUALITY is why it comes up strong in the spring—why it stands the torments of the weather—why it delivers tremendous yields and EXTRA PROFITS.

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May be moved forward.



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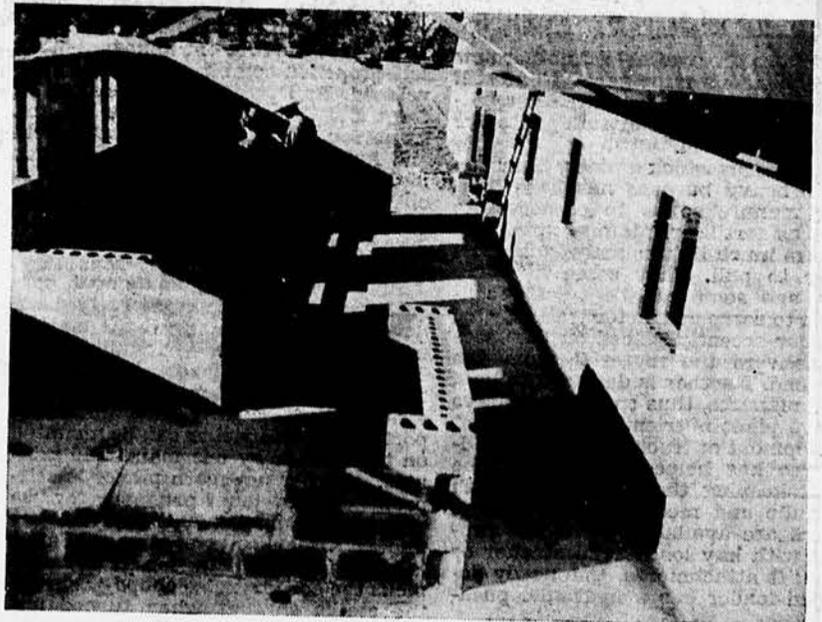
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Perrin Machine Company, Peabody, Kan.

Fire Damage Was Heavy

Will Not Get Another Chance Here



Looking down inside the partially completed milking parlor, showing arrangement. Milk room is in immediate foreground, with feed room in between it and milking parlor. The 2 rooms are connected by an alleyway. Mr. Brinkman, right, is showing the building to C. L. Eystone, Montgomery county 4-H Club Agent.

NO MORE chances on fire are being taken by Herman Brinkman, Montgomery county farmer, after his experience of August 3, this year. On that date lightning struck his 60-by 74-foot barn, destroying it. With it went 7 head of breeding ewes, 2 4-H baby beef calves, a number of chickens, one work team, a pony, 20 bushels of wheat, 500 to 600 bushels of oats, 300 bales of hay, and 800 pounds of commercial steer fattener.

The barn also had been used for milking, but Mr. Brinkman was ready to expand his herd from the present 15 cows to 25. He immediately got busy on construction of a fireproof grade-A milking parlor and milk room and a fireproof loafing shed. The milking parlor is of concrete blocks and the loafing shed of concrete blocks and corrugated aluminum. As soon as the new setup is ready Mr. Brinkman will change over from production of grade-

C milk to production of grade-A. The feed room in the new building will be located between the milking parlor and the milk room to save labor in feeding. Over-all size of the building will be 16 by 40 feet and the loafing shed will be 20 by 50 feet. The herd is composed of grade Milking Short-horns.

Get Fat on Barley

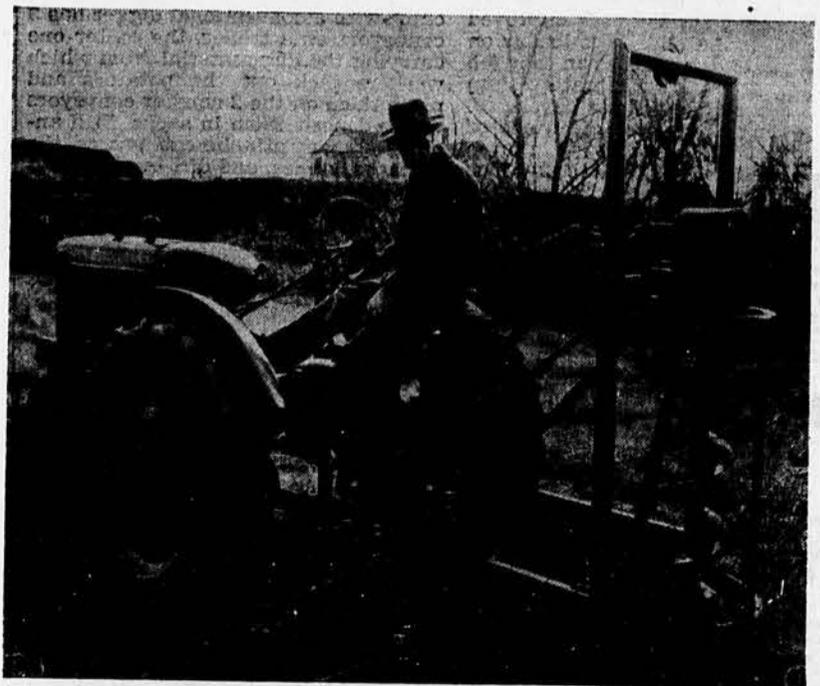
A 34-acre patch of Reno barley provided more than a month of good pasture last fall for 47 head of big cattle on the Willis Wilcox farm, in Linn county. And the cattle got fat on it. The barley field is adjacent to a state highway. His herd of Herefords grazing on this green pasture caught the attention of many motorists.

But there is more than just pasture, Mr. Wilcox points out. He will have several litters of pigs this spring and he expects the barley to provide much of the feed for fattening the hogs.

There is good reason why this field of Reno barley produced excellent pasture. He had seeded it to sweet clover every other year the last 6 years. After harvesting a sweet clover seed crop last summer, he one-wayed the field and later double-disked before seeding at the rate of 1 bushel and 3 pecks to the acre. The barley was sown early in September and was fertilized with 50 pounds of 45 per cent phosphate to the acre.

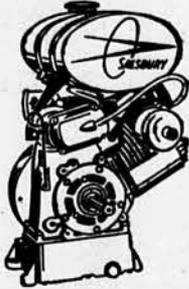
Between mankind and starvation is a thin layer of topsoil—about 7 inches deep. From this layer comes our food. Of 200 million square miles of the earth's surface, about one third is land. Less than half of the earth's soils are suitable for crop production.—From "Our Land."

Digs Posthole in 19 Seconds



A cone clutch control that increases the speed of digging postholes is an outstanding feature of the new Winpower posthole digger now being manufactured by the Winpower Manufacturing Company, of Newton, Ia. It operates on the power take-off and is mounted on the rear of the tractor so the operator has full control over the unit without leaving the driver's seat. Only one control is necessary to operate the cone clutch. The new digger will dig a posthole 26 inches deep in 19 seconds. It also is useful in many other jobs.

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Develops 6 H. P.
Weighs 56 Pounds
The Salsbury "600"
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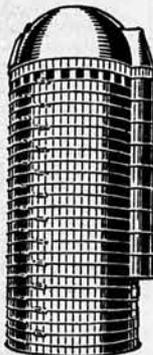
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**Flying
Farmers**

KANSAS Flying Farmer Club membership is growing larger. With 3 new members the total now is 179. Recent additions are LeRoy Chance and Tom Boles, both of Liberal, and Ralph Spangler, Mayfield. The largest state Flying Farmer Club is getting larger.

Here is a story that has been making the rounds in Northwest Kansas. It is a good one, so we will repeat it as it was told to us by Bill Wegener, Norton.

Early this year Al Dryden, Oberlin, and Howard Benton, Norcat, flew to Wichita to pick up a new Cessna. Mr. Dryden is the dealer at Oberlin and Mr. Benton is a Flying Farmer, of Norcat.

They plotted the trip back to Oberlin, agreeing on a true course of 320 degrees. After taking off, Mr. Dryden set the course for home.

After flying for several hours, they decided the country did not seem familiar. The sun was getting low and the gas supply was, too. The only thing to do was to get on the ground and find out how much farther they had to go before reaching Oberlin.

The 2 planes separated. Howard Benton landed on an army field. An army officer greeted him something like this: "What are you doing here?"

Howard replied, "Well, it's like this: The sun is getting low, my gas is low and I'm lost. What would you do?"

Everyone seemed to be in agreement that in a situation like that the best thing to do was to get down on the ground, somewhere. They put his plane in a hangar and fixed him up for the night. Fortunately, Mr. Benton found he and an army man had some mutual friends and the conversation rolled smoothly.

In the meantime, Al Dryden had put his plane down near a small town. He was greeted by a young colored lad. Al asked him the name of the town. After hearing the name, Al was considerably confused. "I don't recall hearing of a town like that in Kansas," he replied.

The young fellow put him straight. "You're not in Kansas, mister, this is Texas."

Instead of flying 320 degrees, they had mistakenly set a course of 230 degrees, which put them down in the Lone Star state.

What an embarrassing situation. But, after it was all over, both men agreed it was a wonderful experience.

The little town where Mr. Dryden landed got out the brass band for him. They treated him like royalty. At the same time, Howard Benton was having a fine time with the army.

Both men called their wives, informing them they would not be home for the evening. Wives of Flying Farmers become accustomed to things like that. After Mrs. Benton and Mrs. Dryden had talked on the phone, they were able to get the 2 men together. Both of them spent the night at the army base and flew back to Oberlin the following day.

The men received both newspaper and radio publicity on their flight. They expected to be in for a lot of kidding. They were. But it was worth it. Mr. Dryden figures he got a thousand dollars worth of advertising out of a 90-degree mistake. On top of that, they had a lot of fun.

Johnson claims to be the air capital of Kansas. But, from the way things are going, they soon will be hard pressed by Hiawatha, in the northeast corner of the state. Flying is more a new thing up there, but 4 customers of Ted's Flying Service have received deliveries of Funk airplanes. It is a Kansas-built plane.

The best way to get baby chicks is by air. Anyway, Bill Wegener, Norton, thinks so. Late in February he flew to Coombs Hatchery at Bentley to get 500 Hy-Line chicks. The chicks were 3 hours en route from the hatchery to destination. It eliminates dangers of exposure to colds and diseases, Mr. Wegener says. By mail it would have taken 3 days, by car at least 8 hours. He was the first to land in an alfalfa field near the hatchery to pick up baby chicks.

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Long-Range Program Later

(Continued from Page 6)

eradication is to be carried on during the succeeding 12 months, the United States government be prepared to increase its rate of expenditures, the amount of such increase to be dependent upon the total expenditures necessary for the period July 1, 1948, to June 30, 1948."

Senator Clyde M. Reed of Kansas got the House-approved appropriation for the 3 months thru the Senate by unanimous consent, between "blasts" in the Senate debate over the confirmation of David E. Lilienthal.

On the Senate calendar waiting action are 2 Senate and 2 House bills:

H. R. 597, an act to empower the Secretary of Agriculture to protect agriculture, horticulture, livestock, by prohibiting the importation of garbage from products arising outside the United States, brought to the borders or into United States waters by ship, railroads, planes or other carriers.

H. R. 2102, to provide a 6 months' extension and final liquidation of the farm (including imported) labor supply program. The House bill would end and liquidate on December 31, 1947; the Senate committee amended to end the program December 31, give the Extension Service of the Department of Agriculture until January 31, 1948, to liquidate.

S. 669, to provide for payment of a bonus of 30 cents a bushel on wheat and corn produced and sold between January 1, 1945, and April 18, 1946. This is to "remunerate" those who sold their wheat and corn instead of holding it; those who sold to the CCC between December, 1945, and April 18, 1946, got a bonus of 30 cents above the ceiling. An OPA press release had promised there would be no increase in price from December until June 30. A House bill by Hope of Kansas would pay the bonus only to those who sold between January 1 and April 18, 1946. It has not been acted upon by the committee. Chances of any such bill becoming law are very slight.

S. 350, a bill to continue the Commodity Credit Corporation until June 30, 1949. The present CCC act expires June 30, 1947. Department and Farm Bureau want the CCC made a permanent agency, with a federal charter, but there is considerable opposition from other quarters. In the House, the companion bill is bogged down from a jurisdictional dispute as to whether the Committee on Agriculture or the

Committee on Banking and Currency shall handle the legislation.

In the House just one farm bill has got thru committee and is on the calendar for action. That is H. J. Res. 158, a resolution to authorize the Secretary of Agriculture to continue the domestic wool-buying program. The CCC has been buying domestic wool at around 120 per cent of parity. By act of Congress, the CCC is barred from selling at less than parity, with the result that the CCC now has in storage practically a full year's clip, and woolen textile manufacturers are using almost entirely wool from the British dominions. A heavy battle is on in the Senate committee over the wool-buying program. Secretary of Agriculture Anderson has announced the CCC will stop buying April 15, unless directed to continue by Congress.

The global conflict shaping up between the United States and Soviet Russia for control of Europe, particularly the Mediterranean and Mid-East, and the world shortage of breadstuffs apparently assure that wheat prices will remain high thru next year, without government supports. And that will tend to support prices of other grains, and likely livestock.

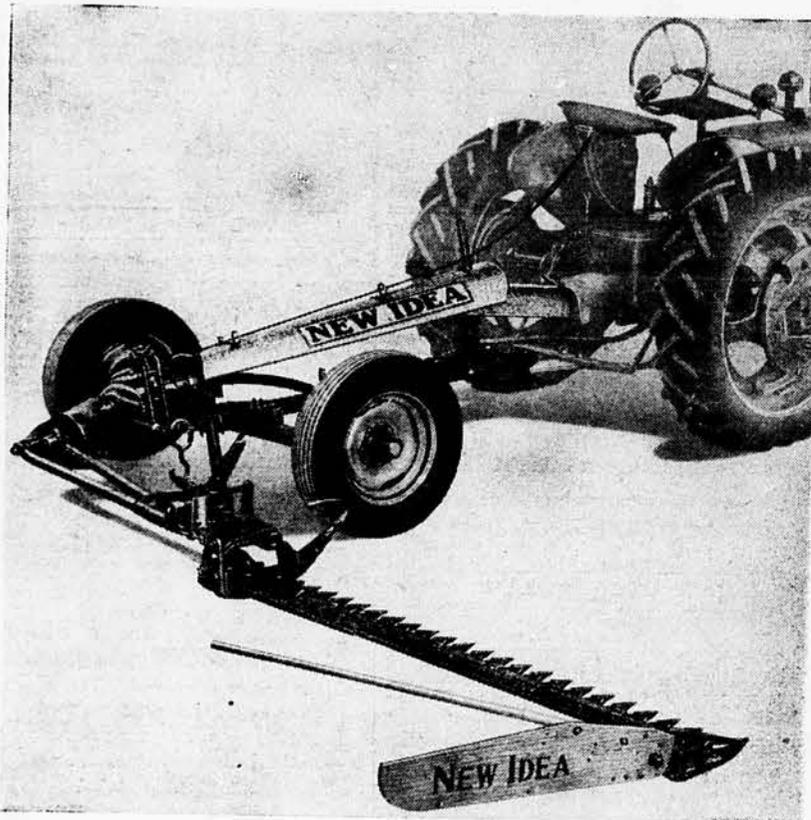
Governments at Washington and Moscow are determining policies in the field of international relations, without paying much attention—except lip service—to the United Nations Organization.

President Truman's request that Congress give him 400 million dollars to use in Greece and Turkey to bolster up the governments and military forces of these 2 nations is getting more attention than action.

Export controls over shipment of grains, rice, sugar, molasses, sirups, meats, dairy products and grain and sugar products, at least, for another full year. Administration wants import controls also on fertilizers, fats and oils, meats, dairy products, peas, beans and canned fish. Congress is considered certain to approve the export controls, but a bitter fight is in prospect over import controls.

Government plans to sell potatoes in the domestic market below support-price levels, if its support program results in piling up too many potatoes in government hands.

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FARMS—KANSAS

80 Acres—1 mile high school, valley land, alfalfa, 1/2 in cultivation, 5 rooms, barn 60x80, henhouses, well and windmill, butane and electricity, possession, \$90 per acre. T. B. Godsey, Emporia, Kansas.

Investigate the Opportunities of Crowley County, Colorado! Choice farm lands available in this rich irrigated section. Pre-war prices and attractive terms. Nice homes, electricity, good roads, good schools, A-1 transportation facilities. Ideal climate. Write for illustrated folder. Van Schaack Land Company, 724 17 St., Denver, Colorado.

477 Acres 95% tillable, lies well, third 125 up-land wheat, 50 creek bottom wheat and two fifth 150 corn goes. 8-room house, electric poles set, 2 barns, 4-room tenant house. \$44.03 acre. Otto Huffman, Paola, Kan.

140-Acre Farm. 8-Rm modern house, large barn, silo. Other outbuildings. Good repair. 4 1/2 miles Ft. Scott, Kansas. Highway 7. \$80 acre. W. F. Malone, Hammond, Kansas.

FARMS—MISCELLANEOUS

It's Spring Again—in the exciting pages of United's new free Spring catalog of up-to-the-minute bargains! Farms, ranches, orchards, summer homes, water frontage, business opportunities—over 100 pages with many photographs, from the northern dairy section to the famous Ozarks, from the Midwest corn belt to glamorous California, 18 states. Write today for your free copy! United Farm Agency, 428 BMA Bldg., Kansas City 8, Missouri.

Strout's Green Farm Catalog. Money-making farms and country businesses—over 2500 bargains. 31 states. Coast to Coast. Mailed Free. Tell us what you want. Where? Price? Terms? We will try to save your Time and Money. Strout Realty, 20 West 9th St., Kansas City 6, Missouri.

960 Acres with 400 acres wheat; 1/4 th goes. Located eastern Colorado; rolling, unimproved, \$18.00 acre. \$2,500 down. Balance crop payments. Mack, Box 1158, Wichita, Kan.

320 Acres Elbert County, Colorado. Fair improvements. On US Highway. Smooth land; 195 acres under cultivation. Price \$11,200. Louis Miller, Frankfort, Indiana.

1050 Acres \$37,500; 920 Acres, \$70 per acre; 970 acres \$50 acre. Stein-Hart Land Co., 414 Braniff Bldg., Oklahoma City, Oklahoma.

AUCTIONEERS

Frank C. Mills, Auctioneer
Alden, Kansas

Ross B. Schaulis, Auctioneer
Purebred Livestock, Real Estate and Farm Sales. Ask those for whom I have sold.
CLAY CENTER, KANSAS

SHEEP

14 REG. SHOW EWES FOR SALE

Lambing now. Also eleven yearling ewes and a Hamilton stud ram. These are our show flock of deep, thick, short-legged ewes and we are selling out.

WESLEY WALKER & SON, Fowler, Kan.

Dual-Purpose CATTLE

Annual Spring Sale Iowa-Nebraska Breeders Reg. Milking Shorthorns Council Bluffs, Iowa Wednesday, April 30

60 Head—25 bulls from baby calves to serviceable ages; 40 females including many good heifers and heifer calves. A few Polled Milking Shorthorns, both sexes. Offering Tb. and Bang's tested. Write for catalogs to

H. C. McKELVIE, Sales Mgr.
Council Bluffs, Iowa



Ayrshires at Auction

Dispersal of the herd of the late C. L. White of Arlington, Kan.

Sale Starts at 1 o'clock, Fairgrounds at Hutchinson, Kan., Tuesday, April 15

50 Head Registered Cows, Bred Heifers, Open Heifers, Heifer Calves and 2 Bulls

The list includes daughters of the following bulls:

Sycamore Grand Knight (he by Peshurst Advancer).

Woodhull Sunny Tom, by Sycamore Jim Approved and out of Woodhull Tallulah, Excellent and Approved. Tom has 15 daughters that average 10,066 lbs. 4.1% milk 412 lbs. fat (3 of these are in the sale).

Woodhull Royal Swank, by Willowhaugh Swanky Royal Sire of 8 daughters that avg. 9,796 lbs. 4.05% milk and 397 lbs. fat. He is out of Woodhull Tallulah, Excellent and Approved.

Woodhull Sir Dick, (this two year old bull sells) by Whitpain King Arthur, a son of Peshurst Last Man, Approved. Out of Woodhull Sunny Diane, Excellent, daughter of Sycamore Jim, Approved. Diane made 13,732 lbs. 4.43% milk and 609 lbs. fat.

Woodhull Rare Jim, Approved for both type and production is represented by two yearling daughters, out of Sunny Tom dams with good records.

Many of the cows and heifers are bred to Woodhull Royal Swank and Woodhull Sir Dick.

G. Fred Williams, Rt. 2, Hutchinson, Kansas

Auctioneers: Chas. Davenport and F. C. Mills.
Jesse Johnson and Mike Wilson with Kansas Farmer.

CERTIFIED HYBRIDS

Plant with satisfaction, harvest with pride, K 2234 and K 2275, top white hybrids. U S 13, Ill. 200, K 1583 and K 1585, proven yellow hybrids.

Write for our special prices. A few dealers wanted.

Certified Blackhull Kafir and Atlas.

Oberle Farms, Carbondale, Kansas

THE NEW JEWETT 421 and Kansas Certified Hybrids

U. S. 13—K-1585—K-2234

Certified Dunfield Soybeans
Our seed guaranteed to be as good as any you can buy.
Special price on 5 bushel orders, freight prepaid. Prompt shipments.

SEWELL HYBRID CORN CO.
Sabetha, Kansas.

CERTIFIED HYBRIDS

Plant Them for Higher Yields

K 1585, Ill. 200, K 2234 and K 2275. The new white with smaller cob, faster drying and easier husking. Write for descriptive folder and price or see my agent in your locality.

H. F. ROEPKE, Manhattan, Kan.

Certified Hybrids

Adapted to Kansas Weather
K 1583, K 1585 yellow
K 2234, K 2275 white
Write for descriptive folder and prices.
HARRIS HOUSTON, Potwin, Kan.

SEED CORN

Home Grown Certified Hybrids
HAROLD STAADT SEED FARM
Ottawa, Kansas.

Alfalfa Seed \$20.40

Hardy Re-cleaned
60 lbs., track Concordia, Kansas. Return seed if not satisfied. Write for samples, prices, other seeds.
JACK BOWMAN, Box 368, Concordia, Kan.

Plant Certified Wheeler Sudan for pasture low in Prussic acid. 92% germination, \$15 per cwt. Atlas sorgo, not certified because of 66% germination, \$10 per cwt. Walter Peirce, Rt. 2, Hutchinson, Kansas.

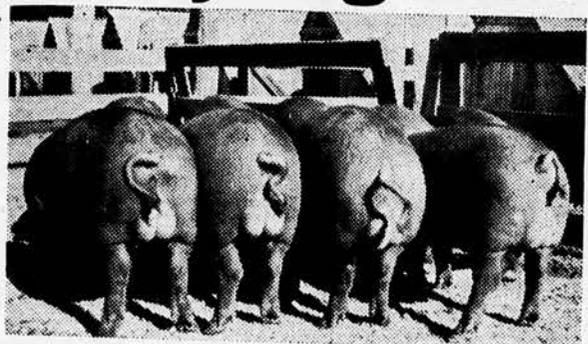
Certified Atlas Sorgo. \$16.00 per 100 sacked. Germination 80, Purity 99.36. C. J. Fear, Bala, Kansas.

Atlas Sorgo and Blackhull Kafir seed for sale. Rolland Klaassen, Whitewater, Kansas.

Miller's Duroc Quality Pig Sale

on farm in comfortable sale pavilion

Alma, Kan.
Saturday,
April 12



50 FALL PIGS—tops from the best lot of fall pigs ever on the farm.

25 Boars with quality and breeding, good enough to head any farmer's or breeder's herd.

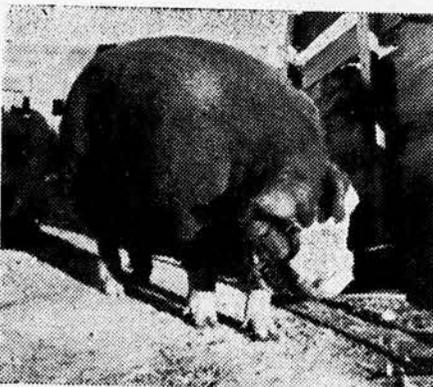
25 Open Gilts—the cream of the crop and real herd sow foundation prospects.

Mostly sired by Knockout and some extra choice ones by Lo-Down Fancy and out of sows descended from boars that have proven themselves in our herd over the years. For catalog address

CLARENCE MILLER, Owner, Alma, Kan.

Auct. Bert Powell. Jesse R. Johnson and Mike Wilson with Kansas Farmer.

Elmo Valley Poland Production Sale



GENERAL IKE

On farm 2 miles north of Elmo and 16 miles south of

Abilene, Kan.
Wednesday, April 16

40 PIGS of last September and October farrow. The big litter, deep side, wide ham and more pounds for given amount of corn kind.

20 Boars, strictly tops, good enough to head any breeder's herd.

20 Gilts, bred right and fed right for foundation sows.

Featuring the blood of the 1100-pound General Ike and All Mid-West (great son of Atomic Bomb, dam daughter of Mid-West). Offering weighing 250 to 300 pounds, out of 800-pound sows.

(When better big Polands are bred Hartmans will breed them.)

Write for catalog to

J. J. Hartman & Son, Elmo (Dickinson Co.), Kan.

Auctioneer—Harve Duncan. Jesse R. Johnson with Kansas Farmer.

MAMMOTH JACKS

Owing to poor health, we are closing out our Jack business. Now is the time to get yours at a bargain.
WATTS BROS., LECOMPTON, KANSAS.
14 Miles East of Topeka.

BERT POWELL

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

Sunset Farms Hereford Production Sale

at the farm 3 miles from Garden Plain
Tuesday, May 6



Sufficiency 120th included in the sale.

65 Head sired by or bred to our WHR herd bulls, WHR Sufficiency and WVHR Alton Domino 2nd, a great son of Worthy Domino 44th.

25 Bulls—14 past yearlings, remainder 7 to 8 months old, sired by above bulls.

20 Bred Cows, all under 5 years old (including 17 uniform type daughters of Pride's Gomez 2350226, near descendants of Beau President.

14 Yearling Heifers by the herd bulls.

10 Heifers, 7 to 8 months old.

Everything Tb. and Bang's tested.

The first Herefords purchased by the Lee's in 1916 included a bull bred by Gudgell & Simpson. Descendants of this bull will go in this sale. Jess.

For catalog address

J. H. & F. G. Lee, Garden Plain (Sedgwick Co.) Kan.

A. W. Thompson, Auctioneer. Jesse R. Johnson and Mike Wilson with Kansas Farmer.

Northwest Kansas Hereford Association's 18th Sale and Show



Friday, April 18

90 Head selected from 33 leading herds of this great Hereford territory.

64 Bulls—43 ready for hard service.

25 Females comprising cows, and bred and open heifers.

This is the first Hereford association to be organized in Kansas, and its members know the advantage of showing and selling their best in their annual sales. No better bloodlines can be found in the herd books. For catalog write

H. A. ROGERS, Sale Mgr.
Atwood, Kansas

Auctioneer: Freddie Chandler. Mike Wilson with Kansas Farmer.

KANSAS POLAND CHINA BREEDERS' ASSOCIATION BOAR AND GILT SALE

FAIR GROUNDS
Topeka, Kansas, Tuesday, April 22

40 Head, tops selected from some of the leading Kansas herds. 18 Serviceable Boars—Popular bloodlines. 22 Gilts—A few bred, balance open. Immune and Bang's tested.

Consignors

- | | |
|--------------------------------|---------------------------------|
| Ray Wilmath Jr., Grenola | Gordon McLin & Son, Silver Lake |
| Paul Davidson, Simpson | Herbert Rindt, Herington |
| Elmer D. Hofmann, North Topeka | C. R. Rowe & Son, Scranton |
| Herbert Schraeder, Peabody | A. L. Wiswell & Son, Olathe |
| Ray Saylor & Sons, Manhattan | Albert Morgan, Alta Vista |

For Catalog write GORDON McLIN, Silver Lake, Kansas
Auctioneers: Mike Wilson, Chas. Kirkwood, Jesse R. Johnson with Kansas Farmer.

HOGS

Try Missouri Durocs

The type demanded by breeder, farmer, packer, feeder and they give a good account of themselves in the show ring.

They Sell April 10

in the
Popham Brothers Sale
in the sales pavilion at

Chillicothe, Mo.

(Chillicothe is 75 miles east of St. Joseph, Mo., on highway 36)

40 choice selected fall boars and gilts.

15 Top Boars—25 Outstanding Fall Gilts.

This offering is sired by Double Cherry King and Golden King. Also a few pigs out of the Double Cherry King show gilts which won last summer at the leading shows. When you buy Popham Durocs you buy performance. Come and see these Durocs and you will want one or more of them. Our Durocs have been "Top Sellers" in other sales. For sale catalog write at once to
Popham Brothers, Chillicothe, Mo.
Auctioneers—Bert Powell, Frank Hoyt, Donald Mendenhall, Donald Bowman with Kansas Farmer.

Seamans' Production Bred Durocs

Fall pigs now ready to go. The Boars are all out of P. R. Litters, 4 being out of 5th P. R. sow in U. S. '46. Out of Orion Improver or Blue Wyaner Boy. Priced right. Will weigh 250 at 6 months.

B. M. SEAMAN & SON, Wilmore, Kansas

DUROC BOARS FOR SALE

Four outstanding Proud Cherry Col. fall boars, litter mates to 2nd prize winner at North Central Kansas Duroc sale. For prices write.
HANSEN BROS., Shady Brook Farms, Rt. 1, Concordia, Kansas

OFFERING DUROC FALL PIGS

Out of Victory Miss, record breaking, top producing FR sow of the breed and nation in 1945. Farmers prices while they last.
LON DEAN CROSSON, Minneapolis, Kansas

DUROC BOARS ALL AGES

By Red Star and Fancy Cardinal. Choice gilts bred to Top Crown by Crown Prince, Illinois Champion boar. Fall pigs by Top Crown and Orion Reconstruction.
B. M. HOOK & SON, SILVER LAKE, KAN.

TOP QUALITY DUROCS

Fall boars and gilts. Show winners. Priced reasonable. **WILLARD H. WALDO, DeWitt, Neb.**

Offering Duroc Fall Boars

Best of breeding and conformation. Registered and Immuned. Shipped on approval. Write for full particulars.
WILLIS HUSTON, AMERICUS, KANSAS

SHEPHERD'S SUPERIOR DUROCS
All bred gilts sold until June and later farrowing bred to Lo. Talkmaster and Super Spot Light. Fall pigs by Proud Cherry Orion and Uneeda Broadway. Double Immuned. Registered. Kansas' oldest herd.
G. M. SHEPHERD, LYONS, KANSAS

REGISTERED HAMPSHIRE FALL BOARS

Best approved Hampshire type backed by generations of accepted bloodlines. Extra heavy bodied and short legged, weighing from 150 to 225, last September and October farrow. 50 head to choose from. Priced at \$100 to \$150. Shipped on approval. Returned at our expense if not satisfied. Fully guaranteed.
SUNSHINE FARM, Mr. and Mrs. Warren Ploeger, Morrill, Kansas.

HAMPSHIRE Fall Boars and Gilts

Outstanding bloodlines. Immune. Priced reasonably.
A. A. CARLSON & SONS, GYPSUM, KANSAS.

REG. HAMPSHIRE HOGS

Now offering choice September boar pigs. Various bloodlines. Immune.
R. E. BERGSTEN & SONS, Randolph, Kansas.

HAMPSHIRE FALL BOARS

The naturally thick kind, registered and vaccinated. **C. E. McCLURE, REPUBLIC, KANSAS.**

ETHYLEDAL FARM Herd Sires
BRIGHT GLORY SPOTLITE SUPREME SPOTLITE JR.
PRODUCTION 100 fall pigs, boars and gilts, ready for new homes.
HAMPSHIRES Dale Scheel, Emporia, Kan.

KONKEL OFFERS SPOTTED POLANDS

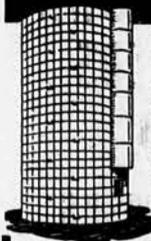
Bred sows and gilts sired by the 1945 Grand Champion boar and bred to Buster Brown. Also fall pigs. The low set, wide kind by above sire. Buster Brown does it.
DALE KONKEL, HAVILAND, KANSAS.

REG. SPOTTED POLANDS

Choice fall boars and gilts. Sired by a son of Counter Sign. Short noses, broad backs, deep sides and extra heavy boned. Immuned. Shipped on approval. Spring pigs later on.
W. F. WELLES, DUNLAP, KANSAS

HEREFORD HOGS Expressed C. O. D., subject to your approval. High-winning here National show. Bred gilts. Boars. Unrelated pigs. Circular.
VALENTINE FARMS, PEORIA, ILL.

CONCRETE STAVE SILOS



We are now taking orders for immediate erection of Lindsey made silos. A name known in silos for over a quarter of a century. Built of finest concrete staves, reinforced with steel. Let experience build you a good silo.

Write for Free Information Today!

GRAIN BINS

CONCRETE STAVE WATERPROOF

Don't take a chance of piling wheat on the ground, we have concrete stave GRAIN BINS for immediate erection. Write for Free information.

CONCRETE STAVE SILO CO.
Box 264 Topeka, Kan.

STANDARDS Multi-Perfected HYBRIDS
Champion Record Yielding Varieties
Tailor-Made for Your Exact Locality, Climate and Soil Conditions.
ASK YOUR STANDARD'S DEALER
STANDARD SEED CO.

HOGS

Bauers' Poland China Fall Boars

Best in quality at farmer prices. Featuring the breeding of Midwest considered the breed's "Greatest Herd Boar." Fall gilts sell either open or bred for September farrow to be taken in June.

BAUER BROS., GLADSTONE, NEBRASKA

Poland Boars and Gilts

September and October farrow, sired by Big Strike, sire of Leader Strike and out of State Fair and Lo-Set bred sows. Short legged and heavy bodied. Immuned. See our consignment at the Topeka State Sale, April 22.
HERBERT RENDT, Herington, Kansas
Phone Woodbine 732

Extra Choice Polands Offered

Fall boars and gilts sired by Man-of-War and out of our champion sows. Registered and immuned.

MALONE BROS., RAYMOND, KANSAS

Beef CATTLE

Watch for the
Southeast Kansas Angus Sale Advertising
in next issue of

Kansas Farmer Big Show and Sale
Ottawa, Kansas
Friday, May 2

Kenneth Cunningham, Sale Mgr.
Greeley, Kansas

Last Call for

Johnston Brothers Aberdeen-Angus Sale
At farm near
Belton, Mo., April 14

Selling 5 bulls and 70 females representing the most popular families of this popular beef breed. They are sired by and the females bred to choice bulls with the best of bloodlines.

For sale catalog and hotel reservations write to office of Roy Johnston, Belton, Mo.
JOHNSTON BROTHERS, Owners
Belton, Mo.

Reg. Hereford Bulls and Heifers

Several Yearling bulls for sale—age 12 to 15 months. Sired by Intense Domino 68th and Blocky Domino Jr. Also offering the 4-year-old Blocky Domino 4th by W.H.E. Blocky Domino 42nd. The 42nd was used in the TO Ranch herd for 5 years. 15 Heifers—age 12 to 15 months, same breeding as the bulls. Farm 4 miles north. Inquire of
FRANK NUG & SONS, SCRANTON, KAN.

Beef CATTLE

Laflin's Registered Aberdeen-Angus Cattle
Selling at auction at farm February 18, 1947. 15 Registered Angus Heifers and 5 Registered Bulls.
L. E. LAFLIN, Crab Orchard, Nebraska.

FICKEN ABERDEEN-ANGUS
Yearling bulls sired by Bell Boy H. P. by Bell Boy A. and Applewood Bandolier 114th, son of Applewood Bandolier 3rd. Write
HOWARD L. FICKEN, BISON, KANSAS

Top Quality Top Breeding Herefords
Good Hereford herd bull prospects. Cows and bred and open heifers, featuring the blood of Beau Zento 32d and WHR Helmsman 94th.
WALNUT HILL HEREFORD RANCH
Great Bend, Kansas

FOR SALE REGISTERED POLLED HEREFORD BULLS
Serviceable age. Prince Domino and Pawnee Rollo breeding.
WALBERT J. RAVENSTEIN
Belmont, Kansas

REG. HEREFORD HEIFER
Two years old and bred to our W.H.R. bull. Brilliant Onward. Her Sire—Yankee Domino.
RAY RUSK & SON, WELLINGTON, KANSAS.

Reg. Polled Hereford Bulls
10 to 14 months old. Worthmore Domino breeding.
CLAYTON RIFFEL & SONS, Hope, Kansas

OFFERING POLLED SHORTHORN CALVES
The best we have ever grown. Bulls and heifers. Excellent heads, straight lines and good bone. Mostly reds, few roans. All by Royal Robin 2-D-X208220.
HARRY BIRD & SONS, Albert, Kansas

Five Shorthorn Heifers
See my consignment of five young heifers to the
Nebraska Shorthorn Breeders Sale
Fairbury, Neb., April 17
They are bred to the dark red 2,000-lb. Fascinator's Pride X, and two dark red bulls, 14 months old.
MARTIN CORLISS, Hebron, Neb.

LACYS' SCOTCH SHORTHORNS
Several good bulls ready for service. Roans and reds sired by Augusta's Prince by the Perth Supreme Champion, Calrossie Prince Peter. Also unrelated heifers, bred and open.
E. C. LACY and GLENN E. LACY & SON,
Miltonvale, Kansas

Special Consignment Sale of Shorthorn Cattle Hutchinson, Kansas Wednesday, April 16
Complete dispersal of the Frank Leslie, Sterling, Kansas herd. Other consignors: White Bros., Arlington; J. C. Banbury, Plevna; Frank Mills, Alden; W. A. Love, Partridge; Geist Bros., Plevna; John Reese, Langdon; McIlrath Bros., Kingman and others. A great lot of bulls and females, carrying the breeding of such sires as Augusta Clipper, Proud Harvester, Melita Belle, A. L. Rambler, etc. Bulls, cows with calves and heifers. Sale starts at 12:30 P. M.
Central Livestock Sales Company,
C. L. Davenport, Mgr.
Auctioneers: Cantwell, Walsten, Mills

Reg. Guernsey Heifer Dispersal Sale
on farm 4 miles northwest of
Newton, Kansas, Thursday, April 17
45 HEAD featuring the blood of the great sire Meadow Lodge King's Laddie (Grand Champion, Kansas State Fair, 1946), and his sire, Langwater King of the Meads (the \$12,000 bull).
8 Cows in milk or to freshen soon with D. H. I. A. records up to 597 fat and milk up to 55 lbs.
32 bred and open heifers of unusual quality.
5 Bulls—one three-year old, the others calves out of our best cows.
Tb. and Bang's tested. Calfhood vaccinated. Sale under cover starting at 12:00. Lunch on grounds. For catalog address
E. D. HERSHBERGER, Owner, Newton, Kansas.
Auctioneers: Boyd Newcom, Chas. Cole, Roy Hand. Jesse R. Johnson with Kansas Farmer

O'Bryan Ranch Hampshire Sale
Hiattville, Kansas, April 19
Selling 100 Bred Gilts to farrow in April and May. 100 of our top quality Fall Gilts. 25 choice Fall Boars.

Dairy CATTLE

For 50-Ton Cows
Ayrshires are noted for life-time records of 100,000 lbs. 4% milk
Write for literature and list of breeders near you with stock for sale
Ayrshire Breeders' Association
260 Centre St., Brandon, Vt.
RAISE AYRSHIRES

Fall Sales Are Now Over PHILLIPS OFFER SERVICEABLE AGE
Holstein bulls sired by Great Mureury Prince, whose dam has a record of 19,841 lbs. milk and 682.5 fat made as a five year old. Also younger bulls sired by Carnation Mad Cap Marshall, a son of Gov. of Carnation and out of Billy daughters with records up to 625.5 fat.
K. W. PHILLIPS & SONS
MANHATTAN, KANSAS.
Rt. 4.

REG. GUERNSEY BULLS
High Production. Correct Type. Popular Bloodlines.
Ransom Farm, Homewood, (Franklin Co.), Kan.

Sunnymede Farm
KING BESSIE JEMIMA BOAST
Senior Sire
PABST BURKE LAD STAR
Junior Sire
NOW AVAILABLE
"KING BESSIE" and "BURKE" Sons
Herd now on 17th consecutive year of Holstein-Friesian Improvement Test.
C. L. E. EDWARDS, TOPEKA, KANSAS

Smoky Valley Holsteins
Carnation Countryman in Service. Bull calves for sale.
W. G. BIRCHER & SONS
ELLSWORTH, KANSAS

MORE OF EVERYTHING
More milk, more total butterfat, more true Vitamin A per unit of fat give Holsteins top place. Also, they have greater food capacity, allowing consumption of large amounts of home-grown roughages... And their calves are "born to live," weighing more, to bring higher prices for veal, or to grow into stronger herd replacements. More of everything!
HOLSTEIN-FRIESIAN ASSOCIATION 7 OF AMERICA • Brattleboro, Vermont • Box 1038

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

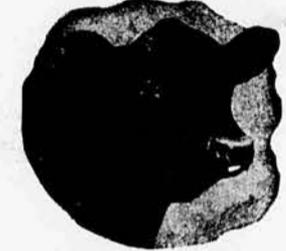
Jersey Cows for Sale at Private Treaty

18 head of high quality, good producing Jersey cows. All good young ages. Mostly registered. This entire offering is in production at the present time.
ALEX CROWL, RFD 1
Manhattan, Kansas

RELIABLE ADVERTISERS ONLY
are accepted
in Kansas Farmer

Riverside Stock Farm Phillipsburg, Kan.

Sale of Registered Aberdeen-Angus Breeding Cattle
Monday, April 21
1 P. M., Phillipsburg Sale Pavilion



10 Bulls and 40 Females

Including several cows with calves at foot. An opportunity for Angus breeders, 4-H club members and farmers. To secure cattle of the popular blood lines, Bandolier, Eileenmere, Revemere, Blackbird, Sunbeam and Revolution. To supplement our own offering we have selected animals from the good herds of: Guy Caldwell, Harlan; Harry Dannenberg, Gaylord; C. A. Kalbfleisch, Harlan; N. V. Billings, Alton; Joe E. Vague, Bloomington; T. W. Jackson, Phillipsburg, and Vernon Hill, Logan: For catalogs or other information, write

Wayne C. Jackson, Owner, Phillipsburg, Kansas
Mike Wilson for the Kansas Farmer.



Nebraska Shorthorn Breeders' Sale

(just over the line from Kansas)

Fairbury, Nebr., Thursday, April 17
Show 9:30 A. M. Sale 12:30 P. M.

50 HEAD drawn from leading Shorthorn and Polled Shorthorn herds of Nebraska
30 Bulls with high quality and breeding to match.
20 Females—Cows and bred and open heifers, including herd foundation material.

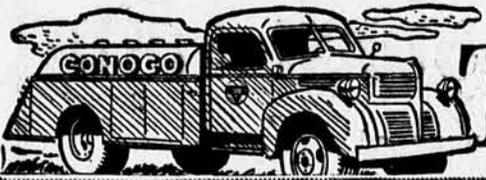
- | | |
|---|---|
| <p>Horned Shorthorn Consignors
Aug. Bogsler, Madison
C. B. Stewart, Panama
E. H. Nemeier, Arapahoe
E. Retzlaff, Walton
Carl Retzlaff, Walton
R. J. Egger, Roca
H. C. Kjar, Lexington
John V. Weichel, Alvo</p> | <p>Polled Shorthorn Consignors
E. L. Burger, Wilber
Hudson Bros., Hubbell
Martin Corliss, Hebron
Reuben Corliss, Hebron
J. Dee Shank, Superior
J. R. Kenner, Hebron
Alexes Spader, Waverly
Leonard Thompson, Arlington
Clyde Miller, Mahaska, Kansas</p> |
|---|---|

For catalog address

Thos. Andrews, Sale Manager, Cambridge, Nebr.
Auctioneer—Jack Halsey. Jesse R. Johnson with Kansas Farmer

RELIABLE ADVERTISERS ONLY are accepted in Kansas Farmer

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WASHINGTON



The Tank Truck



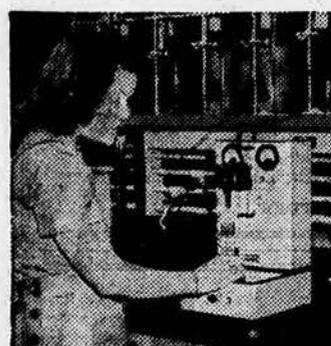
24 Years Without a Breakdown!

That's the record set by George Rust—seen here with Ralph Huber—on his 180-acre farm near Crown Point, Indiana. Mr. Rust purchased his first Conoco products from Ralph's father back in 1922—and has never had a breakdown from faulty lubri-

cation in all that time! Mr. Rust owns two tractors, an International truck, a corn picker, a corn shredder, a binder, a threshing machine, a spraying machine, a hay-baler and a car—and all are 100% on Conoco fuels and lubricants!



From Conoco's Laboratories: Improved Oil!



In the laboratories of Continental Oil Company, Conoco research scientists and engineers work endlessly to develop better fuels and lubricants—and out of those laboratories has come a great motor oil.

It's Conoco Nth motor oil—based on a remarkable ingredient that uses the force of *molecular attraction* to bond lubricant to engine parts. So close is this bond that cylinder walls and other fine-finished surfaces are actually OIL-PLATED!

Because OIL-PLATING can't all drain down to the crankcase—even overnight—working surfaces are protected right around the clock . . . from severe wear in starting "dry," from excessive wear in running, and even from the corrosive wear caused by combustion acids always left when any engine stops!

Ask Your Conoco Agent to show you how Nth motor oil will OIL-PLATE your engine—or ask any of your neighbors who use Nth oil what *they* think of OIL-PLATING and its effect on day-to-day operations. Call Your Conoco Agent soon. There's no obligation. Continental Oil Company

How a 20-YEAR "Partnership" Saves Money!



S. D. Spurlock, of Brownwood, Texas, has bought Conoco products from "Uncle Bob" Parker for 20 years—a "partnership" that has saved a lot of money! Mr. Spurlock writes: "I have never had any bearing trouble or motor breakdowns. Your Nth motor oil stands up better and holds its body longer . . . my old tractor keeps running right along, and without breakdowns I know that I am saving money."

YOUR CONOCO AGENT



Pail Holder for Easier Milking!

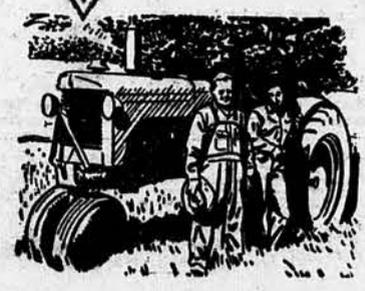


Jay Pfaff of Randolph, Kansas, devised the milk-pail holder seen here, making it from a larger pail cut out with tin shears. With the milk pail held up close, there is less chance of contamination or of tipping the pail.



The sketch above was sent in by Ernest Kondicka from Penelope, Texas. It shows a method of eliminating noise in a trailer hitch.

DOLLARS FOR IDEAS! Ideas are worth money. Send your original ideas to *The Tank Truck* in care of this paper—and get \$5.00 for every one that's printed.



Annie Lee Wheeler to Conduct New FARM KITCHEN



Here's a farm wife we'd like all our readers to meet. She's Mrs. Annie Lee Wheeler, and in addition to helping operate a 560-acre wheat and cattle ranch, she has served as Conoco's Home Economist for 27 years!

In her new column for farm wives, Mrs. Wheeler will publish her favorite recipes—she'd be happy to publish some of yours, too! Mrs. Wheeler will choose what she thinks are the best recipes sent in, test them in Conoco's own kitchens, and award \$5.00 for every recipe selected for publication here. Send your recipes direct to: Mrs. Annie Lee Wheeler, Conoco Cafeteria, Ponca City, Oklahoma.

FARM KITCHEN
\$5.00 for your favorite recipe!

Saves Money Using Better Fuel!

Here's a farmer who has learned how to save a lot of money by spending a *little* extra! He's J. N. Williams, seen here with his son, Everett. Mr. Williams operates four tractors on his 1,400 acres near Chillicothe, Missouri. He writes:

"Have been using Conoco products exclusively for five years and am using Conoco N-Tane gasoline in the tractors instead of cheaper fuels.

By using . . . N-Tane gasoline . . . am able to make a saving in operation costs. In using gasoline there is no pre-heating of the tractor necessary, so that I have the full amount of power at once. In using cheaper fuels they do not burn up cleanly, and go by the rings down into the crankcase, and it is necessary to add oil and also to change the oil more often."